

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 32/2020
ISSUE NO. 32/2020

शुक्रवार
FRIDAY

दिनांक: 07/08/2020
DATE: 07/08/2020

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

7TH AUGUST, 2020

CONTENTS

<i>SUBJECT</i>	<i>PAGE NUMBER</i>
JURISDICTION	: 30014 – 30015
SPECIAL NOTICE	: 30016 – 30017
EARLY PUBLICATION (DELHI)	: 30018 – 30098
EARLY PUBLICATION (MUMBAI)	: 30099 – 30108
EARLY PUBLICATION (CHENNAI)	: 30109 – 30171
EARLY PUBLICATION (KOLKATA)	: 30172
PUBLICATION AFTER 18 MONTHS (DELHI)	: 30173 – 30603
PUBLICATION AFTER 18 MONTHS (MUMBAI)	: 30604 – 30699
PUBLICATION AFTER 18 MONTHS (CHENNAI)	: 30700 – 30895
PUBLICATION AFTER 18 MONTHS (KOLKATA)	: 30896 – 30992
WEEKLY ISSUED FER (DELHI)	: 30993 – 31036
WEEKLY ISSUED FER (MUMBAI)	: 31037 – 31061
WEEKLY ISSUED FER (CHENNAI)	: 31062 – 31108
WEEKLY ISSUED FER (KOLKATA)	: 31109 – 31121
APPLICATION(S) FOR RESTORATION OF LAPSED PATENT(S) [PUBLICATION U/S 61(1) RULE 84(3)][PUBLICATION U/S 61(1) RULE 84(3)](DELHI)	: 31122
PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT(CHENNAI)	: 31123
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (DELHI)	: 31124 – 31145
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (MUMBAI)	: 31146 – 31153
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (CHENNAI)	: 31154 – 31172
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (KOLKATA)	: 31173 – 31182
INTRODUCTION TO DESIGN PUBLICATION	: 31183
REGISTRATION OF DESIGNS	: 31184 - 31218

**THE PATENT OFFICE
KOLKATA, 07/08/2020**

Address of the Patent Offices/Jurisdictions

The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

1	<p>Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: cgpdtm@nic.in</p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in</p> <p>❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</p>
2	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in</p> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli</p>	5	<p>The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in</p> <p>❖ Rest of India</p>
3	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E.mail: delhi-patent@nic.in</p> <p>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.</p>		

Website: www.ipindia.nic.in

www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
कोलकाता, दिनांक 07/08/2020

• कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए हैं:-

<p>1 कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdtm@nic.in</p>	<p>4 पेटेंट कार्यालय, भारत सरकार इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चेन्नई - 600 032. फोन: (91) (44) 2250 2081-84 फ़ैक्स: (91) (44) 2250-2066 ई. मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप</p>
<p>2 पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फ़ैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in ❖ <input type="checkbox"/> गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दावर और नगर हवेली.</p>	<p>5 पेटेंट कार्यालय, भारत सरकार कोलकाता, (प्रधान कार्यालय) बौद्धिक संपदा भवन, सीपी-2, सेक्टर- V, साल्ट लेक सिटी, कोलकाता-700 091, भारत. फोन: (91) (33) 2367 1943/44/45/46/87 फ़ैक्स: /Fax: (91) (33) 2367 1988 ई. मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र</p>
<p>3 पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. फोन: (91) (11) 25300200, 28032253 फ़ैक्स: (91) (11) 28034301, 28034302 ई. मेल: delhi-patent@nic.in हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>	

वेबसाइट: <http://www.ipindia.nic.in>
www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

SPECIAL NOTICE

18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026674 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN EVAPORATIVE AIR COOLER ENABLING COOLING AND HEATING FUNCTIONS

(51) International classification	:F24F0005000000, F02B0029040000, F24F0006040000, A61F0007000000, A47C0021040000	(71)Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Vikas Manchanda
(33) Name of priority country	:NA	2)Sudeshna Sinha
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an evaporative air cooler, said air cooler comprises of: cooling media; heating element; controls for cooling & heating function; blower housing; blower; four way deflection; water level indicator; electric motor; electric pump; swing motor; and other plastic component & main body.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026675 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN AIR COOLER ENABLING OPTIMIZED CONSUMPTION OF WATER AND ELECTRICITY

(51) International classification	:F24F0013200000, F24F0013080000, B60K0011080000, A01G0027000000, A23B0007020000	(71) Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)Vikas Manchanda
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a device for reducing the temperature of the air, said device comprising of: ice chamber; back air inlet grill; left side air inlet grill; right side air inlet grill; horizontal louver adjust knob; water inlet; top panel; electronic control panel; front panel; air outlet grill; water level indicator; water tank; and castor wheels.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026676 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : COOKTOP WITH BOTTOM SPILL TRAY

(51) International classification	:F24C0015100000, F24C0003120000, F24C0003080000, G05G0001080000, F24H0009200000	(71) Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)Vikas Manchanda
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a cooking unit, said unit comprising of: a pan support (1); a burner (2); a drip tray (3); a glass (4); a mixing tube (5); a frame (6); a control panel (7); a control panel sticker (8); a knob (9); a side leg cover (10); pan support grommet (15); and gas valve assembly (16).

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028465 A

(19) INDIA

(22) Date of filing of Application :30/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A FOLDABLE GAS COOKTOP

(51) International classification	:F24C0015100000, E05D0011080000, H05B0003740000, F24C0003080000, F24C0003120000	(71) Name of Applicant : 1)HSIL LIMITED Address of Applicant :HSIL LIMITED Delhi Rohtak Road, Bahadurgarh-124507, Jhajjar, Haryana India Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Nikhil Maheshwari
(33) Name of priority country	:NA	2)Srinjoy Saha
(86) International Application No	:NA	3)Aditya Singh Chauhan
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a cooking unit, said unit comprising of: a pan support (1); a cooktop burner (2); a structure or chassis (3); a friction hinge (4); a cooktop knob (5); a main gas pipe (6); an aluminium pipe (7); a metal base (8); an aesthetic panel (9).

No. of Pages : 20 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811037422 A

(19) INDIA

(22) Date of filing of Application :04/04/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SPACE BASED NOVEL SYSTEM TO DETECT AND ANALYZE THE ORBITAL DEBRIS

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71) Name of Applicant : 1)Lovely Professional University Address of Applicant :Lovely Professional University Jalandhar - Delhi G.T. Road Phagwara Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Sai Ganesh Purini
(33) Name of priority country	:NA	2)Anirudh N. Sharma
(86) International Application No	:NA	3)Rahul Rawat
Filing Date	:NA	4)Sikindar Vatturi
(87) International Publication No	: NA	5)Geetha Ganesan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for detecting and modeling objects in space using LIDAR is disclosed. The method includes transmitting a laser beam to detect at least one object in space. Further, the method includes detecting one or more data related to at least one object. The detection is based upon the principle of reflection of the object in a vacuum. Further, said one or more data related to at least one object obtained from the detection unit is processed. Further, one or more information is determined from the processed data related to at least one object. The one or more information is mapped corresponding to the related at least one object. The method further comprises measuring one or more parameters associated with at least one of the mapped objects and modeling the measurement data related to at least one of the mapped objects.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811038190 A

(19) INDIA

(22) Date of filing of Application :09/10/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A METHOD AND SYSTEM FOR AUTOMATIC WASTE WATER RECOVERY IN A POU RO WATER PURIFIER

(51) International classification	:C02F0001440000, B01D0061020000, C02F0001000000, C02F0001280000, C02F0001420000	(71) Name of Applicant : 1)HSIL LIMITED Address of Applicant :Delhi Rohtak Road Bahadurgarh Jhajjar Haryana Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Nikhil Maheshwari
(33) Name of priority country	:NA	2)Avnish k. Verma
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a Reverse Osmosis based potable water system for water filtration that can provide improved yield of potable water thereby reducing the wastage of water. In an embodiment, the improvement in yield is achieved by providing two or more FRT units that can be configured in such a way that wastage retentate from RO Membrane through a drain control valve by TDS sensor through electronic controller to get an additional yield of potable water and maintain water wastage. The potable water purification system includes means, such as controller for maintaining required drain flow and TDS sensor to sense appropriate TDS level of feed water at different stages, so as to get high yield of pure water and increase the water recovery.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811040635 A

(19) INDIA

(22) Date of filing of Application :19/11/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : APPARATUS AND METHOD FOR THERMAL TREATMENT OF MOVING WEB STRIPS

(51) International classification	:B29C0065000000, B32B0037060000, H01L0021670000, G06F0001200000, B29C0061020000	(71) Name of Applicant : 1)Lohia Corp Limited Address of Applicant :D3/A, Panki Industrial Estate, Kanpur 208 022, Uttar Pradesh India Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Mr. Lohia, Siddharth
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates a hot air circulating chamber with air-flow control system used in manufacture of thermo-plastic products such as monofilament, plastic web strips, narrow film strip, multi-filament. Conventional systems do not allow controlling temperature and air-flow in hot air channel/chamber to achieve uniformity. With the increased production speed and stringent product requirements, improved air-flow uniformity and temperature precision in the hot air oven is necessary. Invention discloses an apparatus (1) provided with air-flow path having provision of number of fans (7), optimisation of heater (6) location and increased number of air-flow regulators (8) having control levers (9). Moving web strips (5) enter apparatus into a hot air channel (4) formed between upper chamber (2) and lower chamber (3). Entry point of moving strips into the hot air channel (4) is the web-strip inlet (5A). After getting heat treated, the moving web strips (5) leave the apparatus through the web strip outlet (5B).

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811048390 A

(19) INDIA

(22) Date of filing of Application :20/12/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : WELD-LESS PAN SUPPORT FOR COOKTOPS/HOBS

(51) International classification	:F24C0015100000, H05B0003740000, H05B0003680000, F24C0003080000, B23K0020240000	(71)Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)VIKAS MANCHANDA
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to the present invention a new concept is involved where a weld-less pan support is employed in the gas cooktop thereby enhancing the aesthetic of the gas cooktop. Said cooktop is provided with single piece sheet metal pan supports that are relatively easy to clean and are less prone to rust. Due to the absence of the welding process, said product is manufactured in an environment friendly manner.

No. of Pages : 15 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911001690 A

(19) INDIA

(22) Date of filing of Application :03/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : OPEN MESH FABRIC, A METHOD OF MAKING IT, AND A BAG MADE FROM IT

(51) International classification	:D03D0015000000, D03D0001000000, D03D0013000000, D03D0001040000, C08J0005180000	(71)Name of Applicant : 1)Lohia Corp Limited Address of Applicant :D-3/A, Panki Industrial Estate, Kanpur 208 022 Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Mr. Lohia, Siddharth
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to producing bags for packing and storing of goods. More particularly, the invention relates to flat or tubular leno weave fabric which is comprised of at least one warp thread (6A) that has one of its strands (6B or 6C) made from bulk yarn as weft and/or at least one of its weft threads (5A) is made from bulk yarn, and a bag made from such fabric. The invention addresses the problem of harshness of the leno weave fabric made from stiff yarn, particularly on perishable goods and other goods that can get damaged by harsh packaging. Woven fabrics typically comprise warp and weft structures that formed using warp and weft threads, respectively. Woven slit film tape fabric typically comprises of two sets of threads arranged in warp structure and weft structure. Threads are typically made of multiple slit film tapes. The fabric of the invention has some bulk yarn introduced in the weaving pattern to make the fabric softer than the conventional fabric. This key aspect of the invention has led to bags that are less harsh on the goods, than bags made from conventional leno fabric made from stiff yarn.

No. of Pages : 34 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911002875 A

(19) INDIA

(22) Date of filing of Application :23/01/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : INTEGRATED PULP MAKING FROM AGRO-WASTE AND OTHER LIGNOCELLULOSIC MASS

(51) International classification	:D21D0001300000, D21C0005000000, D21C0009100000, D21C0009000000, D21D0001200000	(71) Name of Applicant : 1)KRIYA LABS PRIVATE LIMITED Address of Applicant :BH-200, Ground Upper and First Floor, East Shalimar Bagh, New Delhi - 110088, Delhi Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KUMAR Ankur
(33) Name of priority country	:NA	2)PRAJAPAT Kanika
(86) International Application No	:NA	3)DUTTA Pracheer
Filing Date	:NA	4)SAHA Mriganka
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process and apparatus for making pulp, and paper from agro-waste such as rice straw and other lignocellulosic masses in a much greener, economical and scalable manner. The chipped agro-waste is pre-treated in a reactor containing chelating agents and then washed before pulping in hydrogen peroxide and alkaline solution. Thus cooked biomass is refined in a disc refiner to disintegrate fibres thereafter chemicals are washed out and the pulp is thickened. After the washing, bleaching may be done and some other chemicals may be added optionally to enhance the pulp properties like water-proofing, brightness etc. Additionally, the pulp can be blended with chemical pulps or pulp from other materials having bigger fibre length to get different properties. The pulp is then and there converted into paper sheets or molded onto 3D shape of packaging containers, cups, plates etc. using the required machineries.

No. of Pages : 32 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004251 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : RIGID TUBE BODY FOR YARN WINDING

(51) International classification	:A23K0020163000, A61K0039395000, A23K0020147000, G06F0008300000, C10G0003000000	(71)Name of Applicant : 1)Lohia Corp Limited Address of Applicant :D-3/A, Panki Industrial Estate, Kanpur 208 022 Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Mr. LOHIA, Siddharth
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the field of weaving looms for tubular fabric. In particular, the invention relates to the bobbins that are used to wind yarn that is used to make the tubular fabric. The present invention provides durable bobbin tubes of reduced wear, thereby addressing the problem of unacceptably high wear of the aluminium tubes that form the core of the bobbins. In order to achieve the objective, the invention discloses a composite rigid tube (1B) comprising a rigid core tube (1A), and an end cover (5) having a ring (6), characterised in that on the inner surface (2) of said rigid core tube (1A) is provided at least one spoke (4), and that said end cover has at least one protrusion (7) protruding axially from said ring (6), wherein said end cover is push fitted onto each end of said rigid core tube (1A).

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911010384 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : NANOPARTICLES BASED POLYMER GEL COMBINED MASTITIS VACCINE

(51) International classification	:C09J 161/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. SHALINI YADAV
(32) Priority Date	:NA	Address of Applicant :C/O DR. S. K. YADAV,
(33) Name of priority country	:NA	DEPARTMENT OF VETERINARY MICROBIOLOGY,
(86) International Application No	:NA	COLLEGE OF VETERINARY SCIENCES, DUVASU,
Filing Date	:NA	MATHURA UP.-281001, INDIA Uttar Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SHALINI YADAV
Filing Date	:NA	2)SHARAD KUMAR YADAV
(62) Divisional to Application Number	:NA	3)AMIT KUMAR
Filing Date	:NA	4)VINOD KUAMR SINGH

(57) Abstract :

The new formulation is an immunologically active sodium polyacrylate nano particle based polymer gel bound aqueous formulation composition comprising at least one nano particle based polymer gel adjuvant with a buffer system and formalized killed whole cell antigen of Staphylococcus aureus (NCBI, GenBank Accession no; MH092071) and E. coli (NCBI, GenBank Accession no. KY914488), capable of eliciting an immune response in a system.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911017835 A

(19) INDIA

(22) Date of filing of Application :03/05/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : INSTANT CUSTARD MIXTURE COMPOSITION COMPRISING OF JACKFRUIT SEED

(51) International classification	:A23L0009100000, A61K0035745000, A23G0009320000, A23L0033175000, A23C0009154000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)GOYAL, Pranav
(33) Name of priority country	:NA	2)KUMAR, Neeraj
(86) International Application No	:NA	3)GOYAL, Saloni
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to a food product, particularly instant custard mixture composition. Specifically, the present invention provides an instant custard mixture composition comprising of jackfruit seed, corn starch, milk powder and sugar powder or icing sugar and process for manufacturing of the instant custard mixture. The instant custard mixture composition comprising of jackfruit seed of the present invention is rich in protein, fiber and minerals like calcium, potassium and iron and is useful as food supplements for people of different age groups.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911026767 A

(19) INDIA

(22) Date of filing of Application :04/07/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : AIR PURIFIER WITH A WATER FILTER

(51) International classification	:B01D0046000000, B01D0045120000, B08B0005020000, A47L0011400000, B01D0046420000	(71)Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Vikas Manchanda
(33) Name of priority country	:NA	2)Vaibhav Jain
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an air purifier with a water filter or a water assisted pre filter or a water curtain. The air passes through this filter and all the big size dust and dirt particles are trapped and flows down with water. This is very effective to counter polluting agents and traps big size dust & dirt particles which further enhances the life of other filters and reduce the cleaning frequency phenomenally.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911026768 A

(19) INDIA

(22) Date of filing of Application :04/07/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : CHIMNEY OIL COLLECTOR TRAY MOUNTED WITH MAGNET

(51) International classification	:F24C0015200000, F16H0061000000, B01D0003200000, B01D0046100000, B01D0050000000	(71) Name of Applicant : 1)HSIL Limited Address of Applicant :Delhi Rohtak Road, Bahadurgarh 124507, Jhajjar, Haryana Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Vikas Manchanda
(33) Name of priority country	:NA	2)Vaibhav Jain
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a cooker hood with an improved oil collector tray and a method of mounting the tray to the cooker hood. The oil collector tray is mounted to the main body of the exhaust hood by magnetic means. This facilitates the removal and fixing of the tray frequently by the user to clean accumulated oil and thus requires minimum interaction on the part of the user.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911030997 A

(19) INDIA

(22) Date of filing of Application :31/07/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYNERGISTIC PESTICIDAL COMPOSITION

(51) International classification	:A01N0065000000, A01N0059020000, A01N0057160000, A01N0025240000, A01N0043560000	(71) Name of Applicant : 1)WILLOWOOD CHEMICALS PRIVATE LIMITED Address of Applicant :409, Fourth Floor, Salcon Aurum, District Centre, Jasola, New Delhi -110 025, India Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)MUNDHRA PARIKSHIT
(33) Name of priority country	:NA	2)MOHAN JITENDRA
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a synergistic pesticidal composition comprising a methoxyfenozide, emamectin benzoate and a fungicide compound selected from the group comprising difenoconazole, tebuconazole, prothioconazole, pyraclostrobin and thifluzamide.

No. of Pages : 50 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911039213 A

(19) INDIA

(22) Date of filing of Application :27/09/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : A POLYHERBAL COMPOSITION FOR DIABETES

(51) International classification	:A61K0036906600, A61K0036185000, A61K0036470000, A61K0036530000, A61K0036540000	(71)Name of Applicant : 1)Diabport Health Care Private Limited Address of Applicant :128/786 Yblock, Kidwai Nagar, Kanpur 208011, UP, India Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SINGH, Vinay
(33) Name of priority country	:NA	2)WAL, Pranay
(86) International Application No	:NA	3)WAL, Ankita
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention polyherbal composition of an extract of a blend of plants, wherein the plants are: Ocimum sanctum, Aegle marmelos, Emblica officinalis, Terminalia bellirica, Terminalia chebula, Syzgium cumini, Trigonella foenum-graecum, Cinnamomum zeylanicum, Momordica charantia, and Curcuma longa. The polyherbal composition exhibits synergism and has a use as an anti-diabetic, anti-hyperlipidemic, and in treatment of complications related to diabetes. Furthermore, the present also describes a process for the preparation of the polyherbal composition.

No. of Pages : 33 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911041279 A

(19) INDIA

(22) Date of filing of Application :11/10/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS AND SYSTEMS FOR ONLINE TRANSACTIONS USING CONTRACT-DEPENDENT CRYPTOGRAPHIC VALUE TOKENS

(51) International classification	:H04L0009320000, G06Q0020380000, G06Q0030060000, G06Q0020060000, G06Q0020360000	(71) Name of Applicant : 1)CHRISTOPHER CHARLES ANDERSON Address of Applicant :9D, TOWER 10, PARK ISLAND, MA WAN, HONG KONG U.K.
(31) Priority Document No	:NA	(72) Name of Inventor : 1)CHRISTOPHER CHARLES ANDERSON
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for online transactions using cryptographic digital tokens is disclosed. The system includes multiple interconnected transaction servers having corresponding digital ledgers. Each interconnected transaction server may include one or more computer modules to facilitate establishment of a digital contract, generation of a smart contract and a cryptographic digital token corresponding to the digital contract, and storage of the digital contract, the smart contract, and the cryptographic digital token. The computer modules may also facilitate execution of the smart contract and transfer of the cryptographic digital token from a buyer to a seller. The method includes establishing the digital contract, generating the smart contract and the cryptographic digital coin corresponding to the digital contract, and storing the digital contract, the smart contract, and the cryptographic digital coin. The method also includes executing the smart contract and transferring the cryptographic digital coin from the buyer to the seller.

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911041576 A

(19) INDIA

(22) Date of filing of Application :14/10/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : UNDERGROUND WATER LEAKAGE DETECTOR

(51) International classification	:G01M0003240000, G01M0003200000, G21C0017025000, H04N0021610000, G01V0009020000	(71) Name of Applicant : 1)Mithlesh Sharma Address of Applicant :IET Bhaddal, Mianpur Rupnagar Punjab India 140108 Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. Deepak Kumar Goyal
(33) Name of priority country	:NA	2)Mithlesh Sharma
(86) International Application No	:PCT//	3)Dr. Aman Bansal
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a portable, light weight magnetic flux leakage device (100) shown in figure 1 to detect defects in underground pipes. Based on non-destructive testing , the device detects leakage due to cracks, groove corrosion , seam weld defects and mechanical damage in in-service underground water pipes without digging the entire laid pipeline. The device provides a cost effective solution to detect water leakage and hence conserve water. The device is easy to operate and can be put to use even by untrained plumbing professionals. It is easy to fabricate and hence economical to manufacture.

No. of Pages : 18 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911047907 A

(19) INDIA

(22) Date of filing of Application :22/11/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN INTEGRATED PRECAST FOOTPATH SYSTEM

(51) International classification	:E01C0011220000, E03F0005020000, E02D0029120000, E01C0015000000, E01D0019120000	(71) Name of Applicant : 1)Positrons Construction Pvt. Ltd Address of Applicant :U/G/F A-121, Rama Park, Uttam Nagar, New Delhi-110059 Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Sahil Singh Deshwal
(33) Name of priority country	:NA	2)Gaurav Singh
(86) International Application No	:NA	3)Prakash Gupta
Filing Date	:NA	4)Varun Kumar
(87) International Publication No	: NA	5)Himanshu Gauba
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an integrated precast footpath system 100 made from a plurality of pre-fabricated units. Each unit is independently constructed in a factory or workshop, preferably but not limited to, uses steel, alternative Glass fibre reinforced polymer rebars for reinforcement (205, 210 and 215), concrete and the combination thereof as required in the design, further recycled aggregates and sand can also be used easily for its concreting for constructing lightweight structure. The Integrated precast footpath system 100 is a single pre-fabricated unit which is comprised of at least one drainage-maintenance panel 520, a cable-maintenance panel 420 and plurality of ducting modules 105, further can be integrated with any component as required in future.

No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911053148 A

(19) INDIA

(22) Date of filing of Application :20/12/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : DUAL CHEMICAL GRAVITY FEED CHLORINATOR

(51) International classification :C02F0001500000,
A01K0063040000,
B01F0015020000,
B01D0037030000,
A47J0031400000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Sanjiv Kumar

Address of Applicant :60, Sat Kartar Enclave, Chopra Colony,
Basti Sheikh, Jalandhar, 144002 Punjab, India Punjab India

(72)Name of Inventor :

1)Sanjiv Kumar

(57) Abstract :

A device for chlorination of water (Figure-1), specifically a PCB controlled device which can be used to regulate the input of chlorine to the water through a specially designed chlorine dosing anti-siphon device with customizable, predictable and pre-programmable settings and is combination of mechanical and electronic parts such as PCB controller, diaphragm pump, anti-siphon device and an elevated chlorine tank to eliminate vacuum formation. Since the equipment has minimal moving parts, the maintenance cost would amount to almost nothing, while still keeping with the rigorous health and safety standards such as that of WHO and BIS. The advantage of this technology is that the clients can have an accurate and uniform dosing of chlorine. It is useful in industrial as well as domestic purpose.

No. of Pages : 12 No. of Claims : 5

(54) Title of the invention : A SMART REGULATOR FOR A FAN

(51) International classification	:F24F0011300000, H05K0007200000, F24F0011770000, G05D0013660000, G06F0001200000	(71) Name of Applicant : 1)Aayushi Aggarwal Address of Applicant :158, Housing Board Colony, Kalka, Panchkula, Haryana, India - 133302 Haryana India 2)Dr. Sunil K. Singh
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Aayushi Aggarwal
(33) Name of priority country	:NA	2)Dr. Sunil K. Singh
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to smart hybrid electrical/electronic regulator devices that automatically controls the fan speed based on an ambient temperature. The smart regulator comprises: one or more temperature sensors to sense a temperature data of an environment; one or more capacitors; one or more resistors; a multiple relay switch connected with the one or more capacitors and the one or more resistors; a microcontroller arranged to: receive the sensed temperature data from the one or more temperature sensor; and determine optimum speed of the fan based on the received temperature data; calculate an optimum level of the energy required by the fan to run at the determined optimum speed; activate the multiple relay to provide the optimum level of the energy to the fan.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011008366 A

(19) INDIA

(22) Date of filing of Application :27/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN INTEGRATED OIL FILTER ASSEMBLY AND A METHOD FOR OPERATION THEREOF

(51) International classification	:F01M0011030000, F01M0013040000, B01D0029580000, B01D0029600000, F01M0001100000	(71) Name of Applicant : 1)Iqbal Singh Dhanjal Address of Applicant :B-251, Naraina Industrial Area Phase 1, New Delhi, India Delhi India 2)Jagtar Singh Dhanjal 3)Manpreet Kaur
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Iqbal Singh Dhanjal
(33) Name of priority country	:NA	2)Jagtar Singh Dhanjal
(86) International Application No	:NA	3)Manpreet Kaur
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to integrated oil filter assembly (100) coupled to exit of oil pump and entrance of engine of heavy vehicles. The integrated oil filter assembly (100) includes integrated housing (102) including cover plate (114) at top of the integrated housing, wherein the cover plate (114) includes plurality of perforations (302), and outlet hole (304) at a centre to release a filtered oil to the engine; a cylindrical tube (112) including a plurality of apertures (118), a first filtration chamber (104) including a plurality of filter slits (106) vertically arranged and radially coupled to the cylindrical tube (112), a second filtration chamber (108) including a plurality of filter sheets (110) horizontally arranged and axially coupled to the cylindrical tube (112); and a releasing valve (116) coupled to a downstream of the second filtration chamber (108).

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011009200 A

(19) INDIA

(22) Date of filing of Application :04/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SINGLE OPERATION MICROPIPETTE CALIBRATION MECHANISM

(51) International classification	:B01L0003020000, G01N0035100000, G01N0035000000, H01H0071740000, A61B0017170000	(71) Name of Applicant : 1)MICROLIT Address of Applicant :KURSI ROAD, 629, PAKRAMAU, LUCKNOW, UTTAR PRADESH, INDIA, Uttar Pradesh India 2)AADHAR JAIN 3)ATUL JAIN
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)AADHAR JAIN
(33) Name of priority country	:NA	2)ATUL JAIN
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Single Operation Calibration tool for Micropipettes enables user to calibrate the micropipette in a single operation WITHOUT disassembling any component of the pipette OR disengaging the digits from the plunger OR matching calibration markers on a pipette to volume adjustment charts in a user manual. It eliminates the complexity from various pipette calibration procedures. The micropipette according to the present invention comprises a plunger coupled with a calibration nut and a calibration tool mounted for manual movement in a housing to and from a stop to aspirate a fluid into and dispense the fluid from a tip extending from the housing.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011014590 A

(19) INDIA

(22) Date of filing of Application :01/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADAPTABLE MAGNETIZER FOR INLINE INSPECTION

(51) International classification	:G01N0027820000, G01N0027830000, G01N0027870000, G06F0003140000, G01D0018000000	(71) Name of Applicant : 1)VDT PIPELINE INTEGRITY SOLUTIONS PRIVATE LIMITED Address of Applicant :IIM Lucknow Noida Campus B1, Block B, Sector 62, Noida, Uttar Pradesh 201307 India Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)SHARMA, Bhuvanesh Kumar
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention proposes a device comprising an adaptable magnetizer capable of performing circumferential crack detection through magnetic flux leakage. The adaptable magnetizer is mounted with a plurality of hall-effect sensors (20) and proximity sensors (19) located on a plurality of flappers (18) of the adaptable magnetizer. The hall-effect sensors (20) are capable of measuring magnetic flux leakage. The plurality of flappers (18) of the adaptable magnetizer may be controlled by a single microcontroller. The data sensed by the hall- effect sensors (20) and the proximity sensors (19) may be monitored and stored in storage section of the adaptable magnetizer device and the output data may be used for further analysis and detection of leakages either inside or outside of the surface of the oil/ gas pipeline.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application
No.202011015845 A

(19) INDIA

(22) Date of filing of Application :12/04/2020

(43) Publication Date :
07/08/2020

(54) Title of the invention : AUTOMATIC SANITIZING APPARATUS

(51)
International :B61L0011020000,A61L0002220000,B64D0011000000,A01N0047440000,B65D0083260000
classification
(31) Priority
Document :NA
No
(32) Priority :NA
Date
(33) Name
of priority :NA
country
(86)
International
Application :NA
No :NA
Filing
Date
(87)
International : NA
Publication
No
(61) Patent
of Addition
to
Application :NA
Number :NA
Filing
Date
(62)
Divisional to
Application :NA
Number :NA
Filing
Date

(71)**Name of Applicant**
:
1)BALJIT SINGH
Address of Applicant
:House No. 534, Sector
38, Gurugram. District
Gurgaon, Haryana,
India. Uttar Pradesh
India
(72)**Name of Inventor :**
1)BALJIT SINGH

(57) Abstract :

The present invention relates to automatic space sanitizing apparatus (100) to be provided in a private automobile or in a public conveyance, such as a car, bus, train, airplane, elevators or other spaces. More particularly, automatic operated sanitizing apparatus (100) for sanitizing the interior surfaces of the passenger vehicles including seats and most of the touch points by performing automated spray of disinfectant on these surfaces and irradiation by UV light sources (140).

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011016125 A

(19) INDIA

(22) Date of filing of Application :14/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A HYBRID MOTORBIKE VEHICLE

(51) International classification	:B60K0006480000, B60W0010080000, B60W0020400000, B60K0007000000, B60W0010060000	(71) Name of Applicant : 1)MODINT MOTOR (OPC) PRIVATE LIMITED Address of Applicant :48, C-1, Work Centre DSIIDC, Himmatpuri, New Delhi - 110091, India. Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KADAMB, Praveen
(33) Name of priority country	:NA	
(86) International Application No	:PCT//	
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a hybrid motorbike vehicle. The vehicle comprises an electric drive assembly (100, 300) comprising one or more electric motor units (112, 304) operatively connected to hub of at least one wheel selected from front wheel (110) and rear wheel (302). The electric drive assembly (100, 300) is configured to function independently and interchangeably with an internal combustion (IC) engine to drive the vehicle in an electric mode. The vehicle is provided with one or more switching means configured to operatively drive the vehicle on any one mode selected from electric mode and internal combustion (IC) engine mode.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011016499 A

(19) INDIA

(22) Date of filing of Application :16/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATED IRRIGATION USING MOISTURE SENSOR BY COMPLETE SOLAR POWER

(51) International classification	:A01G0025020000, A01G0025160000, A01G0025090000, G05B0015020000, A01G0025000000	(71)Name of Applicant : 1)Mr. Akash Trivedi Address of Applicant :Final year [Electrical Engg] Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki, Uttar Pradesh 225003 Uttar Pradesh India
(31) Priority Document No	:NA	2)Mr. Mohd. Faiz Khan
(32) Priority Date	:NA	3)Mr. Subham Mishra
(33) Name of priority country	:NA	4)Prof. (Dr.) S. Devaneyan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mr. Akash Trivedi
(87) International Publication No	: NA	2)Mr. Mohd. Faiz Khan
(61) Patent of Addition to Application	:NA	3)Mr. Subham Mishra
Number	:NA	4)Prof. (Dr.) S. Devaneyan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

India has more villages and majority of the rural people from our country are engaged with agriculture. Mostly farmers are doing canal and drip based irrigation but manually. These manual processes of irrigation offer lot of works, wastage of water and power. In this innovative irrigation process, network of sensors sensing the soil moisture and actuate the motor(s) which is connected through drip irrigating network. If soil is dry, motor connected with drip irrigation network is switched on, when soil is sufficient wet, motor is switched off. Hence, automation is implemented and need not farmers presence in the field. Since, solar power is used; there are no issues of power available to motors and automation accessories.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011017844 A

(19) INDIA

(22) Date of filing of Application :27/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PREPARATION AND PURIFICATION PROCESS FOR SUGAMMADEX SODIUM

(51) International classification	:C07C0067080000, C07C0045510000, A61K0031724000, A01N0043653000, A61K0008368000	(71) Name of Applicant : 1)Mankind Pharma Ltd. Address of Applicant :208, Okhla Industrial Estate, Phase III, New Delhi Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)BHAVSAR, JIGAR
(33) Name of priority country	:NA	2)TIWARI, RAKESH
(86) International Application No	:NA	3)KUMAR, ANIL
Filing Date	:NA	4)BHASHKAR, BHUWAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

PREPARATION AND PURIFICATION PROCESS FOR SUGAMMADEX SODIUM ABSTRACT The present invention provides an industrially viable, cost effective process for manufacturing of sugammadex sodium and intermediate thereof. The present invention further provides a purification method of sugammadex sodium and intermediates thereof. Dated this, 27th day of Apr, 2020 For Mankind Pharma Ltd. Dr. Anil Kumar Chief Scientific Officer

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011018475 A

(19) INDIA

(22) Date of filing of Application :30/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR CALIBRATION OF PH METER

(51) International classification	:G01F0025000000, B41J0029380000, G09G0003329100, H04N0001400000, C02F0001000000	(71) Name of Applicant : 1)ABES Engineering College Address of Applicant :NH-24,19th Km Stone Near Crossing, Ghaziabad, Uttar Pradesh, India - 201009 Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr.Sanjay.Kr.Singh
(33) Name of priority country	:NA	2)Dr.Himani
(86) International Application No	:NA	3)Ms.Manidipa Roy
Filing Date	:NA	4)Mr.Navneet Sharma
(87) International Publication No	: NA	5)Mr.Rajnesh Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure relates to system and method for pH meter calibration. Further, calibration involves: receiving a calibration request; activating the third valve controllable supplying means to supply the wash solution from the third chamber to the calibration chamber, to wash the calibration chamber; triggering the first valve controllable supplying means to supply the first pH solution from the first chamber to the calibration chamber; recording a first electric potential value corresponds to the first pH solution; actuating the second controllable supplying means to supply the second pH solution from the second chamber to the calibration chamber; recording a second electric potential value corresponding to the second pH solution; and matching the first electric potential value and the second electric potential value with the pre-stored electric potential values to calculate a calibration factor of the pH meter.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011018844 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN AIR INFLOW SCAVENGING BOX FOR A PATIENT

(51) International classification :A61B0017132000,
F24F0011620000,
B05B0007000000,
F03D0003040000,
A46B0007040000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DR. ANSHUL JAIN

Address of Applicant :AH-2/9 Veerangna Nagar, Jhansi, Uttar Pradesh, India, Pin code 284128 Uttar Pradesh India

(72)Name of Inventor :

1)DR. ANSHUL JAIN

(57) Abstract :

There was a need to provide an air inflow scavenging box for a patient which shall provide the efficient barrier protection, easy to manufacture and would be available to the consumers at economical price. Current inventionTMs an air inflow scavenging box (500) for a patient comprises a hollow metallic frame (100) - accommodating the patientTMs body partially or fully inside it, - mounted thereon or sheltered with a micro-organisms non-permeable material to create enclosure of patient body within said frame (100) but leaving open one or more hole(s) (1A) for air entrance in said enclosure, - having one or more inlet puncture(s) (10A) at its surface(s) in proximity with patientTMs body and one or more outlet puncture(s) (10B) at its surface(s) away from patientTMs body creating an air passage channel within said frame. It is an elegant device protecting health workers from aerosols, simple, user friendly, economic and ergonomic device.

No. of Pages : 20 No. of Claims : 11

(54) Title of the invention : CAN-DEVICE: AUTOMATIC COUNT THE NUMBER OF CAR RUNNING ON ROAD (REAL TIME, LOCATION, RUNNING SPEED ETC.) USING MACHINE LEARNING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p>Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p>Filing Date</p> <p>(62) Divisional to Application Number</p> <p>Filing Date</p>	<p>:G01S0017930000, B60W0030000000, G05D0001020000, G01S0007481000, B60W0010200000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. NRIPENDRA NARAYAN DAS (ASSOCIATE PROFESSOR) Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY MANIPAL UNIVERSITY JAIPUR. JAIPUR-AJMER EXPRESS HIGHWAY, DEHMI KALAN, NEAR GVK TOLL PLAZA, JAIPUR, RAJASTHAN 303007, INDIA. E-Mail: nrpendranarayan.das@jaipur.manipal.edu E-Mail: nrpendradas@gmail.com Rajasthan India</p> <p>2)DR. ASHOK KUMAR (ASSOCIATE PROFESSOR, CCSIT)</p> <p>3)JYOTI RANJAN LABH (ASSISTANT PROFESSOR)</p> <p>4)MR. SANTOSH GOPAL NAGPURE (ASSISTANT PROFESSOR)</p> <p>5)DR. RAJINDER SINGH SODHI (ASSOCIATE PROFESSOR)</p> <p>6)DR. POORNA SHANKAR (PROFESSOR, VICE PRINCIPAL)</p> <p>(72)Name of Inventor :</p> <p>1)Dr. NRIPENDRA NARAYAN DAS (ASSOCIATE PROFESSOR)</p> <p>2)DR. ASHOK KUMAR (ASSOCIATE PROFESSOR, CCSIT)</p> <p>3)JYOTI RANJAN LABH (ASSISTANT PROFESSOR)</p> <p>4)MR. SANTOSH GOPAL NAGPURE (ASSISTANT PROFESSOR)</p> <p>5)DR. RAJINDER SINGH SODHI (ASSOCIATE PROFESSOR)</p> <p>6)DR. POORNA SHANKAR (PROFESSOR, VICE PRINCIPAL)</p>
---	--	--

(57) Abstract :

CAN-Device as automobile manufacturers seek to implement more advanced driving automation, such as autonomous driving features, GPS-based location systems may be able to provide sufficiently accurate car localization, and they allow for real-time sensing of a car's local environment. The Invention a Methods and apparatus for real time machine vision and point-cloud data analysis are provided, for remote sensing and car control. Point cloud data can be analyzed via scalable, centralized, cloud computing systems for extraction of asset information and generation of semantic maps. Machine learning components can optimize data analysis mechanisms to improve asset and feature extraction from sensor data. Optimized data analysis mechanisms can be downloaded to cars for use in on-board systems analyzing car sensor data. Semantic map data can be used locally in cars, along with on board sensors, to derive precise car localization and provide input to car to control systems. The local environmental sensors generate data describing a surrounding environment, such as point-cloud data generated by a LiDAR, navigation Technology sensor. Collected data can be processed locally, on board the car, or uploaded to a remote data system for storage, processing and analysis. Analysis mechanisms (on-board and/or implemented in remote data systems) can operate on the collected data to extract information from the sensor data, such as the identification and position of objects in the local environment. The systems and technology are described for localization and/or control of a car, such as a car. Local environment sensors, which may include a machine vision system such as LiDAR, navigation Technology, can be mounted on a car. A GPS receiver may also be included to provide a first geographical position of the car. A remote database and processor stores and processes data collected from multiple sources, and an on-board car processor downloads data relevant for operation, safety, and/or control of the moving car. also A navigation and control system including a sensor configured to locate objects in a predetermined field of view from a vehicle. The sensor has an emitter configured to repeatedly scan a beam into a two-dimensional sector of a plane defined with respect to a first predetermined axis of the vehicle, and a detector configured to detect a reflection of the emitted beam from one of the objects. The sensor includes a panning mechanism configured to pan the plane in which the beam is scanned about a second predetermined axis to produce a three dimensional field of view. The navigation and control system includes a processor configured to determine the existence and location of the objects in the three dimensional field of view based on a position of the vehicle and a time between an emittance of the beam and a reception of the reflection of the emitted beam from one of the objects. .

No. of Pages : 21 No. of Claims : 8

(54) Title of the invention : DETECT MICROHOLES AND INFECTIONS CREATED DURING SEXUAL MEETING USING MOBILE PHONE APPS.

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:A61F0006040000, G06Q0010100000, A61H0019000000, A61M0003020000, A61F0006060000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)MR. HARINDER SINGH Address of Applicant :47 PANJABI BAGH PATIALA, PUNJAB-147001, INDIA. E-mail : harinderpt11@gmail.com Punjab India</p> <p>2)PAWAN KUMAR SINGH (AIKU HOSPITAL, TOKYO , JAPAN)</p> <p>3)DR. VANDANA SINGH (COMMAND HOSPITAL, LUCKNOW)</p> <p>4)PROF. DR. BIPLAB KUMAR SARKAR (FOUNDER-GEH- RESEARCH LLP)</p> <p>(72)Name of Inventor :</p> <p>1)MR. HARINDER SINGH</p> <p>2)PAWAN KUMAR SINGH (AIKU HOSPITAL, TOKYO , JAPAN)</p> <p>3)DR. VANDANA SINGH (COMMAND HOSPITAL, LUCKNOW)</p> <p>4)PROF. DR. BIPLAB KUMAR SARKAR (FOUNDER-GEH- RESEARCH LLP)</p>
---	---	--

(57) Abstract :

The contraceptive or condom which can indicate the health of woman vagina by color change. The condom can be worn by men and during sex if they see color change due to pH/antibodies (related/due to HIV) this can be related to bacterial vaginitis/hiv infection. In no way it can be treated as the confirmed indicator of any infection/disease. The condom can also detect wounds on the sexual part of man. Also it can detect microholes created during sexual meeting. The invented Mobile app and device to detect, check microholes, infections and other required as per user is provided in new condoms tips.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011020782 A

(19) INDIA

(22) Date of filing of Application :17/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : Dietary food supplement and Nutritional supplement composition and its process thereof

(51) International classification	:A23L0033175000, A23L0033105000, A61K0031375000, A23K0010300000, A23L0033120000	(71) Name of Applicant : 1)Zenvo Biotech LLP Address of Applicant :Flat No. 306, 3rd Floor Studio Apartment, 1 D Road, VKI Area (Gokulam City), Jaipur Rajasthan India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)ANJANI KUMAR CHANANI
(33) Name of priority country	:NA	
(86) International Application No	:PCT//	
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides dietary food supplements and nutritional supplements containing essential amino acids and fatty acids. Furthermore, the present dietary food supplements and nutritional supplements are formulated to supplement and help to build and maintain bodyTMs general health and boost immunity of body of everyone at every stage of life.

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011021312 A

(19) INDIA

(22) Date of filing of Application :20/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : RETROFITTING ELECTRIC KIT FOR SCVS RESEMBLING TATA ACE DIESEL POWERED CARGO CARRIER WITH ON-BOARD SOLAR CUM GRID CHARGING UNIT

(51) International classification	:G06Q0010100000, F01N0003035000, B60R0009060000, G01C0021200000, G06Q0040020000	(71)Name of Applicant : 1)Prof. (Dr.) S. Devaneyan Address of Applicant :Director CIIE Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki, Uttar Pradesh 225003 Uttar Pradesh India 2)Mr. R. Charles
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Prof. (Dr.) S. Devaneyan
(33) Name of priority country	:NA	2)Mr. R. Charles
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In India, massive number of diesel-powered four-wheelers and their population is growing at a rate of about 20% per annum. Besides being a major hazard to people™s health, these machines are burning huge amounts of petrol and diesel for which the country has to pay extremely on foreign exchange. An improved, indigenously designed and developed fully retrofitting electric kit with solar cum grid charging unit for TATA ACE 4 wheeled diesel powered cargo carrier can provide a non-polluting and silent cargo commuting transport system for urban and rural areas of India. It can also provide large-scale employment to millions of urban and in particular rural poor. Inexpensive retrofitted-electric powered indigenously designed and developed electric TATA-ACE for cargo carrying applications which is effectively used by all the users those who is transporting 750 kg of loads in short range [less than or equal to 150kms per day] on daily basis.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011021700 A

(19) INDIA

(22) Date of filing of Application :22/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SOLAR CUM ALTERNATOR POWERED AIR-CONDITIONING SYSTEM FOR AUTOMOTIVE

(51) International classification :H02S0040340000,
H02J0007350000,
F24F0005000000,
H01M0010460000,
G06Q0010080000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Prof. (Dr.) S. Devaneyan

Address of Applicant :Director CIIE Shri Ramswaroop
Memorial University, Lucknow-Deva Road, Barabanki, Uttar
Pradesh 225003 Uttar Pradesh India

(72)Name of Inventor :

1)Prof. (Dr.) S. Devaneyan

(57) Abstract :

In India, 10 million trucks are transporting cargo across the country and most of them are non-air conditioned. Recently, Ministry of Road Transport and Highways, Govt. of India says that all commercial trucks should incorporate air conditioning unit for the driverTMs cabin. Providing such facilities will reduce the driverTMs discomfort and depression, results road accidents will diminish. Very few trucks are equipped with internal combustion engine coupled air condition unit, which consumes more diesel and reduce the engine pulling performance and reliability. Initial investment for conventional air-conditioning unit is expensive, its operational cum maintenance cost is too high, more carbon emission and no environmental friendly. An improved, indigenously designed and developed fully integrated standalone unit inclusive of various branded components like solar modules, solar array junction box, solar battery, solar off-grid inverter, commercial low tonnage window or split inverter technology air conditioning unit. Small electro mechanical interface units with a DC switch in drivers control panel to charge solar battery from alternator in case of winter season.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011021909 A

(19) INDIA

(22) Date of filing of Application :26/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A SYSTEM AND METHOD FOR CONTROLLED USAGE OF LABORATORY EQUIPMENTS

(51) International classification	:G06F0021450000, G06F0021120000, G06Q0010000000, G06F0021550000, B01L0003000000	(71)Name of Applicant : 1)JAIN, Manisha Address of Applicant :125-D, Defence Colony, Kalarheri Road, Ambala Cantt. Haryana India Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)JAIN, Manisha
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and a system for controlled usage of a laboratory glassware 123 comprises defining the usage control of the laboratory glassware 123, at a remote server 130, by receiving a first information from a computing device 120, and thereby generating a virtual stamp associated with the laboratory glassware 123. The first information is received over a communication link 160 from the computing device 120 by scanning a QR code associated with the glassware 123 using a scanning module 210 of the computing device 120. The remote server 130 allows an authorized user to define the usage control information in the virtual stamp for the controlled usage of the glassware 123.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011022377 A

(19) INDIA

(22) Date of filing of Application :28/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A SYSTEM FOR SHIFTING OF BEDRIDDEN PATIENTS AND METHOD THEREOF

(51) International classification	:A61G0007100000, A61G0007000000, A61B0006040000, A61G0007057000, A61G0007020000	(71)Name of Applicant : 1)TANDON, Pakhi Address of Applicant :B-402, Navrattan Apartment, Plot No. 7A, Sector 23, Dwarka-110075, New Delhi, India Delhi India 2)TANDON, Arushi 3)TANDON, Yash
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)TANDON, Pakhi
(33) Name of priority country	:NA	2)TANDON, Arushi
(86) International Application No	:NA	3)TANDON, Yash
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a system and method for shifting or transferring the bedridden patients from bed to stretcher and vice versa without lifting them physically. Particularly, the present invention discloses a detachable sleeping pad (10) inserted with the mattress (8) which can laterally slide over the bed and stretcher having an array of sliding rollers (3) fitted on its top frame (1, 12) in longitudinal direction. Further, the system also has a locking mechanism to fix the bed and stretcher so that they do not separate while transferring the patient safely.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011022855 A

(19) INDIA

(22) Date of filing of Application :01/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : RESPIRATORY FACE MASK FOR HEALTHCARE PROFESSIONALS

(51) International classification	:A41D13/11	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr Nitin chauhan
(32) Priority Date	:NA	Address of Applicant :B305 Venkateshwar Residency, Garh
(33) Name of priority country	:NA	Road Meerut Uttar Pradesh India Uttar Pradesh India
(86) International Application No	:NA	2)Dr Krishna Murty
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr Nitin chauhan
(61) Patent of Addition to Application Number	:NA	2)Dr Krishna Murty
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter relates to respiratory face mask (100) for healthcare professionals, comprising a mask body (101) including an face chamber (102), and an opening (103) which is formed at a top portion of the mask body (101); a PVC pipe (104) having two ends (104a, 104b) which are disposed with elbow joints; two HEPA filters (105, 106) which are fitted with two ends (104a, 104b) of the PVC pipe (104), respectively; and an adapter (107) directly disposed between the HEPA filters (105, 106). Additionally, the adapter (107) is directly inserted into the mask body (101) for the purpose of supplementing and enhancing the filtering the breathing-air. These filters enhance the protection against airborne microbes to help to reduce the transfer of viruses and bacteria.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011024053 A

(19) INDIA

(22) Date of filing of Application :08/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A SMART CHECKIN SYSTEM AND METHOD FOR DISINFECTING HANDS & BELONGINGS AND PREDICTING VIRAL INFECTIONS

(51) International classification	:G06K 19/077	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Workspace Metal Solutions Pvt. Ltd.
(32) Priority Date	:NA	Address of Applicant :Plot No. B- 437, Road No. 18 A, Bhamashah Industrial Area, Kaladwas, Udaipur, Rajasthan
(33) Name of priority country	:NA	313002 Rajasthan India
(86) International Application No	:NA	2)Lipi Data Systems Ltd
Filing Date	:NA	3)Indian Institute of Technology Guwahati
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Puneet Talesara
Filing Date	:NA	2)Harish Vyas
(62) Divisional to Application Number	:NA	3)Dr. Senthilmurugan Subbiah
Filing Date	:NA	4)Dr. Selvaraju Narayanasamy

(57) Abstract :

The present invention relates to a smart check-in system(100) and method for disinfecting hands & belongings and predicting viral infections. The present invention includes a self-check kiosk(102) and a disinfectant UV-C chamber(126). The self-check kiosk(102) includes a kiosk lower part(104), a display unit(116), a camera(118), a temperature sensor(120). A sanitizer dispenser(106), an oximeter sensor(108) are installed inside the kiosk lower part(104). The temperature sensor(120) measures the body temperature of the user. The oximeter sensor(108) to measure blood oxygen, and heart rate. In case of the abnormal value of the body temperature, blood oxygen, and heart rate, and the user is instructed for further investigation. Else the user is instructed to place items inside a disinfectant UV-C chamber(126) for the disinfection process and instructed to sanitize hands from a sanitizer dispenser(106). A plurality of UV-C light lamps(130) that are installed inside the disinfectant UV-C chamber(126) disinfects items.

No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011024411 A

(19) INDIA

(22) Date of filing of Application :10/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CONTACTLESS DOORBELL APPARATUS

(51) International classification	:G08B	(71)Name of Applicant :
(31) Priority Document No	3/10	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnagar,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. DEEPAK KUMAR
(87) International Publication No	: NA	2)DR. AJAY KUMAR
(61) Patent of Addition to Application Number	:NA	3)JASJIT SINGH
Filing Date	:NA	4)RAMAN BALA
(62) Divisional to Application Number	:NA	5)NAMYA KAMBOJ
Filing Date	:NA	6)NAMITA KAMBOJ
		7)ARCHIK GOSWAMI

(57) Abstract :

Disclosed is a contactless doorbell apparatus (102) that includes a doorbell housing (502), an ultrasonic sensor (102), a human detection sensor (212), a wave detection sensor (204), a switch (206), a controller (302), and a light indicator (208). The ultrasonic sensor (202) detects an indication suggestive of a hand of a visitor within a predefined distance towards the doorbell housing (502). The human detection sensor (212) detects the hand of the visitor on receiving the indication from the ultrasonic sensor (202). The wave detection sensor (204) detects a wave gesture from the hand of the visitor. The switch (206) generates a chime signal for a predefined time duration on the detection of the wave gesture from the wave detection sensor (204). The controller (302) executes instructions related to the detection of the hand of the visitor within the predefined distance and generates the chime signal for the predefined time duration. The light indicator (208) indicates colors corresponding to a plurality of states.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011024533 A

(19) INDIA

(22) Date of filing of Application :11/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTONOMOUS APPARATUS TO OPERATE ELEVATOR

(51) International classification	:G10L 15/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnagar, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DR. DEEPAK KUMAR
Filing Date	:NA	2)DR. AJAY KUMAR
(87) International Publication No	: NA	3)AAYUSH VATS
(61) Patent of Addition to Application Number	:NA	4)ANKUR KOHLI
Filing Date	:NA	5)JASJIT SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is an autonomous apparatus (102) to operate an elevator (104)that includes a microphone (202), a command recognition unit(204), a computational control unit(206), an audio unit(208), a visual unit(210), and actuation units (212 and 110). The microphone (202) receives a voice command from a user. The command recognition unit (204) recognizes the voice command of the user. The computational control unit (206) processes the voice command of the user using an inbuilt register of the command recognition unit (204). The audio unit (208) outputs a confirmation speech message in response to the voice command recognized by the command recognition unit (204). The computational control unit (206) initiates a command signal pertaining to a button pressing mechanism. The visual unit (210) performs a visual search on a control panel of the elevator (104) based on the command signal received from the computational control unit (206). The actuation units (212 and 110) press a button on the elevator control panel based on the button pressing mechanism.

No. of Pages : 28 No. of Claims : 10

(54) Title of the invention : ORIGAMI FACE SHIELD

(51) International classification	:A42B 3/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Jitendra Bhaskar
(32) Priority Date	:NA	Address of Applicant :Type IV, D-1, HBTU West campus
(33) Name of priority country	:NA	Nawabganj Kanpur Uttar Pradesh India
(86) International Application No	:NA	2)Jyotika Singh
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Jitendra Bhaskar
(61) Patent of Addition to Application Number	:NA	2)Jyotika Singh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There has been shortage of personal protective equipment (PPE) due to very high demand everywhere during this Pandemic COVID-19. The face shield is PPE important equipment for limiting the spread of droplets. Present invention is for making origami based reusable and foldable face shield. The Face shield includes a transparent plastic sheet cut out having slits. Face shield is folded from a single sheet in the form of a cut out. Origami structure is stiff that avoids the contact of transparent shield on forehead. The curved origami structure rests on the top of head unlike others on forehead. The face shield is washable for reusable. Storage of face shield is very easy even in very bulk quantity because it remains in the form of flat sheet initially and in cylindrical folded shape for keeping in cylindrical packing box for reuse and for travelling.

No. of Pages : 11 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011024909 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD AND PORTABLE APPARATUS FOR GENERATING SEISMIC VIBRATIONS AND FORESHOCKS

(51) International classification	:G01V 1/00	(71)Name of Applicant : 1)Syed Javed Arif Address of Applicant :Professor, Department of Electronics Engineering, Aligarh Muslim University, Aligarh-202002, State U.P., India Uttar Pradesh India
(31) Priority Document No	:NA	2)Dr. Shahedul Haque Laskar
(32) Priority Date	:NA	3)Syed Mohammad Hamza
(33) Name of priority country	:NA	4)Surabhi Hom Choudhury
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Syed Javed Arif
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)Dr. Shahedul Haque Laskar
(62) Divisional to Application Number Filing Date	:NA :NA	3)Syed Mohammad Hamza 4)Surabhi Hom Choudhury

(57) Abstract :

The present invention discloses a method and portable apparatus 100 for generating seismic vibrations and foreshocks. The portable apparatus 100 comprises a processing unit 118/ microprocessor/ microcontroller (uP/uC) based seismic vibration generation system, comprising a stepper motor 108, coupled to the rotor of a synchro 110, with a rotating magnetic field designed to generate seismic vibrations and foreshocks. The apparatus 100 is configured to generate the seismic vibrations in the rotor of synchro 110 according to a reference earthquake. This in turn varies the frequency of the rotor voltage which is directly proportional to the instantaneous velocities of generated vibrations. Consequently, the patterns of velocity and acceleration waveforms of seismic vibration are obtained at normal scale, enlarge scale, and magnified scale, respectively. These resultant patterns are having a resemblance with the pattern of velocity and acceleration waveforms of reference earthquakes.

No. of Pages : 32 No. of Claims : 10

(54) Title of the invention : ITCP- WIRELESS SENSOR NETWORK: INTELLIGENT TRANSMISSION CONTROL PROTOCOL FOR WIRELESS SENSOR NETWORK.

(51) International classification	:H04W 84/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NEELAM SHARMA (RESEARCH SCHOLAR)
(32) Priority Date	:NA	Address of Applicant :UTTRAKHAND TECHNICAL
(33) Name of priority country	:NA	UNIVERSITY, DEHRADUN-248007, UK, INDIA. E-mail :
(86) International Application No	:NA	sharmaneelam2@gmail.com Uttarakhand India
Filing Date	:NA	2)DR. BRIJMOHAN SINGH
(87) International Publication No	: NA	3)DR. KARAN SINGH
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NEELAM SHARMA (RESEARCH SCHOLAR)
(62) Divisional to Application Number	:NA	2)DR. BRIJMOHAN SINGH
Filing Date	:NA	3)DR. KARAN SINGH

(57) Abstract :

ITCP- Wireless Sensor Network • is a modern era, advanced wireless defined Sensor Networks have emerged as the latest area of research in the wide zone of (wireless) computer networking. The invention enthusiasm in WSNs has been boosted by the exceptionally advances taken place recently in the micro-electro-mechanical systems (MEMS) and the wireless communications technology, which helped in producing low-cost, small-sized sensors with wireless networking capabilities. We can develop WSNs to be ubiquitous with broad deployment both in the commercial as well as military sectors. Distributed aggregation applications. The Wireless Body, another defined location Sensor Network (WBSN) characterizes an independent system that is used for the purpose of monitoring the daily routine activities and their notification. It comprises of intelligent smart sensor nodes which do not have any kind of adverse effect on the daily routine activities. In this invention, a wireless body area network routing protocol is designed where the distance of the sink from various nodes and residual energy of the nodes decides the forwarding nodes to maximize the throughput. This invention all the sensors on the body will transfer data to the sink node and the sink node will transmit data to the base station or to the server. The simulation results will be evaluated in terms of remaining energy, throughput, and the number of dead nodes. The Technology is disclosed comprising coupling one or more subscriber customer premise equipment (CPE) stations with a base station over a shared wireless bandwidth using a packet-centric protocol and allocating the wireless bandwidth and system resources based on contents of packets to be communicated over the wireless bandwidth. 1. Development of distributed middleware architectures for WSNs 2. Power aware / energy efficient routing for WSNs 3. Design of cross-layer algorithms for improved power efficiency.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025038 A

(19) INDIA

(22) Date of filing of Application :15/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A MIXED MUNICIPAL WASTE SEGREGATION SYSTEM

(51) International classification	:B03B	(71)Name of Applicant :
(31) Priority Document No	9/06	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnagar,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PRASHANT SHUKLA
(87) International Publication No	: NA	2)DR. PANKAJ SHARMA
(61) Patent of Addition to Application Number	:NA	3)DR. SHYAM PANDEY
Filing Date	:NA	4)DR. V CHINTALA
(62) Divisional to Application Number	:NA	5)Dr. G. G. Sastry
Filing Date	:NA	6)SACHI CHOUDHARY

(57) Abstract :

The invention relates to a mixed municipal waste segregation system. The invention provides an apparatus for single chamber municipal solid waste segregator, shredded mixed waste is fed into water and due to density/ specific gravity difference waste like plastic bottles, polythene bag floats on water surface and then segregated into different chamber. The remaining waste is agitated with the help of an electric powered agitator. The agitation causes bio degradable waste to form a pulp with water and high density/specific gravity non degradable waste like inert, glass, metals sink at the bottom of the chamber. Pulp of degradable waste is collected out from the chamber and sunken sediment waste is collected from the outlet of the bottom of the chamber. The proposed solution is able to segregate the mixed municipal waste even if it is in wet form also. The setup is compact and works within a single chamber.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025286 A

(19) INDIA

(22) Date of filing of Application :16/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR PREDICTING EPILEPTIC SEIZURES IN REAL TIME

(51) International classification	:H04L 12/853	(71) Name of Applicant : 1)BHATTACHERJEE INDRANI
(31) Priority Document No	:NA	Address of Applicant :Flat No. 292, Adarsh Apartments,
(32) Priority Date	:NA	Pocket-16, Sector-3, Dwarka, Delhi-110078, India Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)BHATTACHERJEE, INDRANI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system (100) and method for predicting the epileptic seizures in real time. The system (100) includes a plurality of electrodes (102) configured to be electrically connected to a patients head to measure Electroencephalogram signal and a pulse sensor (104) configured to be electrically connected to a patients finger to measure heart rate, a signal processing unit (106) electrically connected to the plurality of electrodes (102), a microcontroller unit (108) in connection with the signal processing unit (106) and the pulse sensor (104) that sends an electrical signal to a sound buzzer (114) and a communication unit (116) when the Electroencephalogram signal and heart rate crosses the predefined value, and a display unit (110) to display the patients data via a numeric value and graphical representation.

No. of Pages : 21 No. of Claims : 13

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING SOCIAL DISTANCING

(51) International classification

:G01S
13/08

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. Santosh Kumar YadavAddress of Applicant :PRESIDENT, Shri. J.J.T. University,
Rajasthan, Hon. Secretary Computer Society of India (CSI)India
Rajasthan India**2)Dr. Farook Bashir Sayyad****3)Dr. Rupali Atul Mahajan****4)Dr. Baljit Singh Saini****5)Dr. Preeti Suryakant Patil****6)Dr. Shabnam Farook Sayyad****7)Dr. Chandraprakash Shivram Padmavat****8)Prof. Vaibhav P Kulkarni****9)Mr. Om Suryakant Patil****10)Mrs. Priyanka Shivaprasad More****11)Dr. Suryakant Babanrao Patil**

(72)Name of Inventor :

1)Dr. Santosh Kumar Yadav**2)Dr. Farook Bashir Sayyad****3)Dr. Rupali Atul Mahajan****4)Dr. Baljit Singh Saini****5)Dr. Preeti Suryakant Patil****6)Dr. Shabnam Farook Sayyad****7)Dr. Chandraprakash Shivram Padmavat****8)Prof. Vaibhav P Kulkarni****9)Mr. Om Suryakant Patil****10)Mrs. Priyanka Shivaprasad More****11)Dr. Suryakant Babanrao Patil**

(57) Abstract :

A method for managing social distancing is provided. The method includes the steps of: initiating a social distancing mode in at least one first smart device wearable a first user; triggering detection of proximity sensors in said smart device on initiation of smart distancing mode; detecting presence of one or more second user within a predefined proximal distance from the said first smart device based on readings from proximity sensor; and alerting the first user on detecting presence of one or more second wearable smart devices within a predefined proximal distance from the said first smart device based on readings from proximity sensor, wherein the first smart device provides distance between the first user and second user and also provides advice to maintain social distance from the second user.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025388 A

(19) INDIA

(22) Date of filing of Application :17/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR DETECTING DIABETIC FOOT ULCER

(51) International classification

:G01V
9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. Pradeep Kumar Gupta

Address of Applicant :546/1, Flat 2 Block 2, New Hari
Bhawan, Near ITI Solan, Solan, Himachal Pradesh, India -173212
Himachal Pradesh India

2)Dr. Punit Gupta

3)Dr. Mayank Kumar Goyal

4)Dr. Mandeep Kaur

5)Rajan Prasad Tripathi

6)Dr. Ritika Wason

7)Navaditya Gaur

8)Anshul Sharma

(72)Name of Inventor :

1)Dr. Pradeep Kumar Gupta

2)Dr. Punit Gupta

3)Dr. Mayank Kumar Goyal

4)Dr. Mandeep Kaur

5)Rajan Prasad Tripathi

6)Dr. Ritika Wason

7)Navaditya Gaur

8)Anshul Sharma

(57) Abstract :

The disclosure relates to method of detection of diabetic foot ulcer. The method comprising: receiving the detected pressure data, the determined temperature data and the measured cardiac parameters data the from the portable computing device, through a second communication network; generating one or more patterns based on received: the detected pressure data, the determined temperature data and the measured cardiac parameters data; matching the determined one or more patterns with the stored patterns from the database to identify one or more DFU related disease conditions based on the matched patterns; and transmitting the identified one or more disease information.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025393 A

(19) INDIA

(22) Date of filing of Application :17/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A REAL TIME DROWSINESS DETECTION USING MACHINE LEARNING 2& ARTIFICIAL INTELLIGENCE

(51) International classification	:G08B 21/06	(71)Name of Applicant : 1)Mr. Ankit Kumar Address of Applicant :Department of Computer Science & Engineering Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India Rajasthan India 2)Dr. Linesh Raja 3)Mr. Gajanan Sharma 4)Mr. Manish Bhardwaj 5)Dr. Rahul Chandra Kushwaha 6)Mr. Sachin Jain 7)Dr. Blessy Thankachan 8)Mr. Ashutosh Kumar 9)Dr. Devershi Pallavi Bhatt 10)Dr. Shilpa Sharma 11)Dr. Vanita Jaitly 12)Mr. Rasbihari Dayal
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Mr. Ankit Kumar 2)Dr. Linesh Raja 3)Mr. Gajanan Sharma 4)Mr. Manish Bhardwaj 5)Dr. Rahul Chandra Kushwaha 6)Mr. Sachin Jain 7)Dr. Blessy Thankachan 8)Mr. Ashutosh Kumar 9)Dr. Devershi Pallavi Bhatt 10)Dr. Shilpa Sharma 11)Dr. Vanita Jaitly 12)Mr. Rasbihari Dayal
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Total number of accidents due to drowsiness of cab drivers are around 46,000 in which about 300 incidents led to the death of the rider. It is crucial to be alert of such happening in order to prevent the possible danger by alerting the driver of their state and taking emergency measures automatically in real time to ensure safety of all the passengers in the vehicle. This requires a system that can continuously monitor the driverTMs facial expressions and detects their facial landmarks to extract their state of expressions to find out if theyTMre sleepy or have extreme changes in their emotions such as anger. As soon as the system detects such changes it will take control of the vehicle and immediately slows down the vehicle and also alerts the driver by sounding an alarm to make them aware of the condition theyTMre in. The system will be embedded with the vehicleTMs electronics so that it can also track the statistics of the vehicle to ensure more accurate results. The system is also enabled with Global System for Mobile Communication to also send a report to the corresponding company of which the cab is of. The system will be mainly used in cab services to ensure both the prevention of the accidents and the safety of passenger as well as driver. The system also enables the companies to track their driversTM status to and are also provided with a real time report of the driver for them to take immediate action for any mishappening or any other issues. Thus, ensuring a very fast response and accurate performance.

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025601 A

(19) INDIA

(22) Date of filing of Application :18/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : UV-C-Light Cleaner: DISINFECTS PRODUCE PRODUCTS VEGETABLE, FRUIT, JUICE, GROCERIES, KITCHEN ITEMS BY DIRECT EXPOSURE TO ULTRAVIOLET LIGHT.

(51) International classification	:A61L 2/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. SANJEEV MAHESHWARI (PROFESSOR AND DIRECTOR)
(32) Priority Date	:NA	Address of Applicant :F-503 ANSAL TOWN, NEAR BIKENARWALA, MEERUT -250001, UP, INDIA. E-mail: smm_miet@rediffmail.com Uttar Pradesh India
(33) Name of priority country	:NA	2)Mr. ASHISH KUMAR (PROFESSOR, DEPT. OF CSE, ITS)
(86) International Application No	:PCT//	3)Mr. JITENDRA KUMAR (ASSISTANT PROFESSOR)
Filing Date	:01/01/1900	4)Mr. AMIT GARG (ASSOCIATE PROFESSOR)
(87) International Publication No	: NA	5)Mr. RUPESH KUMAR JINDAL (DEPUTY REGISTRAR)
(61) Patent of Addition to Application Number	:NA	6)Mr. RANJITA SINGH (ASSISTANT PROFESSOR)
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)Dr. SANJEEV MAHESHWARI (PROFESSOR AND DIRECTOR)
Filing Date	:NA	2)Mr. ASHISH KUMAR (PROFESSOR, DEPT. OF CSE, ITS)
		3)Mr. JITENDRA KUMAR (ASSISTANT PROFESSOR)
		4)Mr. AMIT GARG (ASSOCIATE PROFESSOR)
		5)Mr. RUPESH KUMAR JINDAL (DEPUTY REGISTRAR)
		6)Mr. RANJITA SINGH (ASSISTANT PROFESSOR)

(57) Abstract :

UV-C-Light Cleaner is an ultraviolet (UV) light disinfection method and apparatus is provided that disinfects produce products such as vegetable, fruit, juice, groceries, kitchen items by direct exposure to ultraviolet light. The disinfecting UV-C light eliminates pathogens, such as molds and bacteria from the surfaces that it illuminates. The vegetable, fruit, juice, groceries, kitchen items is disinfected over its entire surface. The produce product can be rotated on a conveyor, to illuminate all of the exterior surface of the produce product with a disinfecting UV-C source and The UV-C source also rotated according defined location. To better respond to produce products of varying height and size, the UV-C LED disinfection apparatus can include an automatic actuator. The Invention maintains the UV-C light source at a pre selected level of separation between the produce product and the UV-C light source. The Invention is responsive to a height sensor, other sensor that detects the top height of the produce product and UV-C LED also fix, move according to sensor instruction.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025625 A

(19) INDIA

(22) Date of filing of Application :18/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : INHALABLE MICROPARTICLES OF HYDROXYCHLOROQUINE FOR MANAGEMENT OF ACUTE RESPIRATORY SYNDROME

(51) International classification	:A61K 31/4706 A61K 9/00 A61K 9/16	(71)Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)ARORA, Sandeep
(32) Priority Date	:NA	2)SINGH, Sukhbir
(33) Name of priority country	:NA	3)SHARMA, Neelam
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to inhalable microparticles for systemic delivery. Specifically, the present invention relates to a formulation comprising inhalable microparticles of Hydroxychloroquine and surfactant. The present invention further relates to a process for preparing the formulation comprising inhalable microparticles of Hydroxychloroquine and surfactant based on quasi-emulsification solvent evaporation technique followed by freeze drying. The present invention also provides a method for the management of Acute Respiratory Syndrome associated with COVID and viral morbidities comprising administering pharmaceutically effective amount of inhalable microparticles.

No. of Pages : 20 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025641 A

(19) INDIA

(22) Date of filing of Application :18/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : VERSATILE E-BOARD

(51) International classification	:G06Q 10/10	(71)Name of Applicant : 1)Suresh Kumar Address of Applicant :Sanskriti University, Matura, UP, India- 281401 Uttar Pradesh India
(31) Priority Document No	:NA	2)Shikha Maheshwari
(32) Priority Date	:NA	3)Deepanshu Garg
(33) Name of priority country	:NA	4)Tushar Bansal
(86) International Application No	:NA	5)Naresh Kumar Trivedi
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Suresh Kumar
(61) Patent of Addition to Application Number	:NA	2)Shikha Maheshwari
Filing Date	:NA	3)Deepanshu Garg
(62) Divisional to Application Number	:NA	4)Tushar Bansal
Filing Date	:NA	5)Naresh Kumar Trivedi

(57) Abstract :

This invention relates to Versatile e-board aims to solve a set of problems which are taken for discussion one by one in the proceeding paragraphs. In India, majority of Indian middle class populations are living in small flats and homes this is mostly because of their economy scale as well as the lack of space availability for living. Moreover, high population density leads many other problems such as high gap between rich and poor, not proper comfort due to Ergonomics. These are common problem in now days. Space saving workable arrangements is one of the options to solve these problems. In this research design, the proposers introduce the innovation designs for space saving work-station arrangements developments with easily available less costly materials. Traditional jobs involving only one primary, forwards oriented task are giving way to new approaches to work and a wide variety of task postures and positions. This design will help people to have a multipurpose space saving seating arrangements in different places.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025642 A

(19) INDIA

(22) Date of filing of Application :18/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A HYBRID DECISION SUPPORT SYSTEM FOR HEART DISEASE PREDICTION

(51) International classification	:G06N 20/00	(71)Name of Applicant : 1)Pooja Rani Address of Applicant :Maharishi Markandeshwar Institute of Computer Technology & Business Management, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Haryana, 133207, India Haryana India
(31) Priority Document No	:NA	2)Dr. Rajneesh Kumar
(32) Priority Date	:NA	3)Dr. Anurag Jain
(33) Name of priority country	:NA	4)Tarun Gulati
(86) International Application No	:NA	5)Rohit Lamba
Filing Date	:NA	6)Dr.Renu Sharma
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Pooja Rani
Filing Date	:NA	2)Dr. Rajneesh Kumar
(62) Divisional to Application Number	:NA	3)Dr. Anurag Jain
Filing Date	:NA	4)Tarun Gulati
		5)Rohit Lamba
		6)Dr.Renu Sharma

(57) Abstract :

Discloses herein a Hybrid Decision Support System for Heart Disease Prediction comprises Naive Bayes, Support Vector Machine, Logistic Regression, Random Forest and Adaboost which are used to diagnose heart disease in patients. Non detection of heart disease at early stage can become the cause of death. In developing countries, where heart specialist doctors are not available in remote, semi-urban and rural areas, there is need of decision support system which can help people in absence of doctor to diagnose heart disease at early stage. Inventors have used Multivariate Imputation by Chained Equations algorithm to handle the missing value, and hybridized Genetic and Recursive Feature Elimination algorithm for selection of suitable features from dataset. Further for pre-processing of data, SMOTE(Synthetic Minority Oversampling Technique) and standard scalar methods are used. In the last step of development of system, inventors have used naive bayes, support vector machine, random forest ,logistic regression and adaboost classifiers. It was tested on Cleveland heart disease dataset available in UCI (University of California, Irvine) machine learning repository. System has given the highest accuracy of 86.6% with random forest . Accuracy given by proposed system is superior to existing systems in the literature. Present invention can be used for early detection of heart disease and can reduce mortality rate.

No. of Pages : 29 No. of Claims : 5

(54) Title of the invention : FLEX SENSOR BASED POSTURE ALARMING SMART VEST

(51) International classification

:A61F
5/02

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. N.K. BATRAAddress of Applicant :Maharishi Markandeshwar Engineering
College, Maharishi Markandeshwar (Deemed to be University),
Mullana Ambala, Haryana Haryana India**2)Dr. Manu Goyal****3)Dr. Neera Batra****4)Hitesh Jangra****5)Diwaker Tanwer**

(72)Name of Inventor :

1)Dr. N.K. BATRA**2)Dr. Manu Goyal****3)Dr. Neera Batra****4)Hitesh Jangra****5)Diwaker Tanwer**

(57) Abstract :

The present invention relates to alarming posture vest and a method for improving body posture. Wrong body posture has various harmful effect on humanTMs health. Improper sitting posture results in various work-related musculoskeletal disorders such as neck pain, shoulder girdle pain, headaches, and even lower back pain. Even the poor posture looks unpleasant to eyes with the person having rounded shoulders with hunched back, short neck and forward head posture.. Existing posture correcting devices comprising of elastic shoulder strap and waist strap can result in excessive pulling of the strap for correcting posture but causes discomfort to the users. A need therefore exist for smarter vest which address the problem of Experienced by the users In the present invention a vest has been fabricated which provides a warning In an abnormal sitting posture. In the present invention a device is attached to the vest which provides a warning in case of poor posture. The device works on the principle of bending. The device consist of flex sensor and resistor controlled by microcontroller.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025736 A

(19) INDIA

(22) Date of filing of Application :18/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : STAND ALONE CONTACTLESS THERMAL SCREENING AND FACIAL RECOGNITION WITH MASK FOR ATTENDANCE AND ACCESS CONTROL SYSTEM WITH SANITIZATION CHAMBER HAVING NEGATIVE IONS/UV EXPOSURE /HERBAL STEAM PROCESS

(51) International classification	:G07C 9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Ms. Sakshi Misra
(32) Priority Date	:NA	Address of Applicant :B-1/7 Vinay Khand, Gomti Nagar, Lucknow, Uttar Pradesh 226010 Uttar Pradesh India
(33) Name of priority country	:NA	2)Prof. (Dr.) Mukul Misra
(86) International Application No	:NA	3)Prof. (Dr.) S. Devaneyan
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Ms. Sakshi Misra
(61) Patent of Addition to Application Number	:NA	2)Prof. (Dr.) Mukul Misra
Filing Date	:NA	3)Prof. (Dr.) S. Devaneyan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The integration of indigenously produced facial recognition system with body temperature detection and sanitization mechanism to create a non-contact wholesome device for access control, attendance keeping and sanitization. This innovation is relevant in the present times and will be useful in the future as organizations and public has become more aware of their health and hygiene.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011025812 A

(19) INDIA

(22) Date of filing of Application :19/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : Coronavirus Protected Intelligent Room: INTELLIGENT DISINFECTING ROOM AIR USING MACHINE LEARNING SYSTEM.

<p>(51) International classification :G06N 20/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Mr. DILIP KUMAR SAINI (ASSISTANT PROFESSOR) Address of Applicant :RAMA UNIVERSITY FACULTY OF ENGINEERING AND TECHNOLOGY, RAMA CITY, MANDHANA, KANPUR -209217 UP, INDIA. E-mail: dilipsaini@gmail.com Uttar Pradesh India</p> <p>2)Dr. SACHIN VIRSINGH SOLANKI (ASSISTANT PROFESSOR)</p> <p>3)Mr. VIKAS BALASAHEB MARAL (ASSISTANT PROFESSOR)</p> <p>4)DR. POORNA SHANKAR (PROFESSOR, VICE PRINCIPAL)</p> <p>5)DR. SOUMITRA DAS</p> <p>6)PROF.(DR.) S. B. CHORDIYA (DIRECTOR-SIMMC-CAMPUS)</p> <p>(72)Name of Inventor :</p> <p>1)Mr. DILIP KUMAR SAINI (ASSISTANT PROFESSOR)</p> <p>2)Dr. SACHIN VIRSINGH SOLANKI (ASSISTANT PROFESSOR)</p> <p>3)Mr. VIKAS BALASAHEB MARAL (ASSISTANT PROFESSOR)</p> <p>4)DR. POORNA SHANKAR (PROFESSOR, VICE PRINCIPAL)</p> <p>5)DR. SOUMITRA DAS</p> <p>6)PROF.(DR.) S. B. CHORDIYA (DIRECTOR-SIMMC-CAMPUS)</p>
--	---

(57) Abstract :

Coronavirus Protected Intelligent Room • is a sterilization room system consisting of a sensing direct system. The UV emitting lamps or devices. The sensing system comprises the remote UV sensor and door sensor. The intelligent door sensor comprises a safety shut off door detector and may contain an emergency and defined user stop detector to protect people from being exposed to UV energy. The invented system remote control for disinfect room with starting, stopping and setting system parameters which include but are not limited to treatment time, dosage, room size, room number. The devices and uses of said devices for transmitting UV light over a broad area and for a long distance to inactivate microbes and non-microbial sources. The invention is activated by a user interrupt, variable, logic process that controls activation of the device, such that activation is automatic an absence of an action or activity within an effective range of the device. The invented device comprises at least one ultraviolet light emitting source emitting ultraviolet light in a range from about 11 to 421 nanometers and a lens formed of an ultraviolet light transmissive used material. The ultraviolet light emitting source. The lens may be formed into a complex functional or ornamental shape and does not filter or refract significantly the ultraviolet light emitted from the ultraviolet light emitting source.

No. of Pages : 22 No. of Claims : 10

(54) Title of the invention : SYSTEM FOR DETERMINING PROFILE OF A SOIL IN A GEOGRAPHICAL REGION AND METHOD THEREOF

(51) International classification	:A61B 5/00	(71)Name of Applicant : 1)Krishna Kant Agrawal Address of Applicant :Department of Computer Science and Engineering, ABES Institute of Technology (ABESIT), Campus 2, 19th KM. Stone, NH-24, Vijay Nagar, Ghaziabad - 201009 U.P. India Uttar Pradesh India
(31) Priority Document No	A61B 5/04	
(32) Priority Date	:NA	2)Devesh Mishra
(33) Name of priority country	:NA	3)Shweta Singh
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Krishna Kant Agrawal
(87) International Publication No	: NA	2)Devesh Mishra
(61) Patent of Addition to Application Number	:NA	3)Shweta Singh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and a method for determining the profile of soil in the geographical region are provided. The system includes a housing comprising a first compartment and a second compartment, wherein said first compartment includes a transparent glass portion and a display unit, wherein said transparent glass portion assists in making readings corresponding to profile of the soil in the geographical region visible to a user; a sensing unit disposed within the transparent glass portion of the first compartment for determining profile of the soil in the geographical region; at least two electrodes electro-mechanically coupled with the sensing unit, wherein each electrode of the at least two retractable electrodes is coupled to a common guide which automatically expands from the sensing unit, facilitates insertion of the at least two electrodes within the holes in the soil surface for measuring voltage difference between two contacting area of the soil and retraction of the at least two electrodes within the sensing unit upon measuring the voltage difference; and a second shaft passing through the second opening; an analog to digital converter configured to convert an analog signal received from the at least two electrodes into a digital signal; a communication module for transmitting information including the co-ordinates of the testing area.

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026058 A

(19) INDIA

(22) Date of filing of Application :20/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LIGHT EMITTING DIODE DEVICE

(51) International classification

:F21Y

115/15

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:PCT//

Filing Date

:01/01/1900

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)OVERDRIVE ELECTRONICS PVT. LTD.

Address of Applicant :C-121, Hosiery Complex, Phase II
Extension, Noida, G.B. Nagar, 201305 (U.P.) INDIA Uttar
Pradesh India

(72)Name of Inventor :

1)MOHIT MITTAL

2)MANISH KUMAR PANDEY

(57) Abstract :

The present invention relates to a light emitting diode (LED) device (100, 200) comprising a fixture body (102) having receptacle with a base (104), the base (104) comprising at least two key holes (110-1, 110-2) formed at diametrically opposite ends of the base (104) for receiving heads of screws fixedly mounted on a surface of a mounting structure; and at least three alignment holes (112-1, 112-2, 112-3) formed at even distance from each other around the boundary of the base (104) for receiving corresponding at least three alignment legs (114-1, 114-2, 114-3) of a diffuser (114) to releasable mount the diffuser (114) on the fixture body (102).

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026098 A

(19) INDIA

(22) Date of filing of Application :20/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IPP- Sentiment Analysis: IMPROVING THE PERFORMANCE OF SENTIMENT ANALYSIS USING PYTHON PROGRAMMING.

(51) International classification :G06F
17/27
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mrs. ROOPAM SRIVASTAVA (RESEARCH SCHOLAR)

Address of Applicant :W/O -NEERAJ SHANKER SRIVASTAVA C-50, VIKAS NAGAR, FCI ROAD, BARGADWA, POST-FERTILIZER FACTORY GORAKHPUR-273007, UP, INDIA. E-mail- roopam.amogh@gmail.com Uttar Pradesh India

2)PROF.(DR.) PAWAN KUMAR BHARTI (VICE CHANCELLOR , SHRI VENKATESHWARA UNIVERSITY)

3)DR. PARUL VERMA

4)PROF. DR. BIPLAB KUMAR SARKAR (FOUNDER-GEH- RESEARCH LLP)

(72)Name of Inventor :

1)Mrs. ROOPAM SRIVASTAVA (RESEARCH SCHOLAR)

2)PROF.(DR.) PAWAN KUMAR BHARTI (VICE CHANCELLOR , SHRI VENKATESHWARA UNIVERSITY)

3)DR. PARUL VERMA

4)PROF. DR. BIPLAB KUMAR SARKAR (FOUNDER-GEH- RESEARCH LLP)

(57) Abstract :

IPP- Sentiment Analysis • is provided a computer-implemented method/ Technology of improving performing sentiment analysis. An exemplary method/Technology comprises performing a first sentiment analysis on microblogging under short sentences data based on a method using an opinion lexicon. The method/ Technology also includes training a classifier (python Programming) using training data from the first sentiment analysis. The method/ Technology includes identifying a new opinion term in the microblogging under short sentences data by performing a statistical test. The method also includes identifying new microblogging under short sentences data based on the new opinion term. The invention second sentiment analysis on the advanced microblogging data using the classifier (semantic class to which a word belongs). Also, I can understand sentiment analysis is a computational study that explains people™s opinions, attitudes, emotions, and sentiment. Sentiment analysis has been very popular for the last 14-years, but it is still approached by most researchers and companies as a polarity detection problem. Sometimes, if we analyze a given document or sentence or unit of text, this result may be depicting Multipolarity and hence the net result may be misleading similar to the result of average that does not give information of all its constituent members and their variation. Some sentiment analysis challenges are like Sarcasm detection, Negation detection, word ambiguity, and Multipolarity also. This review paper explores the sentiment analysis challenge of Multipolarity for improvement of the sentiment analysis.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026108 A

(19) INDIA

(22) Date of filing of Application :21/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SECURE MULTIMODAL BIOMETRIC SYSTEM AND METHOD THEREOF

(51) International classification	:G06F 21/32	(71) Name of Applicant : 1)University of Petroleum and Energy Studies Address of Applicant :Energy Acres, Bidholi, Premnagar, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)ANKIT VISHNOI
Filing Date	:NA	2)DR. DURGANSH SHARMA
(87) International Publication No	: NA	3)DR. MANISH PRATEEK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a secure multimodal biometric system for authentication of individuals, and a method thereof. The secure multimodal biometric system (100) comprises a trait acquisition unit (102) to acquire one or more traits of a user based on an input of the user, a feature extraction unit (104) to extract one or more unique features from a first trait of the one or more traits acquired by the trait acquisition unit (102), a trait matching unit (106) for matching the one or more extracted unique features with a set of biometric templates stored on a biometric template storage unit (110), and a controller unit (108) to determine variation in the extracted unique features of the first trait, wherein the controller unit (108) updates the set of biometric templates stored on the biometric template storage unit (110) based on the determined variation in the extracted unique features of the first trait.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026158 A

(19) INDIA

(22) Date of filing of Application :22/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A MULTIGRAIN GLUTEN-FREE FLOUR COMPOSITION

(51) International classification	:A21D 13/066	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Prabhjot singh khanna
(32) Priority Date	:NA	Address of Applicant :h.no. b-xxxi, 151, st. No. 2 Guru teg bhadur Nagar, mundian kalan, Ludhiana 141015 Punjab India
(33) Name of priority country	:NA	2)Microfoods Pvt. LTD.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Prabhjot singh khanna
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multigrain gluten-free flour composition for gluten sensitive end consumers includes 60% weight/weight rice, 16.50% weight/weight split Bengal gram, 9% weight/weight chickpea, 5% weight/weight sorghum, 4% weight/weight tapioca, 4% weight/weight amaranthus, 1% weight/weight finger millet and 1% weight/weight cluster beans of the total multigrain gluten-free flour composition.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026370 A

(19) INDIA

(22) Date of filing of Application :22/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A WALKING DEVICE FOR ENHANCING CAPABILITIES OF A VISUALLY IMPAIRED PERSON

(51) International classification	:A61H	(71)Name of Applicant :
(31) Priority Document No	3/06	1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR
(32) Priority Date	:NA	Address of Applicant :Dean, Research & Development, Room
(33) Name of priority country	:NA	Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur
(86) International Application No	:NA	208016, Uttar Pradesh, India Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MISHRA, Anubhav
(61) Patent of Addition to Application Number	:NA	2)JANAKARAJAN, Ramkumar
Filing Date	:NA	3)VERMA, Abhishek
(62) Divisional to Application Number	:NA	4)SINGH, Amandeep
Filing Date	:NA	

(57) Abstract :

The invention discloses a device for enhancing capabilities of a visually impaired person comprising a plastic casing handle (1), at least two laser sensors embedded inside the plastic casing handle (1) configured to provide side clearance from obstacles, at least one ultrasonic sensor (3) placed on a rotating drum (4) and a rotation fixer (2) embedded inside the plastic casing handle (1) in front to provide front clearance from obstacles, a power source configured to supply power to the device; a speaker installed inside the plastic casing handle (1) configured to provide sound output; an arrangement (5) for installing cane on the device wherein the device emits vibration and sound of specific frequency and intermittency for auditory perception of the obstacle and the rotating drum (4) and the rotation fixer (2) allows the ultrasonic sensor (3) to change the orientation without affecting holding position of the plastic casing handle (1).

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026603 A

(19) INDIA

(22) Date of filing of Application :23/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HUMAN HAIR DERIVED ACTIVATED CARBON NANOSHEETS, PROCESS OF PREPARATION AND APPLICATION THEREOF

(51) International classification	:C01B 32/30, H01G 11/38	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR Address of Applicant :Dean, Research & Development, Room Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur 208016, Uttar Pradesh, India Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KAR, Kamal Krishna
(33) Name of priority country	:NA	2)SINHA, Prerna
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides a cost-effective and environment-friendly approach for the preparation of activated carbon from waste human hair using a modified synthesis route. The study further extends towards the utilization of activated carbon as electrode material for supercapacitor. The choice of waste human hair not only acts as a carbon source but provides in-situ biological morphology. Also, the inorganic elements present in Keratin compounds get ingrained to the carbon skeleton during a modified synthesis route. This lead to the formation of highly porous and heteroatom doped activated carbon nanosheets structure. The as-prepared activated carbon is used as an electrode material, and aqueous electrolytes (1 M H₂SO₄ and 6 M KOH) are used for the assembled symmetric supercapacitor.

No. of Pages : 42 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026620 A

(19) INDIA

(22) Date of filing of Application :23/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PORTABLE LIQUID DISPENSER WITH SILICONE SUCTION CUPS

(51) International classification	:B67D 7/48	(71) Name of Applicant : 1)Divya Sethi
(31) Priority Document No	:NA	Address of Applicant :81-B/ 41 West Punjabi Bagh, New
(32) Priority Date	:NA	Delhi 110026, India Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)Divya Sethi
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides portable liquid dispenser, suited for dispensing a sanitizing liquid, wherein the dispenser on at least a front or back surface has at least a silicone patch affixed in an airtight manner, wherein the silicone patch comprises one or more suction caps to reversibly fix the dispenser to any surface, such as back of a phone, window, or wall for ease in portability and access.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026643 A

(19) INDIA

(22) Date of filing of Application :24/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SMART DIGITAL COLORIMETER

(51) International classification	:G06F 21/77	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABES Engineering College
(32) Priority Date	:NA	Address of Applicant :NH-24,19th Km Stone Near Crossing, Ghaziabad, Uttar Pradesh, India - 201009 Uttar Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Dr.Sanjay.Kr.Singh
Filing Date	:NA	2)Dr.Himani
(87) International Publication No	: NA	3)Ms. Rakhi Kumari
(61) Patent of Addition to Application Number	:NA	4)Ms. Shilpa Srivastava
Filing Date	:NA	5)MR, Rajnesh Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a method for analysing a sample by colorimeter, the method comprising: placing sample in sample holder; providing sample characteristic through a touch panel; identifying appropriate filter element; activating actuation means to align the appropriate filter element in between the sample and a light source; activating light source; analysing the sample based on the detected transmissive light; and generating analysis report of the sample.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026678 A

(19) INDIA

(22) Date of filing of Application :24/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN ELECTRIC COLD FLASK

(51) International classification	:F28D 20/02	(71) Name of Applicant : 1)Rishabh Agarwal
(31) Priority Document No	:NA	Address of Applicant :38.2, Darabarashah, Ward No-16 City:
(32) Priority Date	:NA	Najibabad Uttar Pradesh India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)Rishabh Agarwal
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an electric cold flask capable of providing cold liquid continuously. More particularly, the present invention relates to a cold flask comprising of inner and outer flask layer with a closed evacuated space in between.

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011026692 A

(19) INDIA

(22) Date of filing of Application :24/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADVANCE PATIENT MONITORING SYSTEM

(51) International classification	:G05B 19/4063	(71)Name of Applicant : 1)Dr. Anita Shukla Address of Applicant :PSIT, Bhauti, Kanpur Uttar Pradesh India
(31) Priority Document No	:NA	2)Dr. Manish Kumar
(32) Priority Date	:NA	3)Dr. Sanjeev Bhalla
(33) Name of priority country	:NA	4)Ankit Jain
(86) International Application No	:PCT//	5)Rahul Yadav
Filing Date	:01/01/1900	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. Anita Shukla
(61) Patent of Addition to Application Number	:NA	2)Dr. Manish Kumar
Filing Date	:NA	3)Dr. Sanjeev Bhalla
(62) Divisional to Application Number	:NA	4)Ankit Jain
Filing Date	:NA	5)Rahul Yadav

(57) Abstract :

In hospital patient are admitted for the treatments, who are suffering from various types of diseases. It becomes very difficult for the attendant to reducing the physical contact in this scenario. Specially when the patents are suffering from community spreading diseases. To solve the problem we have proposed a device who will give notification to the attendant that what service the patent want. It will reduce the physical contact by approximately 50%. This device has two sections one is master which will be available with the attendant and other is slave device which will be installed at each patient bed. If any patient need anything then he/she will press the button on his/her device and attendant will immediately come to know the requirement coming from the particular patient. Attendant can also provide acknowledge message to the patient as well. The complete information can be saved on the data base for further diagnosis.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027041 A

(19) INDIA

(22) Date of filing of Application :25/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A DEVICE FOR NON-INVASIVE BLOOD AND SERUM GLUCOSE-LEVEL MONITORING AND CONTROL •

(51) International classification	:A61B 5/00	(71)Name of Applicant : 1)Malaviya National Institute of Technology Address of Applicant :Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur, Rajasthan 302017 Rajasthan India
(31) Priority Document No	A61B 5/145	(72)Name of Inventor :
(32) Priority Date	:NA	1)DR. AMIT JOSHI
(33) Name of priority country	:NA	2)MR. PRATEEK JAIN
(86) International Application No	:NA	3)PROF. SARAJU P. MOHANTY
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter relates to a serum glucose measuring device and method thereof. The invention includes placement of three channels on human body part. Each channel is embedded with infra-red (IR) emitters and IR detectors of specific wavelengths for optical detection. The optical response is detected in voltage form by the IR-detectors is converted into decimal form by an alternate-to-digital signal converter. The components are connected with a processing circuitry and a microcontroller controls the processing of the device. The present invention also includes, a machine learning method for calibration and continuous monitoring, prediction of serum glucose levels using deep neural networks.

No. of Pages : 31 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027104 A

(19) INDIA

(22) Date of filing of Application :26/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR POWER MANAGEMENT AMONG DEVICES BASED ON PRIORITY

(51) International classification	:H04W 72/08	(71)Name of Applicant : 1)Prince Bharti Address of Applicant :MO/Shiv Colony, Dr. B.R. Ambedkar School Road, Infront of Vodafone Tower, Lakhimpur Kheri, Uttar Pradesh 262701 Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	2)Abhijeet Singh
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Prince Bharti
(61) Patent of Addition to Application Number	:NA	2)Abhijeet Singh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to power distribution among devices, based on priority. The method for managing power distribution includes: determining present battery level of an energy storage device; determining present stored energy level of the energy storage device, switching off one or more devices with low priority, if the determined battery level is less than a first threshold; determining present battery level of the energy storage device, to switch off one or more devices with medium priority, if the determined stored energy level is less than a second threshold; and determining present battery level of the energy storage device, to switch off one or more devices with high priority, if the determined stored energy level is less than 1%.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027116 A

(19) INDIA

(22) Date of filing of Application :26/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HERBAL FORMULATION OF COW DUNG ASH MODIFIED POWDER USE AS ANTIBACTERIAL, ANTIFUNGAL AND OXYGEN SCARCITY ENVIRONMENT AND THEIR PROCESS OFF.

(51) International classification

:A63F
13/35

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)AYUSHI SHARMA

Address of Applicant :1678, MAINAGARH NEAR

KRISHNAPURI CHAURAYA MATHURA U.P.-281001, INDIA
Uttar Pradesh India

2)DR. PRADEEP KUMAR CHOUDHARY

(72)Name of Inventor :

1)AYUSHI SHARMA

2)DR. PRADEEP KUMAR CHOUDHARY

(57) Abstract :

Herbal formulation of cow dung ash modified powder use as antibacterial, antifungal and oxygen scarcity environment and their process off The normal talcum powder available in market have the cancer causing talc so to make sure avoiding use of such cancer-causing elements, use of natural products could be encouraged that could meet our daily requirements. We have prepared a herbal powder which is talc free. We were used the cow dung ash on the place of talc. Cow dung ash prepared by burning the cow dung cake. Majistha combats dry skin, itchiness, inflammation and rashes. It lightens marks and scars. Calendula has antifungal, anti-inflammatory and antibacterial properties that might make it useful in healing wounds, soothing eczema, relieving diaper rash and have also used as an antiseptic. Peppermint oil naturally cleanses the skin alongwith antiseptic and antibacterial properties. Due to its antimicrobial properties, peppermint oil may help reduce levels of acne causing bacteria on the skin to help treat pimples. By different formulation three variety of herbal powder were prepared for baby, adult and for to be use as antiseptic powder.

No. of Pages : 8 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027117 A

(19) INDIA

(22) Date of filing of Application :26/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : NATURAL SECRETORY PROTEINS BASED 'SP-ELISA' FOR THE EARLY DIAGNOSIS OF PARATUBERCULOSIS IN DOMESTIC LIVESTOCK

(51) International classification	:A61K 39/00	(71)Name of Applicant : 1)DR. SAURABH GUPTA Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY ACADEMIC BLOCK-VI, GLA UNIVERSITY, CHAUMUHAN, MATHURA, UTTAR PRADESH-281406, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	2)DR. KUNDAN KUMAR CHAUBEY
(32) Priority Date	:NA	3)DR. PRAVIN KUMAR SINGH
(33) Name of priority country	:NA	4)DR. SHOOR VIR SINGH
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. SAURABH GUPTA
(87) International Publication No	: NA	2)DR. KUNDAN KUMAR CHAUBEY
(61) Patent of Addition to Application Number	:NA	3)DR. PRAVIN KUMAR SINGH
Filing Date	:NA	4)DR. SHOOR VIR SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Concept of early and specific diagnosis of Paratuberculosis (Johne disease) in domestic livestock has been recognized as major step to limit the spread of disease and better management and control of disease in the country. Paratuberculosis (ParaTB). in animals, is primary responsible for chronic, progressive and degenerative enteritis caused by Mycobacterium avium subspecies paratuberculosis (MAP) and is unresponsiveness to antibiotic therapy leading to progressive wasting, emaciation and death. MAP bacilli has widest host range and infect domestic to wild ruminants. including primates and human beings leading to huge economic losses in view of the reduced productivity. Control and eradication of ParaTB is difficult due to its insidious nature, long incubation and variable sensitivity and specificity of diagnostic tests. Till date diagnosis is still a challenge due to chronic nature and the occurrence, of four stages of disease ranging from silent to advance stage and uncertain diagnosis by using imported commercial ELISA kits containing antigen(s) of non-indigenous or foreign strains of MAP. Present invention focuses on the early naturally secreted immunogenic proteins derived from novel native and fully characterized indigenous MAP strains i.e. 6S 5\ Indian Bison Type as potential biomarker for the early and differential diagnosis of paratuberculosis infection in domestic livestock using indirect IgG ELISA platform.

No. of Pages : 17 No. of Claims : 4

(54) Title of the invention : MACHINE LEARNING BASED SYSTEM FOR MONITORING BACTERIA & FOREIGN MATTERS LEVEL IN LIQUID

<p>(51) International classification :G06N 20/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p>Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Mr. Brajesh Kumar Singh Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, HMR Institute of Technology and Management, Hamidpur, Delhi, India Delhi India</p> <p>2)Dr. V. Dhinakaran</p> <p>3)Dr. Satish Kumar Kalhotra</p> <p>4)Dr. Kusum Yadav</p> <p>5)Afraa Alshammari</p> <p>6)Mitha Habeeb Alshammary</p> <p>7)Amal Habib Alshammary</p> <p>8)Mr. Anupam Sharma</p> <p>9)Mr. Puneet Kumar Aggarwal</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Brajesh Kumar Singh</p> <p>2)Dr. V. Dhinakaran</p> <p>3)Dr. Satish Kumar Kalhotra</p> <p>4)Dr. Kusum Yadav</p> <p>5)Afraa Alshammari</p> <p>6)Mitha Habeeb Alshammary</p> <p>7)Amal Habib Alshammary</p> <p>8)Mr. Anupam Sharma</p> <p>9)Mr. Puneet Kumar Aggarwal</p>
---	---

(57) Abstract :

The present invention is related to a machine learning based system for monitoring bacteria & foreign matters level in liquid. The objective of the present invention is to solve the problems in the prior art related to adequacies in technologies in monitoring and detecting the impurities, bacteria & foreign matters in the water. The system comprises an optical module, an image receiving module & a center computing unit.

No. of Pages : 24 No. of Claims : 6

(54) Title of the invention : THE SLOTTED PIN DIODE SWITCHED FREQUENCY RECONFIGURABLE ANTENNA FOR FREQUENCY SHIFT-BASED INTERNETS OF THINGS APPLICATIONS

<p>(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date</p>	<p>:H01Q 9/04 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA</p>	<p>(71)Name of Applicant : 1)Prempal Singh Dangur Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur, Rajasthan, India Rajasthan India 2)Dr. Sudhir Kumar Sharma 3)Dr Pankaj Kumar Goswami 4)Dr Garima Goswami 5)Dr Vikas Singh Bhadoria 6)Shivani Chourasia 7)Manoj Kumar Garg (72)Name of Inventor : 1)Prempal Singh Dangur 2)Dr. Sudhir Kumar Sharma 3)Dr Pankaj Kumar Goswami 4)Dr Garima Goswami 5)Dr Vikas Singh Bhadoria 6)Shivani Chourasia 7)Manoj Kumar Garg</p>
---	---	--

(57) Abstract :

The invention provided a compact and wide range frequency reconfigurable patch antenna operating over five frequencies. The invention comprises a radiation patch; microstrip feed line, dielectric substrate, and a ground plane. Radiation unit or patch and the feed line are positioned on the upper side of the substrate and ground plane is arranged on the lower side of the substrate. The overall dimension of the substrate is 25—25mm². Radiation unit comprises a stepped and slotted rectangular patch and three parasitic strips. Out of three parasitic strips two are positioned around the patch and one is on upper side which is also takes part in reconfiguration. Ground plane is defected with two ring slots and a U-slot. Operating frequencies switched from one to another by turning ON/OFF the PIN diodes. For this purpose, three PIN diodes are used as the switches. PIN diodes alter the current distribution according to which the operating frequency shifts to another frequency. 0.5 mm gap is reserved for PIN diode. Two PIN diodes are positioned on the upper side i.e. radiating patch side and one PIN diode in the ground plane. Two PIN diodes which are connected between radiating patch and upper parasitic are turned ON/OFF simultaneously. To bias the PIN diodes, a biasing circuit also designed with inductors and resistors. A DC block capacitor is also used in ground plane to isolate the terminals of DC supply. For three PIN diodes, best four diode combinations are selected to reconfigure the antenna. As the invention reconfigured for frequency so there are total five frequencies over which the antenna operates, and these frequencies can be switched from one to another according to our requirement. The frequencies are 3.85 GHz, 4.14 GHz, 4.43 GHz, 4.91 GHz, and 6.01 GHz. The invention is useful for IoT applications in WLAN, Wi-Max and C-band. The invention has advantages of being simple, low cost, and convenient with wide operating range for above mentioned applications.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027390 A

(19) INDIA

(22) Date of filing of Application :28/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PRESENCE SENSOR BASED MODULAR AND CONFIGURABLE TOUCH-LESS GERM-FREE SWITCHING SYSTEM WITH ZERO FALSE TRIGGERING

(51) International classification	:H02J 3/38	(71)Name of Applicant : 1)Sujeet Roy
(31) Priority Document No	:NA	Address of Applicant :N-5/2, MS FLATS, SECTOR 13, RK PURAM, NEW DELHI - 110066 Delhi India
(32) Priority Date	:NA	2)Lini Roy
(33) Name of priority country	:NA	3)Bhavinsinh Parmar
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Bhavinsinh Parmar
(87) International Publication No	: NA	2)Sujeet Roy
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A presence sensor (IR/ Ultrasonic) based modular and configurable touch-less germ-free switching system especially designed to ensure zero false triggering. This can be used in any public/ medical/ domestic environment to minimize spread of germs and viruses. Best for use in switch panels for ICU/Medicare, Biohazard areas, elevators, vending machines, lighting, call bells etc. The modular and configurable switch system can be used either as stand-alone or as an external module (add on) to any existing switching panel and can be configured to work on multiple types of power, drawn from the supply for the existing panel itself.

No. of Pages : 5 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027405 A

(19) INDIA

(22) Date of filing of Application :28/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ANTIVIRAL COATING MATERIALS AND METHOD OF PREPARATION THEREOF

(51) International classification	:B01J 37/03	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. BHARAT BAJAJ
(32) Priority Date	:NA	Address of Applicant :H.NO 3567 SECTOR 46 C CHANDIGARH, INDIA Chandigarh India
(33) Name of priority country	:NA	2)Dr. VARINDER GARG
(86) International Application No	:NA	3)Dr. HARISH KUMAR
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. BHARAT BAJAJ
(61) Patent of Addition to Application Number	:NA	2)Dr. VARINDER GARG
Filing Date	:NA	3)Dr. HARISH KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to antiviral coating materials. The said materials are nanocomposite material comprising one or more combination of nanoparticles viz., CuO, ZnO and CeO₂ dispersed in short carbon nanorods (SCNR). The said materials are durable, can withstand high temperature (250° C) and have shelf life of more than 3 months. Further, the said antiviral materials can be synthesized in just one-step. Moreover, the said materials have an added advantage that they can be synthesized and coated simultaneously. Furthermore, materials require no additional reducing agent thus eliminating the need of an additional processing steps for stabilization of the product. The antiviral materials can be coated uniformly on every surface type and produce highly stable and transparent film

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027557 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PRESS MILLING APPARATUS FOR GENERATING HARMONIC STRUCTURES AND METHOD THEREOF

(51) International classification	:B22F	(71)Name of Applicant :
(31) Priority Document No	9/04	1)Indian Institute of Technology Kanpur
(32) Priority Date	:NA	Address of Applicant :Dean, Research & Development, Room
(33) Name of priority country	:NA	Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur-
(86) International Application No	:NA	208016, Uttar Pradesh, India Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Debdipta Banik
(61) Patent of Addition to Application Number	:NA	2)Gyan Prakash Bajpai
Filing Date	:NA	3)Kallol Mondal
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel press milling apparatus and method for milling material for creating harmonic structure. The apparatus/method is deforming the surface of the particles without deforming the core of the particles. In this novel press milling process, the surface of the powder particles will be deformed by rotation as well as revolutionary motion of pressing discover powder particles under a constant load.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011027705 A

(19) INDIA

(22) Date of filing of Application :30/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IOT BASED ENGINE DEACTIVATION SYSTEM FOR VEHICLES

(51) International classification	:B60R 25/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GNA University
(32) Priority Date	:NA	Address of Applicant :Phagwara-Hoshiarpur Rd, Sri
(33) Name of priority country	:NA	Hargobindgarh, Punjab 144401 Punjab India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Kamaljeet Kainth
(87) International Publication No	: NA	2)Virender Singh
(61) Patent of Addition to Application Number	:NA	3)Arjun Anand
Filing Date	:NA	4)Manjinder Singh
(62) Divisional to Application Number	:NA	5)Ramandeep Singh
Filing Date	:NA	6)Sharanjeet Singh

(57) Abstract :

IoT based engine deactivation is an additional security system that can be installed in the vehicles to emergency shut off or stop the engine remotely and prevent powering to vehicles. In the present project, the system is developed to stop the vehicle engine using IoT by cutting off the electrical supply of distributor/ injectors/ fuel pump so that engine would stop working. An internet enabled wifi module ESP8266 was used as receiver and installed in the vehicle that can be operated remotely with the help of customized mobile app using internet. This security system can be very helpful during the motorsports event where organizers can have access to stop any participated vehicle remotely at the time of emergency and undesirable circumstances (like oil spill, fire, broken parts etc.) to prevent accidents and damages as driver is unaware of such situations while driving. The same technology can be used for personal security purpose to prevent stolen or misuse of vehicle and also by police department to stop the suspected vehicles if this system is embedded with engine ECU system and access is given to legal department. Presently there is only manual method to stop the engine and that to by the driver only. In case of motor sport events there is a provision of kill switch that too can be operated manually by the volunteers in case of emergency to stop the vehicle.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017026810 A

(19) INDIA

(22) Date of filing of Application :24/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SORBENTS FROM IRON-RICH AND ALUMINIUM-RICH STARTING MATERIALS

(51) International classification	:B01J 20/06, B01J 20/08, B01J 20/28, B01J 20/30, C02F 1/28	(71)Name of Applicant : 1)VITO NV Address of Applicant :Boeretang 200 B-2400 Mol Belgium 2)CVBA VLAAMSE MAATSCHAPPIJ VOOR WATERVOORZIENING
(31) Priority Document No	:17210585.0	(72)Name of Inventor :
(32) Priority Date	:26/12/2017	1)MICHELSEN, Bart
(33) Name of priority country	:EPO	2)BERGMANS, Jef
(86) International Application No	:PCT/EP2018/086853	3)BROOS, Kris
Filing Date	:24/12/2018	4)JENNINGS, Rika
(87) International Publication No	:WO 2019/129767	5)PELEMAN, Gisèle
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method of manufacturing a sorbent material, comprising mixing (11) a first granular material (20) comprising iron and a second granular material (30) comprising aluminium hydroxide to obtain a mixture. The first granular material and the second granular material are mixed in a proportion such that a ratio of Fe to Al is between 0.5 and 3.5 by weight; the second granular material has an Al content comprised in aluminium hydroxide phases of at least 30% by weight. The mixture is subjected to a thermal treatment (12) at a temperature between 400°C and 950°C to obtain the sorbent material comprising a first phase rich in iron oxides bound by a matrix rich in aluminium oxide. The obtained sorbent material has a compressive strength of at least 3 MPa.

No. of Pages : 17 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017027060 A

(19) INDIA

(22) Date of filing of Application :25/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PERFORMANCE ENHANCING ADDITIVE FOR FUEL COMPOSITION, AND METHOD OF USE THEREOF

(51) International classification :C10L 1/22
(31) Priority Document No :201821003542
(32) Priority Date :30/01/2018
(33) Name of priority country :India
(86) International Application No :PCT/IB2019/050560
Filing Date :23/01/2019
(87) International Publication No :WO 2019/150231
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DORF KETAL CHEMICALS FZE

Address of Applicant :P.O. Box, 50132, Fujairah Free Zone, Phase-1, WH#110B Fujairah U.A.E.

(72)Name of Inventor :

1)SUBRAMANIYAM, Mahesh

(57) Abstract :

The present invention relates to performance enhancing additive composition comprising a mixture or a blend of (i) an acid amide; and (ii) oxide treated derivative of amine in one embodiment, and performance enhancing additive composition comprising a mixture or a blend of (i) an acid amide; and (ii) oxide treated derivative of amine, and further comprising a detergent in another embodiment, and to a fuel compositions thereof in still another embodiment, and to method of use thereof in yet another embodiment, and to a method of improving performance of a fuel and an engine in yet another embodiment.

No. of Pages : 11 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017027068 A

(19) INDIA

(22) Date of filing of Application :25/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LANTHANIDE-DOPED LAYERED DOUBLE HYDROXIDES AND METHOD OF PRODUCING SAME

(51) International classification	:C01F 7/00, B01J 20/00, B01J 21/00, C02F 1/28
(31) Priority Document No	:17209942.6
(32) Priority Date	:22/12/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2018/086734 :21/12/2018
(87) International Publication No	:WO 2019/122398
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)VITO NV

Address of Applicant :Boeretang 200 B-2400 Mol Belgium

2)UNIVERSITEIT ANTWERPEN

(72)Name of Inventor :

1)SEFTEL, Elena Mihaela

2)MICHELSEN, Bart

3)MULLENS, Steven

4)COOL, Pegie

5)MEYNEN, Vera

(57) Abstract :

The present invention relates to a method for producing lanthanide doped layered double hydroxides (Ln-doped LDHs), said method comprising the steps of preparing a carbonate free alkaline solution; preparing a solution of metal salts comprising a salt of a lanthanide; co-precipitating the alkaline solution and the solution of metal salts to form a mixture and Ln-doped LDH precipitate wherein the pH of the mixture is maintained at a constant value; aging the precipitate; and separating the precipitate from the solution. The alkaline solution is an aqueous ammonia solution. The invention is also related to lanthanide-doped layered double hydroxides (La-doped LDHs) obtainable by such a method, as well as to the use of the lanthanide-doped layered double hydroxides obtainable by such a method.

No. of Pages : 29 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921012102 A

(19) INDIA

(22) Date of filing of Application :28/03/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : 1,5-DISUBSTITUTED NAPHTHALENES AS ANTICANCER AGENTS

(51) International classification	:C07D0239940000, A61K0031496000, C07D0407120000, C07C0317360000, A61K0031419600	(71) Name of Applicant : 1)Siddharth Jitendrakumar Modi Address of Applicant :DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, POONA COLLEGE OF PHARMACY, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), ERANDWANE, KOTHRUD, PUNE-411038. Maharashtra India
(31) Priority Document No	:NA	2)Vithal Madhvarao Kulkarni
(32) Priority Date	:NA	(72) Name of Inventor :
(33) Name of priority country	:NA	1)Vithal Madhvarao Kulkarni
(86) International Application No	:NA	2)Siddharth Jitendrakumar Modi
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to 1,5-disubstituted naphthalene compounds, the process of preparation of these compounds and their use as anticancer agents. The invention involves particularly the compounds represented by formula (I) and formula (II) as inhibitors of vascular endothelial growth factor receptor (VEGFR-2)/KDR tyrosine kinase. The preparation method of the compounds and their compositions containing the same is further disclosed. Experimental methods prove the use of these compounds and their compositions for treating VEGFR-2 mediated diseases. Investigation proves that the new compounds are effective antineoplastic agents, angiogenesis inhibitors, apoptosis inducer, and anti-proliferative agents and can significantly inhibit the growth of human liver cancer cells and breast cancer cells in vivo.

No. of Pages : 84 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921028239 A

(19) INDIA

(22) Date of filing of Application :14/07/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PROCESS FOR SEPARATION AND QUANTITATION OF PROTEINS USING CAPILLARY ELECTROPHORESIS

(51) International classification	:G01N0027447000, G01N0033561000, H01M0008245700, C07K0001130000, A61K0008040000	(71) Name of Applicant : 1)Kashiv BioSciences, LLC Address of Applicant :995 Route 202/206 Bridgewater New Jersey United States of America 08807 U.S.A.
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Roshan Ganeshlal UPADHYAY
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT A PROCESS FOR SEPARATION AND QUANTITATION OF PROTEINS USING CAPILLARY ELECTROPHORESIS The present disclosure provides a method for analyzing, detecting and separating at least one low molecular weight impurity from a protein mixture using capillary electrophoresis, e.g., capillary electrophoresis - sodium dodecyl sulfate (CE-SDS). The present disclosure further provides methods to improve protein peak separation efficiency and quantification of a protein. Furthermore, the present disclosure provides an improved reduced CE-SDS method for analyzing a protein mixture comprising protein of interest which is pegylated and separates LMW or HMW fragments present in the protein mixture.

No. of Pages : 41 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921032486 A

(19) INDIA

(22) Date of filing of Application :10/08/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : AI-BASED ENSEMBLED BOT MECHANISM FOR INDIAN STOCK MARKET PREDICTION AND CUSTOMER ADVISORY SYSTEM FOR TRADERS

(51) International classification	:G06Q0040040000, G06N0003040000, G06F0017270000, G06Q0030020000, G06N0020000000	(71)Name of Applicant : 1)Priyank Gupta Address of Applicant :215, first floor, garima arcade, shinde ki chhwani, gwaliar(MP) Madhya Pradesh India 2)Rakesh Singh Jadon 3)Sanjay Kumar Gupta 4)Ashish Kumar Mishra
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Priyank Gupta 2)Rakesh Singh Jadon 3)Sanjay Kumar Gupta 4)Ashish Kumar Mishra
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

System and Methods for fetching and storing Indian Nifty50 stocks related parameters, events, news and facts for detailed analysis and utilising those past records as data to process it using advanced Recurrent Neural Network(RNN), Natural Language Processing(NLP), rule-based machine learning and Customized AI algorithms to compute information for predicting intraday detailed market analysis for maximising profits and minimising loss of traders. These methods will be further utilized to architect personalized bots for carrying out these tasks automatically on-demand of users/clients to process all kinds of intraday prediction transactions with greater efficiency.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021006089 A

(19) INDIA

(22) Date of filing of Application :12/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SEISMIC ANALYSIS OF IRREGULAR\ECCENTRIC PROTOTYPE STEEL STRUCTURE WITH HELP OF EXPERIMENTAL AND SOFTWARE METHODS.

(51) International classification	:G01H0001000000, G01V0001000000, G01V0001180000, G01V0001280000, E04H0009020000	(71) Name of Applicant : 1)ANNASAHEB DANGE COLLEGE OF ENGINEERING AND Address of Applicant :A/P - ASHTA, TAL - WALWA, DIST SANGLI, MAHARASHTRA PIN 416301 Maharashtra India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)ANNASAHEB DANGE COLLEGE OF ENGINEERING AND
(33) Name of priority country	:NA	2)MAHESHKUMAR MAHADEV BHANUSE
(86) International Application No	:NA	3)SANTOSH SHANKAR MOHITE
Filing Date	:NA	4)AMRUTRAO EKNATH PATIL
(87) International Publication No	: NA	5)KIRAN KONDIBA SHINDE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

SEISMIC ANALYSIS OF IRREGULAR\ECCENTRIC PROTOTYPE STEEL STRUCTURE WITH HELP OF EXPERIMENTAL AND SOFTWARE METHODS. ABSTRACT The Invention is a Convulsion research work is about the process of prototype eccentric steel structure modelling and shake table used for seismic analysis of eccentric steel structure. In order to test dynamic responses of a prototype steel structure. The ground + four storied prototype eccentric steel structure was modelled and tested with help of the shake table. The shake table recorded seismic data from accelerometer attached to each story of prototype steel structure. Four accelerometers are used in two stages and find out seismic properties as like acceleration displacement, velocity, etc. and according to correlation of acceleration, displacement, velocity other seismic properties are predicted. Same prototype eccentric steel structure modelling would be done in Software and predicted all seismic properties such like acceleration, displacement, velocity and other seismic properties. To study the comparative approach between experimental and analytical analysis. The model has been clearly showing irregularity / eccentricity effect on various seismic properties and effects on prototype model. A prototype eccentric steel model on a shake table is useful to the teaching and guideline tool to visually highlights the effects of earthquake on the structure.

No. of Pages : 21 No. of Claims : 7

(54) Title of the invention : DSMC-STERILIZING KIT: DISINFECTING AIR, SURFACES PROTECTING A ZONE FROM EXTERNAL MICROBIAL CONTAMINATION STERILIZING KIT

(51) International classification	:A61L0002100000, A61L0009200000, A23L0003280000, A23B0007015000, A61L0002000000	(71)Name of Applicant : 1)DR. MANISHA BHATKULKAR (ASSISTANT PROFESSOR & HEAD, DEPARTMENT OF ZOOLOGY) Address of Applicant :JAWAHARLAL NEHRU ARTS, COMMERCE AND SCIENCE COLLEGE, WADI, AMRAWATI ROAD, NAGPUR-440023, MAHARASHTRA, INDIA. Mo-no: +91-9604812275, E-mail: manishabhatkulkar@gmail.com Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR. MANISHA BHATKULKAR (ASSISTANT PROFESSOR & HEAD, DEPARTMENT OF ZOOLOGY)
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

DSMC-Sterilizing Kit: DISINFECTING AIR, SURFACES PROTECTING A ZONE FROM EXTERNAL MICROBIAL CONTAMINATION STERILIZING KIT ABSTRACT This invention DSMC-Sterilizing Kit • Is a method, process and apparatus for disinfecting and sterilizing all types of surfaces contaminated with microorganisms and toxic substances to render both inactive. Furthermore, this invention relates to both a method and apparatus for disinfecting and/or sterilizing breathable air and then using this air to protect a confined space from external contamination. The apparatus consists of a Covid-19, new ultra-violet (NUV) source that is more effective than mercury based 259 nm light for destroying DNA of virus, bacteria, spores and cysts. It is most effective in breaking chemical bonds in toxic gases and Biotoxins that are useful to terrorists. It is combined with other apparatus that remove particulates and byproducts sometimes produced by the NUV source and maintains positive pressure of the confined space so as to prevent the influx of air from outside the protected zone. A disinfecting system includes a housing. An ultraviolet light (UV) source is secured to the housing and configured to emit UV light for disinfection of a target. A processor is secured to the housing in communication with the UV light source. The processor is configured to activate the UV light source for a selected amount of time suitable for disinfection of the target.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021018837 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPARATIVE EVALUATION AND OPTIMIZATION OF DIFFERENT DRUG DELIVERY SYSTEM

(51) International classification	:A61K0009510000, A61K0009000000, A61K0009107000, A61K0031470000, A61K0047260000	(71) Name of Applicant : 1)Dr. Swaroop Lahoti Address of Applicant :Department of Pharmacy Y B Chavan College of Pharmacy Aurangabad Maharashtra India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. Swaroop Lahoti
(33) Name of priority country	:NA	2)Piyush Chudiwal
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to stable pharmaceutical compositions comprising lipid nanoparticles of a anti-malarial drug more specifically Primaquine, wherein said lipid nanoparticles are stable Nanostructured lipid carriers (NLC). The present invention also relates to incorporation of Primaquine NLCTMs into adsorbed on aerosil for ease of administration by oral drug delivery system. It also relates to processes for the preparation of the NLC and a method of enhancing liver uptake and improving antimalarial efficacy by proposed drug delivery system.

No. of Pages : 36 No. of Claims : 9

(54) Title of the invention : IG- TOLL COLLECTION: INTELLIGENT GPS BASED TOLL COLLECTION (WITHOUT TOLL PLAZA)

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:G07B0015060000, G06Q0020140000, G06Q0030040000, G06Q0050300000, G01S0019140000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)MR. SANTOSH GOPAL NAGPURE (ASSISTANT PROFESSOR) Address of Applicant :ELECTRONICS AND TELECOMMUNICATION ENGINEERING. BHAGYA JYOT, SAHYADRI COLONY, JIJAMATA CHOWK, GURUDWARA-WALHEKARWADI ROAD, NEAR AKURDI RAILWAY STATION, CHINCHWAD, PUNE-411033, MH, INDIA. E-Mail: sgbpune@gmail.com Maharashtra India</p> <p>2)DR. SANTOSH TUKARAM JAGTAP (ASSISTANT PROFESSOR)</p> <p>3)DR. DANAI AH PULI (ASSOCIATE PROFESSOR)</p> <p>4)DR. STEPHEN R (ASSISTANT PROFESSOR)</p> <p>5)GILLALA REKHA</p> <p>6)SHAVETA MALIK</p> <p>7)B.TECH. IN COMPUTER SCIENCE AND ENGINEERING</p> <p>(72)Name of Inventor :</p> <p>1)MR. SANTOSH GOPAL NAGPURE (ASSISTANT PROFESSOR)</p> <p>2)DR. SANTOSH TUKARAM JAGTAP (ASSISTANT PROFESSOR)</p> <p>3)DR. DANAI AH PULI (ASSOCIATE PROFESSOR)</p> <p>4)DR. STEPHEN R (ASSISTANT PROFESSOR)</p> <p>5)GILLALA REKHA</p> <p>6)SHAVETA MALIK</p> <p>7)B.TECH. IN COMPUTER SCIENCE AND ENGINEERING</p>
--	---	--

(57) Abstract :

IG- Toll Collection: INTELLIGENT GPS BASED TOLL COLLECTION (WITHOUT TOLL PLAZA) ABSTRACT My Invention IG- Toll Collection is a no Toll gates on any highways, a vehicle approach highway toll starts. Toll is to collected based on distance covered by a vehicle. Amount deducted from an owner account is to be deposited to an authorized account i.e. Highway Authority of India. In case of accident a sms must be sent to nearby police station and relatives. In case of any technical issues of the vehicle a sms sent to service station. All these to be incorporated in a single device and placed this in a vehicle during manufacturing by a company. The automatic toll collection system includes a google map that receives a plurality of toll gantry information from a database, reads GPS location data received from the google map device hosting the app, and creates a plurality of trip segments using the GPS location data and time stamp. The system then determines whether the google map device is travelling on a road where toll ought to be collected by comparing the trip segments with the toll gantry information. If the vehicle is passing through a gantry or toll road, the system will then calculate toll charges based on the trip segments and gantry information, generate a toll charge transaction, and notify the mobile user of the toll charge. The tolling systems have relied on a combination of global positioning sensors, terrestrial sensors for error correction, and cellular communications systems for billing. The systems use GPS technology to track logistical vehicles, such as commercial trucks, to calculate tolling fees based on distance travelled. Because of the inherent errors in such GPS sensors, the systems also combined terrestrial sensors at key locations to verify the accuracy of GPS sensor readings. Such terrestrial sensors require extensive capital and time and must be regularly placed to assure accurate capture of information. Furthermore, the systems require each vehicle be equipped with GPS sensors, terrestrial sensors, and a cellular communications device to communicate the captured GPS information so that the vehicle may be billed for the road usage.

No. of Pages : 23 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021019655 A

(19) INDIA

(22) Date of filing of Application :09/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MS-CHARGER: CHARGING MOBILE ON SUNLIGHT

(51) International classification	:H02J0007350000, H04M0001020000, H04M0001210000, H01M0010460000, H04M0019080000	(71)Name of Applicant : 1)MISS: SUKANYA NAGRAJ REDDY Address of Applicant :MAAN BHARANE WASTI NEAR BADODA BANK (PREMSHANTI), MAAN -HINJEWADI ROAD, PUNE-411057, MH, INDIA. E-mail: sukanyar756@gmail.com Adhar no:5803 9384 2847 Maharashtra India 2)Mr. RAJSHEKHAR NAGRAJ REDDY
(31) Priority Document No	:NA	(72)Name of Inventor : 1)MISS: SUKANYA NAGRAJ REDDY 2)Mr. RAJSHEKHAR NAGRAJ REDDY
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

MS-Charger: CHARGING MOBILE ON SUNLIGHT ABSTRACT My Invention MS-Charger is a The solar-powered cell phone is a cell phone wherein a back surface includes more than one solar cell added. The solar cell being in WI-FI / wired communication with a charge controller unit that is in turn in WIFI/wired communication with an energy storage unit and a light sensor. The energy storage unit is in WI-FI/wired communication with an inverter that in turn supplies electricity to a cell phone CPU, cell phone display, and a both SIM card. The solar cell(s) generate electricity when exposed to light, and the electricity generated is either stored on the energy storage unit or is actively used via the cell phone and also Invented solar mobile phone screen. The solar mobile phone screen includes a glass substrate with an advanced antifouling coating, a high quality solar cell, a touch panel electrode and a liquid crystal panel which are laid sequentially from top to bottom. The solar mobile phone screen of the invention, the solar glass is utilized to collect solar energy to provide power for a mobile phone, and therefore, as long as a user is under a sunlight environment, the user can play the mobile phone when the mobile phone is charged, and the use time of the mobile phone can be prolonged, and the solar glass coatings are transparent, and the normal use of the mobile phone will not be affected.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021025085 A

(19) INDIA

(22) Date of filing of Application :15/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : WORKING OF A GESTURE AND VOICE COMMAND CONTROLLED ELECTRIC WHEELCHAIR WITH ULTRASONIC AIDED HALTING SYSTEM.

(51) International classification	:H04W 16/00	(71)Name of Applicant : 1)Acharya Jeet Ketan Address of Applicant :202 A Wing, Kalpana Building, Park Road, Vile Parle (East), Mumbai Maharashtra India 2)Patole Advait Shekhar
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Acharya Jeet Ketan
(87) International Publication No	: NA	2)Patole Advait Shekhar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention has a design of a wheelchair with a different type of emergency braking or halting system. This design enables enhanced safety while sitting on the wheelchair and also while getting up from the wheelchair. The wheelchair does not start until the driver has completely seated or got up from the wheelchair as one of the legs is not directly in front of the ultrasonic sensor which is equipped on the wheelchair to detect the leg to start the rolling of the wheel. Here the driver can just take his legs a little aside to halt the wheelchair in emergency cases. In addition it has a voice controlled system where it uses the spoken instructions given by the driver to manoeuvre the wheelchair which is pre- recorded in the voice detector module. The user can also use the gesture controlled system for driving the wheelchair. This can be done by the user giving hand gestures using an accelerometer sensor which gives directions to the arduino by measuring the angle of tilt of the accelerometer sensor in that direction and hence, the user can manoeuvre the wheelchair. TITLE Working of a gesture and voice command controlled electric wheelchair with ultrasonic aided halting system.

No. of Pages : 17 No. of Claims : 6

(54) Title of the invention : SMART VIRTUAL BUTTON TO CONTROL HOME APPLIANCE FROM ANYWHERE

(51) International classification

:H04W
21/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. Kavita SuryawanshiAddress of Applicant :Serve No141, Near Akurdi Railway
Station, Akurdi Gurudwara Road, Akurdi, Chichwad, Pune
Maharashtra India**2)Dr. Shalaka Parker****3)Mrs. Mansi Kulkarni****4)Dr Roshani Raut****5)Ms. Anuja Rajendra Jadhav**

(72)Name of Inventor :

1)Dr. Kavita Suryawanshi**2)Dr. Shalaka Parker****3)Mrs. Mansi Kulkarni****4)Dr Roshani Raut****5)Ms. Anuja Rajendra Jadhav**

(57) Abstract :

Smart virtual button is a device that can be used to convert conventional appliances into smart devices. The Smart virtual button can be act as a plug and play device. With the help of the Smart virtual button we can measure abnormal activity thanks to the ultrasonic sensor. Smart virtual button also have the heat and humidity sensor to collect the environmental details around the appliances. User can have multiple conditions to operate the devices; we can easily implement using NodeMCU. In the Smart virtual button the heat sensor can measure the temperature where the parameter is between 25 to 30 degrees. The cooling appliances can work otherwise it can be switched off, the main advantage is to reduce electricity bill of the consumer and maintain comfortable temperature.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941016389 A

(19) INDIA

(22) Date of filing of Application :25/04/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : FABRICATION OF NATURAL COMPOSITE MATERIAL WITH EPOXY RESIN AS MATRIX AND CORN FIBER, CHICKEN FEATHER

(51) International classification :A01N25/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Mr. S.GANESHKUMAR
Address of Applicant :DEPT OF MECH. ENGG, MIT,
KALITHEERTHALKUPPAM, PONDICHERRY, INDIA - 605
107. Pondicherry India
(72)**Name of Inventor :**
1)Mr. S.GANESHKUMAR

(57) Abstract :
Not Submitted

No. of Pages : 18 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941047499 A

(19) INDIA

(22) Date of filing of Application :21/11/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : ELECTRO MAGNETIC SPACE ENGINE

(51) International classification	:B64D0027240000, B64G0001400000, F03H0001000000, B64D0027020000, B64G0001420000	(71) Name of Applicant : 1)N. PRAVEEN KUMAR Address of Applicant :17/60C, VARSHA COMPLEX, VIVEKANANDAPURAM, KANYAKUMARI-629702, TAMILNADU, INDIA. Tamil Nadu India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)N. PRAVEEN KUMAR
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Invention of an electric Propulsion system for inter planetary space travel with Solar Powered energy source as the primary propulsion system. The deep space missions will be reliable only with electric propulsion system since fuel is a limited source of energy for propulsion. With cost effective simple design and completely solar powered propulsion system travelling in space between planets will be a part of human civilisation routine. This invention uses, electromagnetic repulsion for propelling through space, so travelling between heavenly bodies like planets, satellites, space stations will be possible with solar power and increased payload capacity.

No. of Pages : 14 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941048328 A

(19) INDIA

(22) Date of filing of Application :26/11/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : TURN DETECTION SYSTEM

(51) International classification	:B60Q0001400000, B60Q0001420000, B62J0006000000, B60W0050080000, G01R0033060000	(71) Name of Applicant : 1)Ekathva Innovations Private Limited Address of Applicant :JNNCE Campus, Navule, Shivamogga, Karnataka - 577204, India. Karnataka India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)VIKAS H C
(33) Name of priority country	:NA	2)KOUSHIK R UDUPA
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A turn detection system (100) configured with a two wheeled vehicle, the system (100) comprising a power supply unit (102); an MEMS gyro sensor (104) configured to detect the turn motion of the vehicle in moment; a plurality of turn indicator switches (106); a processing unit (108); a memory unit (110) coupled with the processing unit (108); a plurality of output control switches (112); and a turn signal indicator unit (114).

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041002476 A

(19) INDIA

(22) Date of filing of Application :20/01/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN SYSTEM OF VOICE-BASED INTERACTIVE BOT FOR RESERVATION AND BOOKINGS

(51) International classification	:G06Q0010020000, G10L0015220000, G10L0015260000, G06Q0020200000, G10L0015080000	(71)Name of Applicant : 1)BMS COLLEGE OF ENGINEERING Address of Applicant :No.1908, Bull temple road, Bangalore 560019 Karnataka India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)BHARATH S.
(33) Name of priority country	:NA	2)C.GURURAJ
(86) International Application No	:NA	3)R.H. PRANEETH
Filing Date	:NA	4)TEJESH M.
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a voice-based interactive bot for reservation and bookings. The present invention includes a single-board computer(102), an LCD screen(108), a sensor(110), a microphone(112), a first speaker(114), a second speaker(116), a networking device(118) and a cloud server computer(120).A processing unit(106) controls and display data on the LCD screen(108). The sensor(110) detects the presence of a user. The microphone(112) receives a voice command from the user for booking and reservation and sends voice to the processing unit(106) of the single-board computer(102). The cloud server computer(120) is connected to the single-board computer(102) through the networking device(118). The processing unit(106) of the single-board computer(102) sends voice to the cloud server processing unit(124) that converts the voice into text and vice-versa and then sends back a suitable reply through the first speaker(114) and the second speaker(116) to the user.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041004171 A

(19) INDIA

(22) Date of filing of Application :30/01/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SOLAR HEATING ARRANGEMENT FOR HEATING WATER

(51) International classification	:F24D0017000000, F24D0011000000, F24D0011020000, A47J0031460000, F24S0090100000	(71)Name of Applicant : 1)KLS Gogte Institute of Technology Address of Applicant :Udyambag, Belagavi Karnataka India 2)Dr. Maharudra. S. Patil
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Maharudra. S. Patil
(32) Priority Date	:NA	2)Venkatesh Satwik
(33) Name of priority country	:NA	3)Kiran Laxman Tukkar
(86) International Application No	:NA	4)Vaibhav Vijay Tavildar
Filing Date	:NA	5)Mallikarjun Sajjanshetty
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a solar heating arrangement for heating water. The said arrangement comprises storage tank for holding water. Storage tank comprises first and second parts having first and second volumes of water of water respectively, thermally-insulated wall separating first part from second part, and one-way valve arranged in thermally-insulated wall to enable flow of water from first to second part. Furthermore, said arrangement comprises first heating element and the second heating element to absorb solar energy and use it for heating the first and second volumes of water, respectively; electrical heating element arranged for heating second volume of water; an outlet pipe connected with second part; and solenoid valve arranged at entry of outlet pipe, operable to open and close to allow hot water to flow from second part to end-point, and prevent hot water to flow from entry of outlet pipe towards end-point, respectively. FIG. 1

No. of Pages : 19 No. of Claims : 4

(54) Title of the invention : ANTISEPTIC RUBBER MEMBRANE

(51) International classification	:F16F 13/10	(71) Name of Applicant : 1)Ms. JENY JIMMY
(31) Priority Document No	:NA	Address of Applicant :70, Yesoram Tejus Apartments,
(32) Priority Date	:NA	Vennala High School Road, Kochi, Kerala-682028. Kerala India
(33) Name of priority country	:NA	2)Dr.ANCHANA DEVI.C
(86) International Application No	:NA	3)Dr.PAVITHRA AMRITKUMAR
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Ms. JENY JIMMY
(61) Patent of Addition to Application Number	:NA	2)Dr.ANCHANA DEVI.C
Filing Date	:NA	3)Dr.PAVITHRA AMRITKUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT A method for a biodegradable antiseptic rubber membrane comprising of collecting natural rubber latex (99.3%) added with ammonia 5 (0.7%) to prevent coagulation and removing cytotoxic proteins by treating with 0.1 wt % urea in the presence of 1 wt % sodium dodecyl sulfate (SDS) at room temperature for 60 minutes and centrifuging at 8000 g to further remove cytotoxic protein contents. The obtained creamy fraction is reconstituted in 1 wt % sodium dedecyl sulfate (SDS) to obtain final 10 concentration of 60% rubber hydrocarbon. Four parts of thus treated and deproteinised natural rubber latex (60% rubber hydrocarbon) is impregnated with one part of 5% chloroxylenol as antimicrobial agent along with small fractions (0.1% or 0.1ml) of pine or castor oil as stabilising agents forming a composition. The composition is then cast or 15 moulded into thin sheet of any desired shape by drying at temperature in the range of 50 -60 degree celsius over hot plate and then setting or curing said thin sheet forming a thin membrane separated out from the cast or mould. 26

No. of Pages : 26 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041020405 A

(19) INDIA

(22) Date of filing of Application :14/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PROTECTIVE MATERIAL FOR MULTI-PURPOSE APPLICATIONS

(51) International classification :G01N0021780000,
H01L0031028000,
A61M0016060000,
A62D0009000000,
A62B0023020000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)THEVASAHAYAM AROCKIADOSS
Address of Applicant :ASSISTANT PROFESSOR AND
HEAD IN CHARGE, DEPARTMENT OF PHYSICS,
MADURAI KAMARAJ UNIVERSITY, PALKALAI NAGAR,
MADURAI, TAMIL NADU, INDIA 625021. Tamil Nadu India

(72)Name of Inventor :
1)THEVASAHAYAM AROCKIADOSS

(57) Abstract :

TITLE: A PROTECTIVE MATERIAL FOR MULTI-PURPOSE APPLICATIONS APPLICANT: THEVASAHAYAM AROCKIADOSS ABSTRACT The present invention discloses a protective material adapted to be manufactured as face mask, filter in Air condition, window screens in buildings/industries/transport vehicles and the like, to deliver pure oxygen and capable of protecting from inhalation of hazards atmosphere-fumes, vapours, Gases, particulate matter, dust, microorganisms in particular SARS CoV2. The protective material of the present invention comprises of a fabric characterized in presence of atleast two windows comprising of first window, optional second window and third window. The first window is adapted to dispose an oxygen scavenge element coiled by a copper wire and configured to i. absorb O₂ from atmosphere and release inside thereby delivering pure oxygen in which release of oxygen shall be provided either by wavelength based released materials (LED) or alternatively electromagnetic nano-materials or alternatively by photo catalytic materials and ii. deactivate micro organism upon supplying AC frequency on the copper wire; The optional second window is adapted to dispose an air pressure sensor (BAP) / O₂ / CO₂ sensor based regulator and configured to regulate oxygen as per personTMs requirement by integrating with the oxygen scavenge element; The third window is adapted to dispose an Rechargeable battery along with circuit board and configured to assist release of oxygen by wavelength based released materials LED or by DC to AC conversion or by photo catalytic splitting and configured to assists AC frequency modulation, wifi and/or Bluetooth setup for mobile applications by integrating with the oxygen scavenge element and the air pressure sensor (BAP) / O₂ / CO₂ sensor based regulator.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041020997 A

(19) INDIA

(22) Date of filing of Application :19/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HYBRID INDEPENDENT TANDEM HEAT EXCHANGER SYSTEM

(51) International classification :F28D0001053000,
F24F0011300000,
F25B0049020000,
F28D0021000000,
B60H0001000000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)WERNER FINLEY PRIVATE LIMITED

Address of Applicant :No. A-105, 3RD MAIN, 2ND STAGE,
PEENYA INDUSTRIAL AREA, BANGALORE-560058,
KARNATAKA, INDIA, Karnataka India

(72)Name of Inventor :

1)Krushnakanth E

(57) Abstract :

TITLE: HYBRID INDEPENDENT TANDEM HEAT EXCHANGER SYSTEM • 7. ABSTRACT The present invention pertains to the hybrid independent tandem heat exchanger system (300) comprising; at least 2 heat exchangers (302) for the required heat transfer, at least 2 expansion (305) and non-return valves (304) for the flow of refrigerant through the circuit, a plurality of solenoid valves (306) for the control of refrigerant flow, cooling units (308) for evaporation of liquid/refrigerant, at least two compressors (310) fluidly coupled to all the other components within the proposed heat exchanger system, a pressure equalization line fluidly coupling the first compressor and the second compressor and an oil equalization line / oil separation line of the individual compressors. The proposed circuit arrangement enables to use the heat exchanger system as either independent or tandem system for increased heat transfer using the complete area of the second heat exchanger at lower loads. Figure related to Abstract is FIG. 3

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041021353 A

(19) INDIA

(22) Date of filing of Application :21/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MODIFIED RELEASE COMPOSITIONS AND METHODS OF MEMANTINE HCL EXTENDED RELEASE, DONEPEZIL HCL IMMEDIATE RELEASE PELLETS

(51) International classification	:A61K0009200000, A61K0009500000, A61K0031130000, A61K0031445000, A61K0009160000	(71) Name of Applicant : 1)PELLETS PHARMA LIMITED Address of Applicant :Plot No.784, Vivekananda Nagar, Kukatpally, Hyderabad, Telangana-500072, India. Telangana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)SREELATHA PATHURU
(33) Name of priority country	:NA	2)G BASAVA SANKAR
(86) International Application No	:NA	3)Dr G S VALLURI
Filing Date	:NA	4)Dr C RAGHUNADHA GUPTA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

MODIFIED RELEASE COMPOSITIONS AND METHODS OF MEMANTINE HCL EXTENDED RELEASE, DONEPEZIL HCL IMMEDIATE RELEASE PELLETS Exemplary embodiments of the present disclosure are directed towards modified release compositions and methods of Memantine HCl-ER, Donepezil HCl-IR pellets. The composition comprising: a seal coated core; a first drug layer applied to the seal coated core comprising Memantine HCl-ER with pharmaceutically acceptable excipient(s) to provide a drug coated pellet; a sub coat applied on the drug coated pellet using rate controlling polymers to provide a sub-coated pellet; a polymer coat applied on the sub-coated pellet using rate controlling polymers to provide a polymer coated pellet; a second drug layer of Memantine HCl-ER with pharmaceutically acceptable excipient(s) applied on the polymer coated pellet to provide an intermediate 1; a second seal coat applied on the intermediate 1 to provide a seal coated intermediate 1; and at least one coat of Donepezil HCl-IR drug layer with pharmaceutically acceptable excipient(s) coated on the seal coated intermediate 1 to provide the modified release pharmaceutical composition. FIG-1

No. of Pages : 46 No. of Claims : 10

(54) Title of the invention : SYNTHESIS OF AMINOACID CONJUGATE OF TRIS(HYDROXYMETHYL)PHOSPHINE AND NANOPARTICLE COMPOSITION THEREOF

(51) International classification	:A61K 47/54	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DHANVANTARI NANO AYUSHADI PVT. LTD.,
(32) Priority Date	:NA	Address of Applicant :No. 8/34, Neelakanta Metha Street, T.
(33) Name of priority country	:NA	Nagar, Chennai, Tamil Nadu, India, 600017 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DEEPAK ABHAYAKUMAR
(87) International Publication No	: NA	2)D.M.DARSHA KUMAR
(61) Patent of Addition to Application Number	:NA	3)RASHMI
Filing Date	:NA	4)KATTESH V. KATTI
(62) Divisional to Application Number	:NA	5)S. ABHAYA KUMAR
Filing Date	:NA	6)KAVITA KATTI

(57) Abstract :

The invention relates to a method of synthesis of trimeric amino acid conjugate of Tris(hydroxymethyl)Phosphine (THP). The present invention further relates to a one pot synthesis of the Novel amino acid conjugate of THP. It further relates to the metal nanoparticles stabilized by biopolymer, preferably silver nanoparticles prepared by reduction of silver salt with amino acid-conjugate of THP as reducing agent to yield Silver nanoparticles of the amino acid, wherein the amino acids preferably are Alanine and Arginine. Additionally the invention relates to silver nanoparticles stabilized by the biopolymer as antimicrobial agent. Formula 3.

No. of Pages : 51 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041024154 A

(19) INDIA

(22) Date of filing of Application :09/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PORTABLE AND MODULAR ISOLATION CUM ICU WARD

(51) International classification	:A61K 36/88	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ASHA MANJUNATHA SWAMY
(32) Priority Date	:NA	Address of Applicant :VERTEX CONSULTING
(33) Name of priority country	:NA	ENGINEERS (INDIA) PVT LTD., #64, Siddaiah Puranik Road,
(86) International Application No	:NA	Bimajothi LIC Colony, Shankarmutt Circle, Basaveshwaranagara,
Filing Date	:NA	Bangalore 560 069, Karnataka, India Karnataka India
(87) International Publication No	: NA	2)BANGARAPPA MANJUNATHA SWAMY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ASHA MANJUNATHA SWAMY
(62) Divisional to Application Number	:NA	2)BANGARAPPA MANJUNATHA SWAMY
Filing Date	:NA	

(57) Abstract :

ABSTRACT PORTABLE AND MODULAR ISOLATION CUM ICU WARD The present invention relates to a portable/movable Isolation cum ICU ward unit comprises of a rigid, structure, which can be extended and can be easily erected and dismantled, comprising of at least one bearing floor without its own means of motion, heat-insulating side walls, end walls and ceiling and a fixed, crosswise partition and means to divide the ward unit into plurality of zones, namely a utilities zone and a patient and nursing zone, and a means to provide air conditioned, negative pressure with heat and sound insulation between said zones and outer atmosphere. Fig.01

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041026654 A

(19) INDIA

(22) Date of filing of Application :24/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FUNCTIONAL MODIFICATION OF GEAR TEETH FOR BETTER WORK

(51) International classification	:B23F 19/10	(71)Name of Applicant : 1)sheik umar sahith
(31) Priority Document No	:NA	Address of Applicant :2/222 mullippatty, thirumalaisamudram,
(32) Priority Date	:NA	TRICHY. Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)sheik umar sahith
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

FUNCTIONAL MODIFICATION OF GEAR TEETH FOR BETTER WORK By S N SHEIK UMAR SAHITH Gears are a set of toothed wheels used for power transmission from one place another place. It may be used as power reduction wheels or as power generation wheels. OLD MODEL GEAR TEETH The teeth of present gear wheels are found as may be having sharp teeth or blunt ends. But these teeth are not obeying the principle movement of bodies in circular path leads to the following problems. 1. Errors in engagement and disengagement of gear teeth (delay in engagement, rapid disengagement) 2. Changes in friction at different points of gear teeth. 3. Since the engagement gear teeth of two wheel are loose there will be shake leading to positional errors and error in final result. 4. An important disadvantage is the wearing of teeth will be high. REDESIGNED GEAR TEETH IN GEAR WHEELS Based on the law movement of bodies in a circular path the teeth of one wheel should be exposed to another wheel by a circular interface. This is done by making half circle teeth one gear wheel and a gear wheel which teeth was not having half circle. 1. The gear wheel teeth with half circle may be called as donor gear (or flower model gear) 2. The gear wheel teeth without half circle may be called as acceptor gear (or teeth model gear) ADVANTAGES 1. Both gear wheels will suit perfectly and there will not be any shake. 2. Friction will be less. 3. Engagement and disengagement of gear teeth will be normal as per physical principles. 4. Adjacent teeth can be positioned even with gap also. And over all we can apply this model where ever it is necessary.

No. of Pages : 18 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041027684 A

(19) INDIA

(22) Date of filing of Application :30/06/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ANALYSIS AND THE DEVELOPMENT OF INTELLIGENT APP CREATIONWITH ITS FEATURES

(51) International classification	:G06Q 50/00	(71)Name of Applicant : 1)Ms.S.BHUVANA Address of Applicant :Assistant Professor Department of Computer Science and Engineering Sriram Engineering College Thiruvallur District Tamilnadu Tamil Nadu India
(31) Priority Document No	:NA	2)Dr.M.SUDHA
(32) Priority Date	:NA	3)Mr.L.Maria Michael Visuwasam
(33) Name of priority country	:NA	4)Dr.J.Amutharaj
(86) International Application No	:NA	5)Dr.L.ARUN RAJ
Filing Date	:NA	6)Mr.V.Manimaran
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Ms.S.BHUVANA
Filing Date	:NA	2)Dr.M.SUDHA
(62) Divisional to Application Number	:NA	3)Mr.L.Maria Michael Visuwasam
Filing Date	:NA	4)Dr.J.Amutharaj
		5)Dr.L.ARUN RAJ
		6)Mr.V.Manimaran

(57) Abstract :

Intelligent apps are used in our day to day life. It is used in Healthcare, Media, Information Technology, Finance, Business & private and Public Sectors etc., With the correct perfection. Intelligent App is one of the application of the combination of Artificial Intelligence & the machine learning techniques. I-Apps is a contemporary invention of artificial Intelligence and helpful to executives under business.

No. of Pages : 11 No. of Claims : 4

(54) Title of the invention : DYNAMIC HANDSHAKE MECHANISM IN A LIGHT FIDELITY BASED HYBRID NETWORK

(51) International classification

:H04W
36/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)S. Arun Mozhi SelviAddress of Applicant :Research Scholar, Department of
Computer Science and Engineering, Manonmaniam Sundaranar
University, Tirunelveli Tamil Nadu India**2)R.S. Rajesh****3)J. Stalin****4)T. Ananth Kumar****5)P. Sivananaintha perumal**

(72)Name of Inventor :

1)S. Arun Mozhi Selvi**2)R.S. Rajesh****3)J. Stalin****4)T. Ananth Kumar****5)P. Sivananaintha perumal**

(57) Abstract :

The present invention relates to an efficient handshake technique in a handover between Wireless Fidelity and Light Fidelity communication, more particularly improving the efficiency by involving WiLi_REQ [101a] and WiLi_ACK [101b] frames in the environment, automatically, comprising: a central network controller (CNC) [100]; a plurality of visible light communication access points [101]; and a plurality of wireless fidelity communication access points [102]; implemented to provide an efficient handshake mechanism in handover between light fidelity (Li-Fi) and wireless fidelity (Wi-Fi) based transmitters and receivers through access points.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041029157 A

(19) INDIA

(22) Date of filing of Application :09/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FUNCTIONAL MODIFICATION OF GEAR TEETH FOR HIGH PERFORMANCE

(51) International classification	:C21D 9/32	(71)Name of Applicant : 1)S N SHEIK UMAR SAHITH
(31) Priority Document No	:NA	Address of Applicant :2/222 mullippatty, Thirumalaisamudram, Trichy Tamil Nadu India
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)S N SHEIK UMAR SAHITH
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

FUNCTIONAL MODIFICATION OF GEAR TEETH FOR HIGH PERFORMANCE INVENTED By S N SHEIK UMAR SAHITH
Gears are a set of toothed wheels used for power transmission from one place another place. It may be used as power reduction wheels or as power generation wheels. **OLD MODEL GEAR TEETH** The teeth of present gear wheels are found as may be having sharp teeth or blunt ends. But these teeth are not obeying the principle movement of bodies in circular path leads to the following problems. 1. Errors in engagement and disengagement of gear teeth (delay in engagement, rapid disengagement) 2. Changes in friction at different points of gear teeth. 3. Since the engagement gear teeth of two wheel are loose there will be shake leading to positional errors and error in final result. 4. An important disadvantage is the wearing of teeth will be high. **REDESIGNED GEAR TEETH IN GEAR WHEELS** Based on the law movement of bodies in a circular path the teeth of one wheel should be exposed to another wheel by a circular interface. This is done by making half circle teeth one gear wheel and a gear wheel which teeth was not having half circle. **METHOD OF MAKING GEAR TEETH** Gear teeth made by using a model called Fish fin model • . In this method a square area belong to radius of a circle $r \bullet$ is converted in to teeth by making arcs having 90° angle at two different positions. Which is explained below in the diagram. **ADVANTAGES** 1. Gear wheels of this teeth model will suit perfectly without any shake. 2. Friction will be less. 3. Engagement and disengagement of gear teeth will be normal as per physical principles. 4. Adjacent teeth can be positioned even with gap also. And over all we can apply this model where ever it is necessary

No. of Pages : 18 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041029162 A

(19) INDIA

(22) Date of filing of Application :09/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTI SLOPE SOLAR STILL WITH PCM AND WITH AND WITHOUT FRESNEL LENS

(51) International classification	:C02F	(71) Name of Applicant :
	1/14	1)Ms. R. VIJI
(31) Priority Document No	:NA	Address of Applicant :DET OF MECH. ENGG, MIT,
(32) Priority Date	:NA	KALITHEERTHALKUPPAM, PONDICHERRY, INDIA 605
(33) Name of priority country	:NA	107. Pondicherry India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Ms. R. VIJI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

NA

No. of Pages : 0 No. of Claims : 0

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030100 A

(19) INDIA

(22) Date of filing of Application :15/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DESIGN AND DEVELOPMENT OF COVID-19 DIAGNOSTIC SYSTEM

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	5/00	1)PROF. RAVI KUMAR PULI
(32) Priority Date	:NA	Address of Applicant :H-NO 12-1-463/2, PLOT NO. 2
(33) Name of priority country	:NA	FATHULGUDA, OPPOSITE VASANTH VIHAR FUNCTION
(86) International Application No	:NA	HALL, BANDLAGUDA, ANAND NAGAR, NAGOLE,
Filing Date	:NA	MEDCHAL DISTRICT, HYDERABAD, TELAGANA, INDIA
(87) International Publication No	: NA	500068 Telangana India
(61) Patent of Addition to Application Number	:NA	2)AASHRAY RAJ MATHUR
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)AASHRAY RAJ MATHUR
Filing Date	:NA	

(57) Abstract :

Covid-19 Diagnostic System is a system that can detect likelihood of the respiratory diseases (if any) like Covid-19 (i.e. pneumonia like symptoms) etc, measure oxygen saturation and temperature of the patient. A Covid-19 Diagnostic System includes a testing stand which comprises of stethoscopes connected to a microphone to listen and record the respiratory sounds of the patient, a pulse oximeter to measure the oxygen saturation level of the patient, an IR temperature sensor to measure the temperature of the patient, two OLED displays to display the real-time results of oxygen saturation and temperature of the patient, buzzer to beep in case of abnormal readings and a computer which comprises of a machine learning software i.e. Covid-19 Diagnostic Management System to combine and analyse all readings from the three parameters to produce the final test result.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030114 A

(19) INDIA

(22) Date of filing of Application :15/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTIFUNCTIONAL OPERATING DEVICE

(51) International classification	:H01H	(71)Name of Applicant :
(31) Priority Document No	25/04	1)A. SAIBHARGAV
(32) Priority Date	:NA	Address of Applicant :Assistant Professor, Department of
(33) Name of priority country	:NA	Mechanical Engineering, CMR Engineering College, Kandlakoya,
(86) International Application No	:NA	Medchal road, Hyderabad, Telangana -501401, India. Telangana
Filing Date	:NA	India
(87) International Publication No	: NA	2)T. VIJAY KUMAR
(61) Patent of Addition to Application Number	:NA	3)R. CHANDRA SEKHAR REDDY
Filing Date	:NA	4)V. MUKESH REDDY
(62) Divisional to Application Number	:NA	5)K. SRINIVASA REDDY
Filing Date	:NA	(72)Name of Inventor :
		1)A. SAIBHARGAV
		2)T. VIJAY KUMAR
		3)R. CHANDRA SEKHAR REDDY
		4)V. MUKESH REDDY
		5)K. SRINIVASA REDDY

(57) Abstract :

MULTIFUNCTIONAL OPERATING DEVICE • Exemplary embodiments of the present disclosure are directed towards a multifunctional operating device, comprising a compressor configured to produce high pressure and hence high temperature enable the refrigerants to reject the heat present in a condenser, the condenser configured to provide a heat transfer surface to pass heat from the refrigerant to the condenser; an expansion valve configured to supply a proper amount of refrigerant to an evaporator after reducing the pressure in the expansion valve considerably; a water tank configured to provide hot water where the compressed refrigerant is having high temperature coming out from discharge line of the compressor liberates heat to water present inside the hot chamber, the water tank configured to provide cold water where the refrigerant absorbs heat from the water inside the tank which is at room temperature and reduces its temperature; and air conditioning unit configured to facilitate the movement of air across the conditioned space. Fig.1

No. of Pages : 12 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030121 A

(19) INDIA

(22) Date of filing of Application :15/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR REMOTE HEALTH MONITORING AND MANAGEMENT

(51) International classification	:A61B 5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MOHAMMAD JABIRULLAH
(32) Priority Date	:NA	Address of Applicant :Associate Professor, Department of
(33) Name of priority country	:NA	ECE, CMR Engineering College, Kandlakoya, Medchal road,
(86) International Application No	:NA	Hyderabad- 501401, Telangana, India Telangana India
Filing Date	:NA	2)Dr. MALOTHU AMRU
(87) International Publication No	: NA	3)Dr. A. SRINIVASULA REDDY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MOHAMMAD JABIRULLAH
(62) Divisional to Application Number	:NA	2)Dr. MALOTHU AMRU
Filing Date	:NA	3)Dr. A. SRINIVASULA REDDY

(57) Abstract :

SYSTEM AND METHOD FOR REMOTE HEALTH MONITORING AND MANAGEMENT Exemplary embodiments of the present disclosure are directed towards a system and method for remote health monitoring and management. The system comprising: a plurality of sensors attached to a patientTMs body configured to provide a sensor data to a processing device, whereby the processing device is configured to transmit sensor data from the plurality of sensors attached to the patientTMs body and process, analyze, store and transmit the sensor data to a first computing device, a cloud server and a second computing device; the first computing device, the second computing device and a cloud server communicated over a network ; and an alert unit configured to provide a buzz and an alert to indicate if any abnormality is detected from the sensor data. FIG.1

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030138 A

(19) INDIA

(22) Date of filing of Application :15/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : OPEN PROFILE BLADES FOR HORIZONTAL AXIS WIND TURBINE

(51) International classification	:F03D 3/06	(71)Name of Applicant : 1)S. SUDALAI
(31) Priority Document No	:NA	Address of Applicant :Centre for Pollution Control and
(32) Priority Date	:NA	Environmental Engineering, School of Engineering and
(33) Name of priority country	:NA	Technology, Pondicherry University, Kalapet, Pondicherry India
(86) International Application No	:NA	2)B. CHITRA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)N. FEDAL CASTRO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Open profile blades for horizontal axis wind turbine comprises closed leading edge 1 and open trailing edge 6 with suction part 7 and pressure part 8 attached at the closed leading edge, whereas the said open trailing edge may be fully opened at the trailing edge along the length of the blade or partially closed 10 from the tip of the blade. The present invention comprises stiffeners 11 provided at intervals along the length of the blade to enhance the structural strength of the blade. The present invention with new open profile airfoil design of blade enhances the efficiency of horizontal axis wind turbine. The present invention with new open profile airfoil design of blade for horizontal axis wind turbine will result in reduction in time and cost of manufacturing of blade.

No. of Pages : 19 No. of Claims : 8

(54) Title of the invention : IRIS A NOVEL APPROACH TO BLIND FRIENDLY KITCHEN

(51) International classification

:H05K
3/42

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Mr. Jacob JohnAddress of Applicant :Department of Computer Science,
Saintgits College of Engineering Kottukulam Hills, Pathamuttom
P.O. Kottayam, Kerala. Pin 686532. Kerala India**2)Mr. Jithu Kailas****3)Ms. Joecee P Joy****4)Mr. Joel Thomas George****5)Er. Reni K Cherian**

(72)Name of Inventor :

1)Mr. Jacob John**2)Mr. Jithu Kailas****3)Ms. Joecee P Joy****4)Mr. Joel Thomas George****5)Er. Reni K Cherian**

(57) Abstract :

ABSTRACT In our world, visually impaired people face a lot of difficulties to live without any support of others; they need support from others even for their basic needs like food preparation, identifying different objects, etc. IRIS application system developed using technologies like IoT, and Deep learning can decrease their difficulties up to a great extent, it gives an audio output about the details of content present in a particular vessel or kitchen container. Visually impaired people have difficulties in recognizing the items present in a container, so by implementing this system, it will be more helpful for them since this system is capable of speaking out the contents present inside a container by just touching the container by hand. A Quick Bucket list function is provided to find commodities with diminishing quantities. So, it gives an alert message when a particular commodity is below a present threshold weight. An object detection feature is implemented for detecting various objects in the kitchen and their everyday surroundings. An Iris assistive feature is also included in our App to guide the visually impaired people by our sighted volunteers in a group chat manner. The App is designed in a manner so that both ordinary people and visually challenged people can utilize our application for easy cooking and shopping groceries. This project mainly aims at bringing a blind-friendly kitchen environment.

No. of Pages : 16 No. of Claims : 6

(54) Title of the invention : IOT BASED INTELLIGENT SOLAR WATER HEATER

(51) International classification

:F24S
60/30

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr.Ch.Sreedhar

Address of Applicant :Professor&Principal Department of Mechanical Engineering A1 Global Institute of Engineering & Technology Markapur-523316,Prakasam-Dist,Andhra Pradesh State 9948508114 Andhra Pradesh India

2)Mr.S.Govindarajan**3)Mr.Raushan Kumar Singh****4)Dr.V.Sivabharathi****5)Dr.K.R.Vijayakumar****6)Dr.J.Jayaseelan****7)Ms.Chandla Ellis****8)Dr.Ram Subbiah****9)Dr.N.Sateesh****10)Dr.J.Saranya****11)Mr.H.Manikandan****12)Mr.N.Nagarajan****13)Dr.M.Ramarao****14)Dr.R.Delshi Howsalaya Devi**

(72)Name of Inventor :

1)Dr.Ch.Sreedhar**2)Mr.S.Govindarajan****3)Mr.Raushan Kumar Singh****4)Dr.V.Sivabharathi****5)Dr.K.R.Vijayakumar****6)Dr.J.Jayaseelan****7)Ms.Chandla Ellis****8)Dr.Ram Subbiah****9)Dr.N.Sateesh****10)Dr.J.Saranya****11)Mr.H.Manikandan****12)Mr.N.Nagarajan****13)Dr.M.Ramarao****14)Dr.R.Delshi Howsalaya Devi**

(57) Abstract :

The invention IOT BASED INTELLIGENT SOLAR WATER HEATER • is based on the IoT platform to control and monitor the water temperature from anywhere and anytime with the help of a wireless communication module and an individual mobile monitor terminal. This invention integrated with the electric water heater remote control system which included control device, controller and this unit connected with the temperature detection circuit, a heating control circuit and a wireless fidelity (WIFI) module. Various sensors are used with this invention to monitor temperature and environment and the same is recorded with a suitable devices. The WIFI module is connected with a router in a wireless mode, the router is connected with an user terminal device and a network server in the wireless mode, and the user terminal device remotely controls an electric water heater to heat water of the water tank through the network server.

No. of Pages : 17 No. of Claims : 5

(54) Title of the invention : AN IMPROVED BELBIC CONTROLLER FOR PMBLDC MOTOR DRIVES USING EMOTIONAL LEARNING TECHNIQUES

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:H02K</p> <p>1/14</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.B.Gunapriya Address of Applicant :D/o. S.Balan, Associate Professor, Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru, Karnataka, India - 560103. Karnataka India</p> <p>2)M.Suresh</p> <p>3)M.Karthik</p> <p>4)S.Suganya</p> <p>5)Dr.V.Priya</p> <p>6)K.Kathiresan</p> <p>7)Dr.R.Senthil Kumar</p> <p>8)Dr. M. Mohammadha Hussaini</p> <p>9)S.Ramasami</p> <p>10)R.Rajarajan</p> <p>11)Dr.Hitesh Panchal</p> <p>12)Dr.R.Jeyabharath</p> <p>13)Dr.P.Veena</p> <p>14)Dr.R.Nandakumar</p> <p>15)Dr.S.Saravanan</p> <p>16)Dr.R.Mohan Das</p> <p>(72)Name of Inventor :</p> <p>1)Dr.B.Gunapriya</p> <p>2)M.Suresh</p> <p>3)M.Karthik</p> <p>4)S.Suganya</p> <p>5)Dr.V.Priya</p> <p>6)K.Kathiresan</p> <p>7)Dr.R.Senthil Kumar</p> <p>8)Dr. M. Mohammadha Hussaini</p> <p>9)S.Ramasami</p> <p>10)R.Rajarajan</p> <p>11)Dr.Hitesh Panchal</p> <p>12)Dr.R.Jeyabharath</p> <p>13)Dr.P.Veena</p> <p>14)Dr.R.Nandakumar</p> <p>15)Dr.S.Saravanan</p> <p>16)Dr.R.Mohan Das</p>
--	--	---

(57) Abstract :

To overcome the limitations of the conventional controllers, this research work deals with various techniques for controlling the speed of the PMBLDCM with improved performance. The main objective of this research work is to study the speed control of PMBLDCM and analyse its speed performance using Proportional Integral (PI) controller, Anti-windup PI (AWPI) controller with tracking, Fuzzy gain scheduling (FGS), Adaptive Neuro-Fuzzy Inference System (ANFIS), Brain Emotional Learning Based Intelligent Controller (BELBIC) and Improved BELBIC (IBELBIC) to produce the better output performance parameters. PMBLDCM drive system based on the above mentioned controllers is modelled using Matlab/Simulink and various speed parameters are analysed. For the dynamic analysis, the motor runs under various load conditions and at various set speeds. During run time at 0.5 sec, load is increased. Finally, IBELBIC based PMBLDCM drive system is implemented in real-time hardware setup and its performance is studied.

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030798 A

(19) INDIA

(22) Date of filing of Application :20/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : WEARABLE GAUNTLET AND METHODS OF ENSURING WOMEN SAFETY •

(51) International classification	:H04N 19/146	(71) Name of Applicant : 1)Mr. RAHUL DHINAKARAN
(31) Priority Document No	:NA	Address of Applicant :Plot no 153/2, Ground floor, Balaji
(32) Priority Date	:NA	Street,Srinivasa Nagar, Madipakkam, Chennai Tamil Nadu India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)Mr. RAHUL DHINAKARAN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system and method of providing safety to woman, more particularly, a wearable gauntlet provisioned with multiple safety aiding tools autonomously activated in a simultaneous manner to ensure the safety of woman under distress situation, comprising a wristband elastic [100]; a central microcontroller [300]; a triggering device; a video recording device; a location tracking device; a battery [500]; and an internet server [600]; the said triggering device activates sequential safety tools in the order of, raising a high-decibel alarm, ejecting self-protective tool from sheath and sprays the nonpoisonous, mild anesthetic gas when heart-rate sensing device measures the classified abnormal values; the said video recording device forwards the recorded video information to the said internet server [600], wirelessly; the said location tracking device automatically forwards the location information in the form of text message to the registered mobile phone communication device. Fig. 1

No. of Pages : 20 No. of Claims : 8

(54) Title of the invention : AN INTERNET OF THINGS (IOT) DEVICE FOR ASSISTING IN PHYSIOTHERAPY FOR PATIENTS

(51) International classification	:H04W 4/70	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Deepika Gunasekaran
(32) Priority Date	:NA	Address of Applicant :No 3D, Thaneer thotti street, samiyar medai, Irugur, Coimbatore 641103 Tamil Nadu India
(33) Name of priority country	:NA	2)Krishna Sivanand
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Deepika Gunasekaran
(87) International Publication No	: NA	2)Krishna Sivanand
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Digital Monitoring kit for limb physiotherapy rehabilitation for patients facing challenges for movement of limbs and help them to measure the improvements in their motor skills is provided. The physiotherapy and the solution have a self calibration mechanism to adapt to different users. The treatment is delivered in the form of glove and can detect the movement of the limbs, digits, and other muscles and help the therapists/caregivers to measure the progress in the process. An algorithm to map the patient performance and bring up the games which shall help to improve the performance of the treatment. It can help the patients to be rehabilitated without the help of a physiotherapists at lesser cost. The current method which involves physiotherapy requires a skilled professional to assist the patient in massage and in the movement of the limbs and is expected to provide an economical yet effective treatment to patients.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030856 A

(19) INDIA

(22) Date of filing of Application :20/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CONTROL AND DETECT OF PEST FOR SMART FARMING USING INTERNET OF THINGS

(51) International classification	:H04N 5/23	(71)Name of Applicant : 1)VIJAYARAGAVAN Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF EEE, MAILAM ENGINEERING COLLEGE, MAILAM Tamil Nadu India
(31) Priority Document No	:NA	2)Mr. VENKATASAMY.C.V
(32) Priority Date	:NA	3)Mr. RAMESH.S
(33) Name of priority country	:NA	4)Mrs. RAMATHILAGAM.B
(86) International Application No	:NA	5)Mrs. NISHAVITHRLN
Filing Date	:NA	6)Mr. DHANASEKARAN.K
(87) International Publication No	: NA	7)Ms. NITHYA.R
(61) Patent of Addition to Application Number	:NA	8)Mrs.DHEEPA.B
Filing Date	:NA	9)Mr.K.VINOTH
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mr. VENKATASAMY.C.V
		2)Mr. RAMESH.S
		3)Mrs. RAMATHILAGAM.B
		4)Mrs. NISHAVITHRLN
		5)Mr. DHANASEKARAN.K
		6)Ms. NITHYA.R
		7)Mrs.DHEEPA.B
		8)Mr.K.VINOTH

(57) Abstract :

Agriculture is done manually in the new method so that farmers have more risk of failing. Now one day, because of more waste and disease in the nation, farming is raising fewer. The main farmers in India are sugarcane growers but have struggled to yield from sugarcane bugs and larvae. The original design was built with an acoustic sensor and a PIR sensor to prevent this scenario. Arduino was used for the surveillance of noise and temperature in this design system. The question can then be quickly condensed and overcome.

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030858 A

(19) INDIA

(22) Date of filing of Application :20/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR CONGESTION MANAGEMENT IN POWER SYSTEMS USING PARALLEL COMPUTING

(51) International classification	:G06F 12/02	(71)Name of Applicant : 1)V. Kiran Babu Address of Applicant :Department of EEE, Koneru Lakshmaiah Education Foundation, KLEF, Guntur, AP, INDIA, 522502. Andhra Pradesh India
(31) Priority Document No	:NA	2)P. Srinivasa Varma
(32) Priority Date	:NA	3)R B R Prakash
(33) Name of priority country	:NA	4)A. Pandian
(86) International Application No	:NA	5)M. Kiran Kumar
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)V. Kiran Babu
(61) Patent of Addition to Application Number	:NA	2)P. Srinivasa Varma
Filing Date	:NA	3)R B R Prakash
(62) Divisional to Application Number	:NA	4)A. Pandian
Filing Date	:NA	5)M. Kiran Kumar

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a method for congestion management in power systems using parallel computing comprising of: obtaining two sets of pareto-optimal solutions from two processes which are preceded by generating initial population of control variables, and the two processes involve checking the equality and inequality constraints and sorting according to the feasibility of solutions, and the non-dominated set of solutions are updated upon there being a non-dominated solution in the population which otherwise is checked for the generation count if it is more than the maximum limit leading to finding the overall non-dominated set along with the most reliable solution leading to a display of the final solution; and performing crossing over and mutation if the generation count is less than the maximum limit with applicable crossover rate and mutation rate.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030939 A

(19) INDIA

(22) Date of filing of Application :20/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATIC ACCIDENT AVOIDING SYSTEM

(51) International classification	:B60R 22/32	(71)Name of Applicant :
(31) Priority Document No	:NA	1)B SIVA KUMAR REDDY
(32) Priority Date	:NA	Address of Applicant :Associate Professor, Department of
(33) Name of priority country	:NA	ECE, CMR Engineering College, Kandlakoya, Medchal road,
(86) International Application No	:NA	Hyderabad, Telangana- 501401, India. Telangana India
Filing Date	:NA	2)K SUBRAMANYA CHARI
(87) International Publication No	: NA	3)Dr. A. SRINIVASULA REDDY
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)B SIVA KUMAR REDDY
(62) Divisional to Application Number	:NA	2)K SUBRAMANYA CHARI
Filing Date	:NA	3)Dr. A. SRINIVASULA REDDY

(57) Abstract :

Exemplary embodiments of the present disclosure directed towards An automatic accident avoiding system, comprising, an ultrasonic sensor is configured to detect a vehicle proximity sensing information, the ultrasonic sensor is electrically coupled to a processing device; a storage device is configured to store the authorized personTMs information and other details, the storage device is electrically coupled to the processing device; a GPS module is configured to detect the vehicleTMs geographical information, the GPS module is electrically coupled to processing device; an alcohol detection sensor is configured to detect an alcohol status of the vehicle operator, the alcohol detection sensor is electrically coupled to processing device; and a face detection sensor is configured to detect unauthorized personTMs and send unauthorized personTMs photo send to the authorized person, wherein face detection sensor is electrically coupled to the processing device. Fig. 1

No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041030942 A

(19) INDIA

(22) Date of filing of Application :20/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED IRRIGATION BASED ON IOT (INTERNET OF THINGS)

(51) International classification	:H04L 29/08	(71) Name of Applicant : 1)ANUJ KUMAR GOEL
(31) Priority Document No	:NA	Address of Applicant :CMR Engineering College,
(32) Priority Date	:NA	Kandlakoya, Medchal road, Hyderabad - 501401, Telangana,
(33) Name of priority country	:NA	India. Telangana India
(86) International Application No	:NA	2)M. AMRU
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)ANUJ KUMAR GOEL
(61) Patent of Addition to Application Number	:NA	2)M. AMRU
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a smart alert system and method for automated irrigation based on IoT. The system for automated irrigation based on IoT, comprising: a plurality of sensors 102 connected to a processing device 104, whereby the plurality of sensors continuously detect the different parameters like soil moisture content, soil temperature, rain drops and humidity, the processing device 104 aggregating, processing and analyzing the sensor data values obtained from the plurality of sensors to triggers the processing device 104 when the sensor data values exceeds or decreases from its threshold value; and the plurality of sensors, a power supply unit 103, the processing device 104, a relay switch 105 and a motor pump 106 are interconnected by a network 108. FIG.1

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031072 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A METHOD OF DEPLETION OF METAL ION FROM METALLOPEPTIDASE ENZYMES AND FLUSHING THE VIRUSES THEREOF

(51) International classification	:C12M 1/00	(71) Name of Applicant : 1)RITHIKA .K
(31) Priority Document No	:NA	Address of Applicant :NO.13A,RITUS BRINDAVAN
(32) Priority Date	:NA	JEEVARATHINAM NAGAR, 1ST STREET, ADYAR,
(33) Name of priority country	:NA	CHENNAI-600 020, INDIA. Tamil Nadu India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)RITHIKA .K
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of depletion of metal ion from metalopeptidase enzymes and flushing the viruses thereof The present specification discloses the invention about removal of metal ion from metallo organic enzymes thus making them incapable of binding with disease causing microorganisms thus preventing the disease onto a subject.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031162 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : INSTANT ONE POT CHEMICAL SYNTHESIS OF CARBON NANO FLAKE (CNF) PARTICLES

(51) International classification

:B82Y
30/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Address of Applicant :KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES (DEEMED TO BE UNIVERSITY), KARUNYA NAGAR, COIMBATORE, TAMILNADU, INDIA-641114. Tamil Nadu India

(72)Name of Inventor :

1)DR.SAMSON NESARAJ

2)S. DHARANI PRIYA

3)A. DEEPI

(57) Abstract :

TITLE: INSTANT ONE POT CHEMICAL SYNTHESIS OF CARBON NANO FLAKE (CNF) PARTICLES

APPLICANT: KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES ABSTRACT The present invention discloses an improved, instant, straightforward, facile one pot chemical synthesis of ultra pure carbon nano flake (CNF) particles employing cost effective reagents and simple reaction set-up. The process of the present invention comprises of following steps; a) mixing predetermined weight ratio of characterized combination of urea and glycine in a silica crucible followed by dissolving with predetermined volume of double distilled water at a predetermined temperature range to form a homogeneous solution; b) introducing the homogeneous solution in a preheated furnace maintained at predetermined temperature in which the homogeneous solution froths within a fraction of second followed by catching fire to form very fine fluffy voluminous glossy carbon nano flake (CNF) particles; c) grounding the carbon nano flake (CNF) particles to form fine powder carbon nano flake (CNF) particles followed by storing in a container.

No. of Pages : 16 No. of Claims : 4

(54) Title of the invention : DEVELOPMENT OF AUTOMATIC PLASTIC SHREDDER MACHINE BY ARDUINO FOR ENVIRONMENTAL SAFETY

(51) International classification

:C11D
1/62

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr.Maneiah. Dakkili Professor/ Mechanical

Address of Applicant :Professor, CMR TECHNICAL
CAMPUS, Kandlakoya, Hyderabad, Telangana, India-501401.
Telangana India

2)Mr. Chitty. Nagaraj Associate Professor / Mechanical

3)Mr. Madala. Ajay Kumar Assistant Professor /

Mechanical

4)Mr. Debashis Mishra Assistant Professor/Mechanical

5)Dr. K. Vijayakumar Reddy Professor/ Director R & D/

Mechanical Engineering Department

**6)Dr. D. V. Sreekanth Professor/Mechanical Engineering
Department**

7)J. Durga Prasad Reddy Associate Professor / Mechanical

(72)Name of Inventor :

1)Dr.Maneiah. Dakkili Professor/ Mechanical

2)Mr. Chitty. Nagaraj Associate Professor / Mechanical

3)Mr. Madala. Ajay Kumar Assistant Professor /

Mechanical

4)Mr. Debashis Mishra Assistant Professor/Mechanical

**5)Dr. K. Vijayakumar Reddy Professor/ Director R & D/
Mechanical Engineering Department**

**6)Dr. D. V. Sreekanth Professor/Mechanical Engineering
Department**

7)J. Durga Prasad Reddy Associate Professor / Mechanical

(57) Abstract :

Plastic shredder is a machine used to shred plastic waste into smaller pieces to make waste management easier. The aim of the project idea is to develop a product which will help the environment. This machine will help the recycling of plastic and will promote people for using more recycled plastic. We know that a lot of plastic is being used which is spoiling the environment and causing a lot of soil pollution. We propose the idea of an automatic plastic shredding bin which shreds the plastic bottles and plastic wastes automatically into small pieces according to the required industry standards. The shredded plastic pieces can be further transported to plastic recycling industries for further processing. This can reduce the cost of recycling. The automation will be given by sensors, where the sensor detects the plastic waste. This bin has a new design of blades which is efficient in cutting the plastic waste into tiny pieces.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031170 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IMAGE HASHING SEARCH ENGINE WITH VP-TREES AND OPEN CV

(51) International classification	:G06F 16/95	(71)Name of Applicant : 1)POTTI SRIRAMULUCHALAVADI MALLIKARJUNARAO COLLEGE OF ENGINEERING AND TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :Raghava Reddy Street, One Town, Vijayawada-520001, Andhra Pradesh, India. Andhra Pradesh India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Sarath Chandra. B.
(86) International Application No	:NA	2)Dr.K.Nageswara Rao
Filing Date	:NA	3)G.Padmaja
(87) International Publication No	: NA	4)I.Murali Krishna
(61) Patent of Addition to Application Number	:NA	5)K.Sudhakar
Filing Date	:NA	6) V.Navya Sree
(62) Divisional to Application Number	:NA	7)Dr.Shaik Akbar
Filing Date	:NA	8)Dr.D.Durga Prasad

(57) Abstract :

An exemplary embodiment of the present disclosure is directed towards an image hashing search engine with Vantage point-trees and an open CV with an indexing where an image search engine takes an input where a dataset of images is done and computing the hashes in each image is done followed by storing the hashes in a data structure and a vantage point tree is developed; and a searching involving computing a hash query and searching VP-tree for similar images the vantage points and medians are calculated until the child nodes containing a personal image hash is reached. FIG 1

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031171 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DETECTION OF WEEDS IN CROPS USING MACHINE LEARNING TECHNIQUES

(51) International classification	:G06N 20/00	(71)Name of Applicant : 1)POTTI SRIRAMULUCHALAVADI MALLIKARJUNARAO COLLEGE OF ENGINEERING AND TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :Raghava Reddy Street, One Town, Vijayawada-520001, Andhra Pradesh, India. Andhra Pradesh India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)SRI SILPA PADMANABHUNI
(86) International Application No	:NA	2)SRIKANTH REDDY BHIMIREDDY
Filing Date	:NA	3)ANAND THOTA
(87) International Publication No	: NA	4)B. HANUMANTHARAO
(61) Patent of Addition to Application Number	:NA	5)G.V.S.R.K.PRASAD
Filing Date	:NA	6)V.SOWJANYA
(62) Divisional to Application Number	:NA	7)Dr.A.PATHANJALI SASTRI
Filing Date	:NA	8)A. CHANDRA MOULI

(57) Abstract :

Exemplary embodiments of the present subject matter is directed towards capturing images through Internet of Things (IoT) where the images of the field are captured through camera modules with the help of a micro controller; and the digital images are received and sent for applying pre-processing techniques and further outlining the areas with pre-defined techniques is done where the images are determined with colour and texture saturation with predefined sets and is compared and the features are extracted and a shape of the captured weed can be exactly predicted upon classifying the weed model. FIG. 1

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031189 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR VOICE TRANS-RECEIVING THROUGH INTERNET OF THINGS

(51) International classification	:G10L 15/22	(71)Name of Applicant : 1)POTTI SRIRAMULUCHALAVADI MALLIKARJUNARAO COLLEGE OF ENGINEERING AND TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :Raghava Reddy Street, One Town, Vijayawada-520001, Andhra Pradesh, India. Andhra Pradesh India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Dr.SHAIK AKBAR
(86) International Application No	:NA	2)Dr.A.PATHANJALI SASTRI
Filing Date	:NA	3)Dr.DURGA PRASAD DOGIPARTHI
(87) International Publication No	: NA	4)SRI SILPA PADMANABHUNI,
(61) Patent of Addition to Application Number	:NA	5)O. SRAVANI
Filing Date	:NA	6)M. RAMYA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a System for voice trans-receiving through Internet of Things (IoT) comprising of: a sender gives the voice data as input which is recorded completely by the sender through a recorder and recorded voice data is stored as an audible file is retrievable upon requirement and the voice output is through an output source; a live stream mechanism involving a pre-processing involves model for noise reduction in speech recognition and a Sequence Modelling with Recurrent Neural Network utilising a previous data from memory units and processed input where an activation function known as SoftMax is applied at all the layers constructed to multiply the inputs at each layer where a long short term memory architecture is integrated into neural network to update the gradient values periodically and the help of LSTM is taken by using gates to regulate flow of information; and an output source, and a receiver side of the audio-path is run and the receiver gets the voice as output through the speaker. FIG 1

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031237 A

(19) INDIA

(22) Date of filing of Application :21/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN IOT BASED SAFETY SYSTEM FOR A RIDER AND A METHOD THEREOF

(51) International classification	:A63F 13/52	(71) Name of Applicant : 1)SRM Institute of Science and Technology Address of Applicant :Kattankulathur, Chennai- 603203, Tamil Nadu, INDIA. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)ANAND VAISHNAVEE
Filing Date	:NA	2)RISHIMA SAXENA
(87) International Publication No	: NA	3)RAHUL RAJ
(61) Patent of Addition to Application Number	:NA	4)VIMALA JULIET ASOKAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT AN IOT BASED SAFETY SYSTEM FOR A RIDER AND A METHOD THEREOF The present disclosure envisages a field of an IoT based safety system for a rider. The IoT based safety system for a rider (100) comprises an IoT based helmet (102) and a server (104). The IoT based helmet (102) provides sensed vibration information and GPS signals to the server (104). The server (104) generates a warning signal based on comparison of the sensed vibration information and the pre-determined threshold value. The server (104) receives the GPS signals to identify co-ordinates based on the GPS signals and extracts the contact numbers of nearest hospitals corresponding to the identified coordinates. The server (104) transmit at least one notification to the nearest hospitals on receiving the warning signal. The system (100) detects accident and the live location of the rider.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031294 A

(19) INDIA

(22) Date of filing of Application :22/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HERBAL THERAPY IN BRONCHIAL-ASTHMA

(51) International classification	:A61K 36/00	(71) Name of Applicant : 1)Dr.S. GOVINDAN
(31) Priority Document No	:NA	Address of Applicant :5/1-B, DHARMA NAGAR, 4th Street,
(32) Priority Date	:NA	SURAMANGALAM, SALEM, TAMILNADU, INDIA-636005.
(33) Name of priority country	:NA	Tamil Nadu India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Dr.S. GOVINDAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Bronchial Asthama is a serious respiratory ailment affecting the world population. Research is being done to know the pathophysiology, and efforts are made to develop effective remedies to treat the respiratory syndrome. I, Dr. S.Govindan, B.Sc., MBBS, MD, PhD, have done research in finding such a remedy using a therapy which combines Allopathic and Herbal medicine. My research has proved that the therapeutic process which I have invented, does provide relief from bronchospasm in asthmatic patients. I have named the combination of medicines, which I have used in my therapy, as ST and SX. I am willing to provide more details of the research, including the medicine formula, the dosage, charts and pictures which are proof of results of such therapy, when so required.

No. of Pages : 9 No. of Claims : 0

(54) Title of the invention : A METHOD FOR THE DEGRADATION OF CHLORINATED BIPHENYLS BY A NEW VBNC BACTERIAL STRAIN

(51) International classification	:C12R 1/01	(71)Name of Applicant : 1)Dr.N.Vasudevan
(31) Priority Document No	:NA	Address of Applicant :Plot No.247, (D.No.13), 4th Avenue, Indira Nagar, Chennai-600020. Tamil Nadu India
(32) Priority Date	:NA	2)Dr.K.Murugan
(33) Name of priority country	:NA	3)Dr.O.Greeshma
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr.N.Vasudevan
(87) International Publication No	: NA	2)Dr.K.Murugan
(61) Patent of Addition to Application Number	:NA	3)Dr.O.Greeshma
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The following specification describes a method for enriching a viable but non culturable bacteria from soil wherein the method comprises of enriching VBNC from chlorinated biphenyl contaminated soil using a modified mineral salt medium. The following specification also describes a method for application of VBNC. The said method is bioaugmenting a VBNC for biodegradation of chlorinated biphenyl. The following specification also describes a method for biodegradation and bioremediation of chlorinated biphenyl contaminated soil wherein the method comprises of growing and culturing the VBNC in a modified mineral salt medium without any growth promoting accelerators wherein the culture is maintained at a specific pH and moisture content wherein the said bioremediation method comprises of mixing the chlorinated biphenyl contaminated soil and transformer oil contaminated soil with VBNC. In some cases, it describes a VBNC with specific property, wherein the VBNC is specific chlorinated biphenyl degrading bacteria which completely degrade chlorinated biphenyl with specific genes wherein the said VBNC is *Nocardiacyriaciorgica*. The following specification also describes a method for degrading chlorinated biphenyl in other compound contaminated soil. The said other compounds include PCB, heavy metals, oil and PAH

No. of Pages : 25 No. of Claims : 14

(54) Title of the invention : MODELING AND FABRICATION OF ELECTRIC BIKE

<p>(51) International classification :B62M 6/50</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)M.VIJAYARAGAVAN Address of Applicant :MAILAM ENGINEERING COLLEG, MAILAM, TINDIVANAM T.K, VILLUPURAM DIST Tamil Nadu India</p> <p>2)Dr.R.Rajappan</p> <p>3)Mrs.M.Sivapriya</p> <p>4)Mr.R.Soundararaj</p> <p>5)Mr.P.Ashokkumar</p> <p>6)Mr.M.Vijayaraj</p> <p>7)Mr.K.Udhayakumar</p> <p>8)Mr.T.Narayanan</p> <p>9)Mr.P.Paramadhayalan</p> <p>10)Mr.A.Venkatesan</p> <p>11)Mrs.A.Suganthi</p> <p>(72)Name of Inventor :</p> <p>1)Dr.R.Rajappan</p> <p>2)Mrs.M.Sivapriya</p> <p>3)Mr.R.Soundararaj</p> <p>4)Mr.P.Ashokkumar</p> <p>5)Mr.M.Vijayaraj</p> <p>6)Mr.K.Udhayakumar</p> <p>7)Mr.T.Narayanan</p> <p>8)Mr.P.Paramadhayalan</p> <p>9)Mr.A.Venkatesan</p> <p>10)Mrs.A.Suganthi</p>
--	---

(57) Abstract :

One of the greatest problems in todays world is the energy shortage exacerbated by increasingly depleting coal, oil and diesel supplies. In tandem with this, environmental pollution is an important contributing factor to an troubling note of the loss of capital. The solution to the above dangerous problems is indicated by our company. The electric cycle is the machine we have innovated. This initiative provides numerous advantages for both team leaders and potential customers to increase awareness about the usage about alternate transport modes. Electric cycle, the general transport method for a local ride, which operates on the engine driven tank. Through connecting it to the network, solar panels are an alternate source. The power from the motor is supplied to the electric bike that operates on the tank, thus providing the energy to move the other gear components. This E-bike is primarily built to be user-friendly, durable and fairly inexpensive. In contrast to traditional modes of transport the performance of this method is unavoidable.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031299 A

(19) INDIA

(22) Date of filing of Application :22/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IOT BASED AUTOMATED MYONEURO STIMULATOR FOR NEURO PARALYTIC PATIENTS

(51) International classification	:A61N 1/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)K. Vidhya
(32) Priority Date	:NA	Address of Applicant :KPR Institute of Engineering and Technology, Arasur, Coimbatore, Tamil Nadu, India-641407.
(33) Name of priority country	:NA	Tamil Nadu India
(86) International Application No	:NA	2)Dr. P. Rathan
Filing Date	:NA	3)M. Premkumar Balaji D
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)K. Vidhya
Filing Date	:NA	2)Dr. P. Rathan
(62) Divisional to Application Number	:NA	3)M. Premkumar Balaji D
Filing Date	:NA	

(57) Abstract :

The invention mainly prevents the patients from atrophy or muscle loss due to physical inactivity. It will assist the neuro paralytic patients to do the required exercises regularly even in the absence of their care takers. Hand and leg shaped lightweight actuators are worn in the paralyzed patients body limb parts. The system can activate hands as well as legs of affected patients based on their instruction without the supporters. Thus, the way it eliminates the need of long time assistance and it prevents muscle loss due to inactivity, facilitates adjustable arm and leg holder, 360 degree rotatable pedals for legs, wrist extensor for hand exercise, finger spreader, automatic process of exercise based on patients interest using voice recognition system, mic with GSM module which helps the patients to send their emergency needs, enhanced music system helps to maintain patients attention and interest on exercise until the completion of their exercise.

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031301 A

(19) INDIA

(22) Date of filing of Application :22/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A NOVEL METHOD OF DRYING OF ALOE VERA USING MICROWAVE AND DEVICE FOR ITS IMPLEMENTATION

(51) International classification	:A61K 36/88	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. G. SRINIVASAN
(32) Priority Date	:NA	Address of Applicant :Professor & Head, Department of
(33) Name of priority country	:NA	Chemical Engineering, Paavai Engineering College, NH-44,
(86) International Application No	:NA	Paavai Nagar, Pachal, Namakkal-637018, Tamil Nadu. Tamil
Filing Date	:NA	Nadu India
(87) International Publication No	: NA	2)Dr.R.BASKAR
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. G. SRINIVASAN
(62) Divisional to Application Number	:NA	2)Dr.R.BASKAR
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel method for drying aloe vera. The drying method involves use of different microwave power levels. The method provides dried aloe vera having desired physical and chemical properties. The present invention also provides a multimode microwave setup for drying purpose.

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041031432 A

(19) INDIA

(22) Date of filing of Application :22/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATED ENHANCED E-LEARNING SYSTEM FOR ENGINEERING STUDENTS USING IOT

<p>(51) International classification :G09B 7/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Abhishek Kumar Assistant Professor, School of CS and IT Address of Applicant :Jain University, Assistant Professor, School of CS and IT, Bengaluru, Karnataka, India- 56006. Karnataka India</p> <p>2)Dr. Neha Chopade Associate Professor</p> <p>3)Dr Prasad M Assistant Professor (Sr.) Department : School of Computer Science and Engineering</p> <p>4)CHINTAPANTI MURALI KRISHNA ASSISTANT PROFESSOR Department: ECE</p> <p>5)Mr. Nishant Chaurasia</p> <p>6)Dr. Bhumika Gupta</p> <p>7)Mr. Deepak Singh Niranjana</p> <p>8)Mr. Kamal Kumar Gola</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Abhishek Kumar Assistant Professor, School of CS and IT</p> <p>2)Dr. Neha Chopade Associate Professor</p> <p>3)Dr Prasad M Assistant Professor (Sr.) Department : School of Computer Science and Engineering</p> <p>4)CHINTAPANTI MURALI KRISHNA ASSISTANT PROFESSOR Department: ECE</p> <p>5)Mr. Nishant Chaurasia</p> <p>6)Dr. Bhumika Gupta</p> <p>7)Mr. Deepak Singh Niranjana</p> <p>8)Mr. Kamal Kumar Gola</p> <p>9)Dr A Nageswaran Associate Prof,CSE</p> <p>10)Dr S Arun,Prof ,ECE</p>
--	---

(57) Abstract :

ABSTRACT In the current pandemic situation, students are supposed to undergo their studies through online as educational institutions are closed in regard to safety. It is necessary for the students to grasp the subjects with clear understanding which is possible by increasing the quality of education which is declining regularly. Main cause for quality decline of education is that students are not able to comprehend and understand the subject. This invention finds a solution for this problem in educational field. The proposed work is based on the three styles of learning considered preferentially for an individual such visual learning, auditory learning and kinesthetic learning named as VAK theory. Hence in this approach, the students are classified based on their interest of learning style. Based on this classification, assignments are allotted to the students group which they are able to understand and comprehend with ease which increases the quality of education. The proposed invention is based on IOT which classifies the students automatically, maintains the performance history, submission of assignments, their interest in co-curricular activities, response speed, style of learning etc. This system monitors student community even when are learning through online thereby reducing the manual work along with enhancement of student performance from 10% to 50% based on the activities of their learning style.

No. of Pages : 13 No. of Claims : 6

(54) Title of the invention : DESIGN AND ANALYSIS OF AIRCRAFT BASED ON MAGNUS EFFECT

(51) International classification

:F03D
3/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. K. C. Udaiyakumar

Address of Applicant :Plot. No. 1 SRM Garden, Second cross street, J B Estate Extension, Avadi, Chennai - 600054, Tamil Nadu Tamil Nadu India

2)Sumeet Nathwani**3)K Sri HarshaVardhan****4)Joel Jose****5)Govind Suresh Pillai**

(72)Name of Inventor :

1)Dr. K. C. Udaiyakumar**2)Sumeet Nathwani****3)K Sri HarshaVardhan****4)Joel Jose****5)Govind Suresh Pillai**

(57) Abstract :

CLAIMS We Claim : 1. An aircraft generating lift by magnus effect, comprising: a. a Fuselage; b. rotating cylinder wings; c. Electric motor; d. Battery; e. Control and Instruments; and f. Propeller; g. wherein the cylinder rotates in the clockwise direction with respect to the airflow and wherein half of the top cylinder surface moves in the direction of the wind and the bottom half of the cylinder surface moves opposite to the direction of wind. 2. A method of providing lift and thrust to an aircraft using magnus effect, the method comprising: a. Rotating cylinders with S-shaped profile installed in each of the wings of aircraft, said cylinders having front fins to decrease drag, wherein cylinder rotates in the clockwise direction with respect to the airflow and wherein half of the top cylinder surface moves in the direction of the wind and the bottom half of the cylinder surface moves opposite to the direction of wind; b. and wherein the propeller positioned in the nose of aircraft provides most of the thrust; 3. The invention according to claim 2, wherein the High stall resistance is achieved as the lift force created by rotating cylinder has negligible effect with respect to the angle of wind flow. Dated 22 July 2020 Senthil Kumar B Agent for the applicant IN/PA-1549

No. of Pages : 24 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032035 A

(19) INDIA

(22) Date of filing of Application :27/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PHASE CHANGE MATERIAL EMBEDDED CONSTRUCTIONAL MATERIAL WITH AI ASSISTANCE DEVICE FOR MAINTAINING TEMPERATURE

(51) International classification	:C04B 28/02	(71)Name of Applicant : 1)DR. A.K. PRIYA Address of Applicant :ASSOCIATE PROFESSOR IN DEPARTMENT OF CIVIL ENGINEERING, KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, ARASUR, COIMBATORE TAMIL NADU, INDIA 641407 Tamil Nadu India
(31) Priority Document No	:NA	2)DR.J. VIJAYARAGHAVAN
(32) Priority Date	:NA	3)DR.J. THIVYA
(33) Name of priority country	:NA	4)SR. S. BAGHYA SHREE
(86) International Application No	:NA	5)BALAJI D
Filing Date	:NA	6)DR. M.R.ARUN
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. A.K. PRIYA
Filing Date	:NA	2)DR.J. VIJAYARAGHAVAN
(62) Divisional to Application Number	:NA	3)DR.J. THIVYA
Filing Date	:NA	4)SR. S. BAGHYA SHREE
		5)BALAJI D
		6)DR. M.R.ARUN

(57) Abstract :

The invention is phase change material embedded constructional material with AI assistance device for maintaining temperature inside the building. A wall (1) of the building is made up of a PCM gel (2) and a solid PCM (3) along an AI control unit (4). Th AI control unit gets input from a sensor unit (5) to assess the temperature at various positions of the wall (1). In addition, user has the provision to control the temperature with the help of a remote control (6). The AI control unit (4) is placed near to wall which has the provision of getting input from the remote control (6) and as well as from the sensor unit (5) and matches the data to control the temperature.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032039 A

(19) INDIA

(22) Date of filing of Application :27/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SPAM REDUCTION IN SMARTPHONES TO RESIST IT FROM INTRUDERS

(51) International classification	:H04W 4/14	(71)Name of Applicant : 1)VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS) Address of Applicant :VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS), VELAN NAGAR, PV VAITHIYALINGAM RD, PALLAVARAM, CHENNAI, TAMIL NADU, INDIA 600117 Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)DR. MEENA M
(33) Name of priority country	:NA	2)MS. RUPA R
(86) International Application No	:NA	3)MS. JAYASHREE S
Filing Date	:NA	4)DR. RAVIKUMAR D
(87) International Publication No	: NA	5)DR. RAJENDRAN V
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Using Pref miner we can prevent the intruders from sending unnecessary notifications which may result in hacking of our private information. The uniqueness in this technology is that the unnecessary information or notifications like anonymous calls or messages or notifications can be removed priory before reaching the user through this technology. By using machine learning we can filter out the spam and ham. messages by using supervised learning of classification algorithm. There are different types of classification algorithms include Deep Learning, Naive Bayes, Support Vector Machines, K-Nearest Neighbor, Rough sets, and Random Forests. This system filters out the received message and process it with the machine learning program and saves the message to a separate spam and ham folder.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032053 A

(19) INDIA

(22) Date of filing of Application :27/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A HEIGHT ADJUSTABLE ARM SYSTEM FOR FURNITURE'S AND AUTOMOBILES SEATS

(51) International classification	:A47C	(71) Name of Applicant :
	1/03	1)AKSHAY JOSEPH
(31) Priority Document No	:NA	Address of Applicant :6, Golden Nagar B.U Post,
(32) Priority Date	:NA	Coimbatore(Dt), Tamil Nadu, India-641046. Tamil Nadu India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)AKSHAY JOSEPH
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A stepless height adjustable arm system for furniture and automobiles seats consists of an inner arm; an outer arm; sliders; an electric linear actuator.

No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : SMART WALKING STICK FOR SIGHTLESS PEOPLE

(51) International classification

:G09B
21/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr.M.ABDULLAHAddress of Applicant :Assistant Professor, ECE Department,
Bannari Amman Institute of Technology, Sathyamangalam,
Tamilnadu, India-638401. Tamil Nadu India**2)Dr.M.KALAMANI****3)Mr.S.P.PRAKASH****4)Mr.L.RAJASEKAR****5)Dr.M.KRISHNAMOORTHY****6)Dr.S.KIRUBAKARAN****7)Dr.S.KARTHICK****8)C.RAJU**

(72)Name of Inventor :

1)Dr.M.ABDULLAH**2)Dr.M.KALAMANI****3)Mr.S.P.PRAKASH****4)Mr.L.RAJASEKAR****5)Dr.M.KRISHNAMOORTHY****6)Dr.S.KIRUBAKARAN****7)Dr.S.KARTHICK****8)C.RAJU**

(57) Abstract :

Today, the visually impaired person faces a lot of problem to complete their day today life activities due to lack of assisting devices for easy movement. The primary objective of this invention is to develop the user friendly, compact and low cost assisting device for blind people and they control their movement manually from one place to other based on their requirement without any human assistance. This Smart Walking Stick for Blind people comprising a RFID tag is attached at the mid-point of smart electronic box; a battery is attached to the inner wall of the smart electronic box. A Microcontroller is attached along with the said battery; and a smart electronic box which holds all the above said components. The RFID Tag is communicated to the RF transmitter available with the Blind people and to create buzzer sound for detecting the position of walking stick when it is misplaced. In addition, this Walking Stick comprising an Ultrasonic sensor 1 is placed towards ground view below the said smart electronic box; an Ultrasonic sensor 2 is placed between the bottom and the front side of the said smart electronic box; an Ultrasonic sensor 3 is placed in the front side of the said smart electronic box. Ultrasonic sensor 1 used to detect the pet and indicate the person for further movement in order to avoid collisions. Ultrasonic sensor 2 used to detect the obstacles and guide/alert the blind person through ARP9600. Ultrasonic sensor 2.used to detect the obstacles and indicate the blind person through APR9600. Ultrasonic sensor 3 used to detect the obstacles or roof present above the head level and guide/alert the blind person through ARP9600.

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032057 A

(19) INDIA

(22) Date of filing of Application :27/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATIC E-SANITIZER SPRAY FOR VEHICLES

(51) International classification	:B60S 3/04	(71)Name of Applicant : 1)MR. M. MANIKANDAN Address of Applicant :ASSISTANT PROFESSOR (SR.G) DEPARTMENT OF ECE, KPR INSTITUTE OF ENGINEERING & TECHNOLOGY, COIMBATORE, TAMIL NADU, INDIA 641407. Tamil Nadu India
(31) Priority Document No	:NA	2)DR.K.S. TAMILSELVAN
(32) Priority Date	:NA	3)DR.M.G. SUMITHRA
(33) Name of priority country	:NA	4)DR. SURESH PABBOJU
(86) International Application No	:NA	5)DR. M. AKILA
Filing Date	:NA	6)DR. SHANKARANAYAK BHUKYA
(87) International Publication No	: NA	7)DR.G. DHIVYASRI
(61) Patent of Addition to Application Number	:NA	8)MR. V.CHANDRAN
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)MR. M. MANIKANDAN
Filing Date	:NA	2)DR.K.S. TAMILSELVAN
		3)DR.M.G. SUMITHRA
		4)DR. SURESH PABBOJU
		5)DR. M. AKILA
		6)DR. SHANKARANAYAK BHUKYA
		7)DR.G. DHIVYASRI
		8)MR. V.CHANDRAN

(57) Abstract :

A disinfectant pathway is used to disinfect vehicles as they pass on to it. As the vehicle enters in to the pathway, sanitizing spray units are turned on and the sanitizer sprays on the wheels of two/ wheeler of the vehicle. The system is turned on by a Passive Infrared (PIR) sensor. After the vehicle has passed through the pathway, the spray is turned off. The PIR sensor turns on both the spray. The spray stations are low pressure to adequately spray disinfectant on the vehicle, but does not clean or remove dirt or other material from the vehicle. The low-pressure spray conserves the amount of disinfectant sprayed, spraying only that amount need to disinfect the vehicle. Sprayers are placed to spray the outside faces of the wheels which is implemented at low cost.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032254 A

(19) INDIA

(22) Date of filing of Application :28/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A SYMMETRIC CRYPTOSYSTEM FOR SECURE DATA COMMUNICATION BETWEEN NETWORK DEVICES USING GRAPH BASED OPERATION

(51) International classification	:H04L 29/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Alekha Kumar Mishra
(32) Priority Date	:NA	Address of Applicant :Department of Computer Applications, National Institute of Technology, Jamshedpur, Adityapur, Jamshedpur, Jharkhand, India-831014 Jharkhand India
(33) Name of priority country	:NA	2)Dr. Asis Kumar Tripathy
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Alekha Kumar Mishra
(87) International Publication No	: NA	2)Dr. Asis Kumar Tripathy
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is always a continuous demand of new variations in cryptosystem for securing data during communication between two devices over networks. The proposed invention is a cryptographic system for communication between computing devices using graph data structure and its operations. The cryptographic system is embedded in at least one device for encryption process and at least one device for decryption process that are connected via communication channel. A plaintext that is to be transferred secured over the channel is encrypted into its corresponding ciphertext by following steps. In the first step, the plaintext is encoded into bit string and then transformed to an adjacency matrix representing the plaintext graph. In the next step the plaintext graph is operated with the key graph to generate ciphertext graph. Finally, the ciphertext graph is transformed into hexadecimal cipher format to communicate over channel. At the receiver device end, the hexadecimal ciphertext is decrypted back to its corresponding plaintext by first transforming into adjacency bit matrix representing the ciphertext graph, then operated with inverse key graph to generate plaintext graph, and finally transformed to bit string to generate the original plaintext.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032258 A

(19) INDIA

(22) Date of filing of Application :28/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SOLAR BASED SMART WATER PURIFICATION SYSTEM IN THE GROUND WATER

(51) International classification	:G06F3/044	(71)Name of Applicant : 1)DR.KALYANA KIRAN KUMAR Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT(AUTONOMOUS) K.KOTTUR,TEKKALI,SRIKALULAM DISTRICT, ANDHRA PRADESH, INDIA-532201. Andhra Pradesh India
(31) Priority Document No	:NA	2)DR.PRAMOD KUMAR GOUDA
(32) Priority Date	:NA	3)DR.R.S.R.KRISHNAM NAIDU
(33) Name of priority country	:NA	4)MR.PRASAD CHONGALA
(86) International Application No	:NA	5)DR.C.GOPINATH
Filing Date	:NA	6)SENTHIL MURUGANG
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR.KALYANA KIRAN KUMAR
Filing Date	:NA	2)DR.PRAMOD KUMAR GOUDA
(62) Divisional to Application Number	:NA	3)DR.R.S.R.KRISHNAM NAIDU
Filing Date	:NA	4)MR.PRASAD CHONGALA
		5)DR.C.GOPINATH
		6)SENTHIL MURUGANG

(57) Abstract :

The present invention discloses the identify the organic and inorganic ions existing in the . ground water of the affected areas and power supply to the smart water purifier plant is eliminating the Harmful ions in the water. This system is supply purified water to the affected areas.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032265 A

(19) INDIA

(22) Date of filing of Application :28/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ZERO SLUDGE AND AEROBIC GRANULATION SYSTEM FOR SIMULTANEOUS REMOVAL OF C, N AND P IN SEQUENCING

(51) International classification	:C02F 3/30	(71) Name of Applicant : 1)VELLORE INSTITUTE OF TECHNOLOGY Address of Applicant :VELLORE INSTITUTE OF TECHNOLOGY VANDALUR-KELAMBAKKAM RD, CHENNAI, TAMIL NADU, INDIA - 600 127. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Dr. P.C. SABUMON
(87) International Publication No	:NA	2)Ms. DESIREDDY SWATHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION Conventional biological nitrogen removal techniques often have disadvantages like low removal efficiencies, requirement of large footprint, and excess sludge production. The present invention describes a biological nutrient removal process with zero sludge discharge for treating organic carbon, nitrogen and phosphorous from wastewaters in an automated Sequential Batch Airlift Reactor (SBAR). Here the nitrification, denitrification, carbon and phosphorous removal occurs simultaneously in a single reactor under alternating aerobic and anoxic conditions. The invention attempts to develop granular Heterotrophic Nitrification Aerobic Denitrification (HNAD) culture to facilitate simultaneous C, N, and P removal. Lab scale SBAR with automatic process control was used to carry out the reactions in required Dissolved Oxygen (DO) and temperature ranges. The process was studied in varied DO range and feed cycle times to optimize the conditions for effective granulation and subsequent removal efficiencies. This process is economical as effective organics and nutrient removal occurs in a single reactor without any need of sludge disposal, supply of alkalinity and also requires small foot print.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032439 A

(19) INDIA

(22) Date of filing of Application :29/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MILLIMETER WAVE SENSOR BASED LONG-TERM MONITORING DEVICE UNSING IOT FOR ELDERLY OR PATIENT IN THE ROOM

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	5/00	1)DR. K. SHOUKATH ALI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF ECE BANNARI
(33) Name of priority country	:NA	AMMAN INSTITUTE OF TECHNOLOGY,
(86) International Application No	:NA	SATHYAMANGALAM ERODE, TAMILNADU, INDIA
Filing Date	:NA	638401 Tamil Nadu India
(87) International Publication No	: NA	2)DR. C. POONGODI
(61) Patent of Addition to Application Number	:NA	3)DR. D. DEEPA
Filing Date	:NA	4)DR. P. HAMSAGAYATHRI
(62) Divisional to Application Number	:NA	5)DR. T. PERARASI
Filing Date	:NA	(72)Name of Inventor :
		1)DR. K. SHOUKATH ALI
		2)DR. C. POONGODI
		3)DR. D. DEEPA
		4)DR. P. HAMSAGAYATHRI
		5)DR. T. PERARASI

(57) Abstract :

Monitoring the elderly people fall detection and vital signs is a major problem in the healthcare department. Elderly people are more prone to fall than others. There are more than 50% of injury-related hospitalizations in people aged over 65. Millimeter wave (mm-Wave) sensor is used to detect the height, stance, breathing and heart beat of people both in the room and any emergency wards. The sensor delivers 4D point cloud data which specifies the position in X, Y, Z directions and their velocity. When an elderly person walks a small circle between 2 and 20 meters and stands about 2 meters in front of the sensor with variety of poses: Standing, Sitting, Laying, Falling etc. Then the data captured with sensor at different heights helps to determine using mounting agnostic algorithm and could be developed to find stance and detect falls of the person. mm-Wave sensor is used to filter out the breathing and heart beat pattern from chest displacements and estimate the breathing and heart-rate of people. GUI displays the chest displacements, filtered waveforms and the estimated breathing and heart-rate. An interface is involved in enabling a live stream of sensor data using Internet of Things (IOT).

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032442 A

(19) INDIA

(22) Date of filing of Application :29/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LITHIUM-ION BATTERY MONITORING AND PROTECTION SYSTEM

(51) International classification	:H01M 10/05	(71) Name of Applicant : 1)Vellore Institute of Technology Address of Applicant :Vellore Institute of Technology, Vandalur- Kelambakkam Rd, Chennai-600127, Tamil Nadu, India. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Pratinav Kashyap
(87) International Publication No	: NA	2)Manish Kumar Dwivedi
(61) Patent of Addition to Application Number	:NA	3)R.Jayapragash
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In portable battery systems, Lithium-ion batteries are most frequently used and hence protection and monitoring of these batteries are very important for better health and safety of the battery pack. The proposed idea is a Battery Management System (BMS) following a distributed topology. It monitors the battery temperature, current and voltage using a microcontroller and it will communicate with the master controller using a preferred communication protocol. The protection of the battery pack is ensured by a protection chip. The master controller is used to compute the voltage received from all the slave boards and find the one to be balanced and thereby send a balancing command to the slave board as found. The said system is used to protect and monitor the battery pack while charging and discharging. In place of simply using a display to interface with the BMS, a wireless Wi-Fi connection for GUI is established. The configuration for the system is done via the internet..

No. of Pages : 8 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032443 A

(19) INDIA

(22) Date of filing of Application :29/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FLY ASH GEO-POLYMERIC BRICK REINFORCED WITH BIODEGRADABLE NATURAL FIBERS AND CONSTRUCTION WASTE

(51) International classification	:E21C 41/32	(71)Name of Applicant : 1)VELLORE INSTITUTE OF TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :VELLORE INSTITUTE OF TECHNOLOGY VANDALUR-KELAMBAKKAM RD,
(32) Priority Date	:NA	CHENNAI, TAMIL NADU, INDIA 600 127. Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DR. A. ARUN KUMAR
Filing Date	:NA	2)DR. NARAYANAN. R
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The main aim of this study is to design eco-friendly green building material through geo-polymeric brick reinforced with biodegradable fibres in earth brick with construction wastes. Fly ash is used as binder, construction waste as fine aggregate and coconut fibre is used to increase the binder matrix. The compressive strength of the geo-polymeric brick will be tested and compared with commercially available blocks in the market. The cost effectiveness will be evaluated based on the comparison of commercially available bricks in the market.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032447 A

(19) INDIA

(22) Date of filing of Application :29/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SMART CLASSROOM ASSISTANCE SYSTEM

(51) International classification	:G08B 25/01	(71) Name of Applicant : 1)VELLORE INSTITUTE OF TECHNOLOGY Address of Applicant :VELLORE INSTITUTE OF TECHNOLOGY VANDALUR-KELAMBAKKAM RD, CHENNAI, TAMIL NADU, INDIA - 600 127. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Mr. PRAKASH V
(87) International Publication No	: NA	2)Dr. VIGNESWARAN T
(61) Patent of Addition to Application Number	:NA	3)Mr. CH SAI SUDEEP REDDY
Filing Date	:NA	4)Mr. ABDUL ZAHEER
(62) Divisional to Application Number	:NA	5)Mr. VIJAY SAKET
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION This invention focuses on cost reduction and enhancing the quality of service in the field of technology-aided teaching. The proposed system consists of four modules smart projector with PowerPoint Presentations(PPT) upload and download feature, gesture based PPT control, smart attendance system and Google voice assistance system. All these four modules are implemented on single controller platform using Raspberry Pi. The smart projector system uses Raspberry Pi and its web interface, to store files that have been sent from remote sources and view these power point files or Portable Document Files (PDF) on the projector. The second module consists of ultrasonic sensor interfaced with Raspberry Pi to control the PPT displayed in projector using hand gesture action based on the distance. The third module is to automate the student attendance using biometric system. This system consists of Finger print sensor attached to the Raspberry Pi to record the student presence. The fourth module allows faculty to search the internet verbally without the need for typing the query in a web browser by adding the Google voice Assistant to the Raspberry Pi. By integrating these entire four modules in a single microcontroller platform (Raspberry Pi) we may reduce the cost and improve the quality of service in an effective way.

No. of Pages : 15 No. of Claims : 5

(54) Title of the invention : MYELIN SEGMENTATION FROM T1- WEIGHTED MAGNETIC RESONANCE IMAGES FOR CHILDREN LESS THAN TWO YEARS

(51) International classification	:A61B	(71)Name of Applicant :
(31) Priority Document No	5/05	1)VELLORE INSTITUTE OF TECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :VELLORE INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY VANDALUR-KELAMBAKKAM RD,
(86) International Application No	:NA	CHENNAI, TAMIL NADU, INDIA - 600 127. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. BRINTHA THERESE A
(61) Patent of Addition to Application Number	:NA	2)Dr. BRINTHA THERESE A
Filing Date	:NA	3)Ms. JACILY JEMILA S
(62) Divisional to Application Number	:NA	4)Dr. RAJESWARAN R
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION This invention relates to segmenting myelin from magnetic resonance images for children less than two years, which is a very difficult practical problem in the medical field . Now a day many researchers put their contribution in analyzing myelin, since it has an unexpected involvement in a wide range of psychiatric disorders. Segmentation of myelin for children less than two years is a very useful and very challenging task in medical analysis. For children less than two years myelination is in an ongoing process, so it is very difficult to use atlas based methods to segment myelin. The structural differences present in magnetic resonance imaging also make this process as a difficult one. Magnetic Resonance Images for children are very subjective, so finding a suitable algorithm for segmenting myelin is an important task. In this invention we use a Cuckoo Search McCulloch algorithm to segment myelin from magnetic resonance images for children less than two years. This algorithm is also suitable for adult brain magnetic resonance images. Now-a-days radiologist finds very difficult to segment myelin from conventional magnetic resonance images. It is very cost effective and very time effective. They manually segment myelin for medical analysis, so the results also may vary from radiologist to radiologist. So they cannot find whether the baby is normal or abnormal very accurately. So this invention is very helpful in analyzing the mental growth of the baby, because myelin is the very important part in the mental growth of the baby.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032656 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MODERNIZATION OF WATER PUMPING SYSTEM USING HYDRAULIC TURBINE

(51) International classification	:F04D 15/00	(71) Name of Applicant : 1)Mr. K. SELVAM
(31) Priority Document No	:NA	Address of Applicant :DEPT OF MECH. ENGG, MIT,
(32) Priority Date	:NA	KALITHEERTHALKUPPAM, PONDICHERRY, INDIA - 605
(33) Name of priority country	:NA	107. Tamil Nadu India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Mr. K. SELVAM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION (to be given along with complete specification on separate page) Note: this has to be prepared separately along with complete drafting after provisional filing. Water plays an important role in the material, social and cultural life of mankind. The water needs are increasing day by day. This is the result of population growth and increase in the standard of living which is directly proportional to water consumption. Our project deals with the design and the fabrication of the water pumping system using the force of the river. Here in our project we make use of the conventional water pumping

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032657 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MACHINE LEARNING BASED FINGER SLEEVE TO DETECT HEARTBEAT OF OLD AGE PATIENTS

(51) International classification :A61B5/02028
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Dr. D. RUKMANI DEVI
Address of Applicant :R.M.D. ENGINEERING COLLEGE,
RSM NAGAR, KAVARAIPETTAI, GUMMIDIPOONDI
TALUK, TIRUVALLUR DISTRICT PIN CODE - 601 206,
TAMILNADU, INDIA Tamil Nadu India

(72)**Name of Inventor :**
1)Dr. D. RUKMANI DEVI

(57) Abstract :

ABSTRACT: Heart disease is the most frequent condition in older adults and the No. 1 cause of death. To familiarize input signals using light dependent resistance and light emitting diode, a Heart Beatsensor is created. This detects a persons pulse and transforms it into electric signals. The signals are amplified by a signal conditioning system and controlled via a controller. It sets the basic principle for the HB measurement device, which relies on how much the signal is obtained. To receive input signals, the user must place his/her finger in the HB sensor. This provides a simple and reliable method for measuring the heart rate. For the continuous measurement and to detect the abnormality of the old aged patients we are proposing a supervised algorithm based device which will sort it out the problems. By giving heart beat as an input features and it outperforms the heartbeats of a person.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032664 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MODERNIZATION OF LATHE TAIL STOCK USING PNEUMATIC POWER SOURCE

(51) International classification	:B21D 22/00	(71) Name of Applicant : 1)Mr.K.Selvam
(31) Priority Document No	:NA	Address of Applicant :Dept Of Mech.Engg, MIT
(32) Priority Date	:NA	Kalitheerthalkuppam, Pondicherry, India-605 107 Pondicherry
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Mr.K.Selvam
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION (to be given along with complete specification on separate page) Note: this has to be prepared separately along with complete drafting after provisional filing. Our project focuses on the slight modification of the working mechanism of the tail stock which makes the usage of tail stock more interactive and convenient for the operator. A separate arrangement is made such that when the pneumatic system is activated the tail stock is moved forward and backwards depends up on the operation. This simple operation reduces the work of the human in moving the tail stock front and back.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032667 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : EXPERIMENTATION AND OPTIMIZATION OF MONO CYLINDER HYDRAULIC SHOCK ABSORBER USING RSM AND TAGUCHI MET

(51) International classification	:F16F 9/46	(71) Name of Applicant : 1)MR.S.GANESHKUMAR
(31) Priority Document No	:NA	Address of Applicant :DEPT OF MECH. ENGG, MIT,
(32) Priority Date	:NA	KALITHEERTHALKUPPAM, PONDICHERRY, INDIA 605
(33) Name of priority country	:NA	107. Tamil Nadu India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)MR.S.GANESHKUMAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Shock absorbers are important part of vehicles, suspension system, which is fabricated to reduce sudden impact. Shock absorber work on the principle of fluid displacement on both the compression and expansion cycle. The main aim of this project is to fabricate a shock absorber and optimizing the parameters of mono cylinder hydraulic shock absorber by using response surface methodology and also by taguchis method. Shock absorber is modeled using SOLID WORKS here the role nitrogen gas and other air component in (the shock absorber which can be rectified by fixing the port at bottom and top of the reservoir. The fabrication is done as per the modeling and the testing analysis is carried out by natural and forced damping, so that it can be implemented in automobiles and since the manufacturing cost is low. From the optimization analysis it has been found that most dominating parameter is speed of the vehicle.

No. of Pages : 15 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032676 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MODERNIZATION OF TIRE REPLACEMENT IN CAR USING PNEUMATIC JACK

(51) International classification	:B66F 3/00	(71) Name of Applicant : 1)DR.B.RADJARAM
(31) Priority Document No	:NA	Address of Applicant :DEPT OF MECH.ENGG, MIT
(32) Priority Date	:NA	KALITHEERTHAKUPPAM, PONDICHERRY, INDIA 605 107
(33) Name of priority country	:NA	Pondicherry India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)DR.B.RADJARAM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This project has unique safely features which were not provided before . we have made the pneumatic jack for lifting the four wheelers .i.e. light weight four wheeled cars .Now a days we can see hydraulic jack to lifting up the vehicles and it is tedious and very exhaustive approach. So we planned pneumatic jack for four wheelers which can be placed and operated on chassis.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032677 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DESIGN AND FABRICATION OF HOVER CRAFT USING PROPELLER THRUST FORCE

(51) International classification	:B64C 29/00	(71)Name of Applicant : 1)MR. R.KARTHIKEYAN
(31) Priority Document No	:NA	Address of Applicant :DEPT OF MECH.ENGG, MIT
(32) Priority Date	:NA	KALITHEERTHAKUPPAM, PONDICHERRY, INDIA 605 107
(33) Name of priority country	:NA	Pondicherry India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. R.KARTHIKEYAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The main objective of this project is that the power from the engine will not be transmitted to any of the four wheels. All the four wheels are independent. In which the front wheels are used to steer the vehicle and the rear wheels are used for support. On addition to that we have no differential unit for the power distribution to the wheels. The vehicle will be driven by a propeller which is coupled directly to the crankshaft of the engine. The engine will be placed at the rear end of the vehicle at suitable height from the ground (depends upon the diameter of the propeller fan used). The diameter of the fan depends upon the load placed on the vehicle, presently it is designed for testing purpose soil has a seat for the driver alone. In future the diameter of the fan can be increased or decreased depending upon the seating capacity and the load on the ATV. It is best suitable for driving in deserts, marshy lands and in quick sand areas. Since the power is not given to the wheels, the wheels will not get stuck in those areas and it will easily pass through all these areas without any problem.

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032691 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CONSUMER-ID BISECTED COMPOUND BAND ACCESS METHOD FOR A SMART GRID SYSTEM

(51) International classification

:H04W
48/20

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)DR. J. CHRISTOPHER CLEMENT

Address of Applicant :Associate Professor, School of
Electronics Engineering, Vellore Institute of Technology, Vellore,
TamilNadu, India-632007. Tamil Nadu India

2)DR. K. C. SRIHARIPRIYA

3)DR. ELIZABETH RUFUS

4)DR. G. JEGAN

(72)Name of Inventor :

1)DR. J. CHRISTOPHER CLEMENT

2)DR. K. C. SRIHARIPRIYA

3)DR. ELIZABETH RUFUS

4)DR. G. JEGAN

(57) Abstract :

The present invention relates in general to, wireless radio communication and in particular to band accessing method used in smart gridsystems. A compound band accessing system for data exchange between energy meter and smart grid, using a unique consumer ID, operating according to a method is disclosed. The method of obtaining a unique consumer ID involves the generation of a sequence of periodic binary digits, that possess an adequate correlation proper- ties. Another method and system for identifying the free radio band for compound accessing is disclosed as well, for the effective band utilization. Moreover, a system for accommodating and exchanging the smart meter data of all consumers of a particular geographical region, at the same time, within an identified band is also disclosed in this invention.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031010267 A

(19) INDIA

(22) Date of filing of Application :11/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTI CHANNEL SECURE COMMUNICATION (MCSC) WITH RADIOFREQUENCY LINK FOR WIRELESS OF THINGS (WOT)

(51) International classification :H04L0009080000,
H04L0029060000,
H04W0084180000,
H04L0009320000,
G06F0021620000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Suparno Karmakar

Address of Applicant :Room No-233, Department of
Computer Science & Engineering, University of Calcutta,
Technology Campus, JD Block, Saltlake City, Kolkata-700094
West Bengal,India

2)Banani Saha

3)Prokash Barman

(72)Name of Inventor :

1)Prokash Barman

2)Suparno Karmakar

3)Banani Saha

(57) Abstract :

The existing secure data communication in unsecured medium uses various conventional encryption methods. Modern encryption methods need huge processing power, memory and time. Also in some cases, Key Predistribution System(KPS) is used among communicating devices. With the growing need of keys or larger key size in the conventional secure communication system, the existing resources in the communicating devices suffer from resource starvation. Hence, the need of a novel mechanism for secure communication is inevitable. Instead of securing the plain text at the device end, this invention aims at making the communication channel secured. For security, a Multi Channel Secure Communication (MCSC) mechanism has been adopted. This invention has been successfully implemented in Wireless Sensor Networks (WSN) termed as Wireless of Things (WoT). The adversary needs more iterations to identify the communication channels than the existing limit of security (2^{160} iteration). This system will mitigate the resource starvation problem of existing secure data communication methods.

No. of Pages : 21 No. of Claims : 3

Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811002969 A

(19) INDIA

(22) Date of filing of Application :25/01/2018

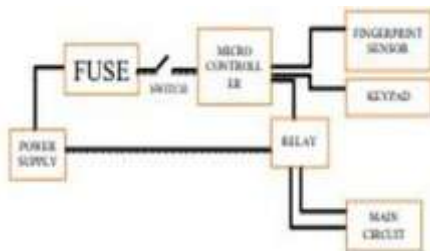
(43) Publication Date : 07/08/2020

(54) Title of the invention : SECURITY SYSTEM FOR ELECTRIC CARS

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>(71)Name of Applicant :</p> <p>1)Bhagwat Singh Shishodia Address of Applicant :MECHANICAL ENGINEERING DEPARTMENT. JODHPUR INSTITUTE OF ENGINEERING AND TECHNOLOGY, JIET UNIVERSE, MOGRA, JODHPUR, RAJASTHAN Rajasthan India</p> <p>2)Ashwani Mathur</p> <p>3)Meghraj Baid</p> <p>4)AMAN SACHDEVA</p> <p>5)Kanishk Varshney</p> <p>6)Mithlesh Gehlot</p> <p>7)YASHVARDHAN TILAYCHA</p> <p>8)Kunal Joshi</p> <p>9)BHATTESH KUMAR JANGID</p> <p>(72)Name of Inventor :</p> <p>1)Bhagwat Singh Shishodia</p> <p>2)Ashwani Mathur</p> <p>3)Meghraj Baid</p> <p>4)AMAN SACHDEVA</p> <p>5)Kanishk Varshney</p> <p>6)Mithlesh Gehlot</p> <p>7)YASHVARDHAN TILAYCHA</p> <p>8)Kunal Joshi</p> <p>9)BHATTESH KUMAR JANGID</p>
--	---

(57) Abstract :

The invented Security System comprises mainly three components which are Biometric Sensor, Antitheft Sensor and a Software Application designed on Android base. These components works together to make a complete system for the security check in vehicle and as well as work individually to control the power supply to the vehicle.



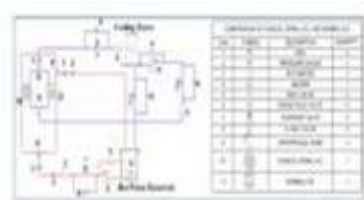
No. of Pages : 8 No. of Claims : 3

(54) Title of the invention : DESIGN OF SHELL AND CONICAL-SPIRAL-HELICAL COIL HEAT EXCHANGER

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:F28F0001120000, F28D0007020000, F28D0009000000, F24F0003060000, F28D0001047000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Bhagwat Singh Shishodia Address of Applicant :MECHANICAL ENGINEERING DEPARTMENT, JODHPUR INSTITUTION OF ENGINEERING AND TECHNOLOGY, JIET UNIVERSE, NH - 65, PALI ROAD, JODHPUR, RAJASTHAN, 342802 Rajasthan India</p> <p>2)Vaibhav Mathur</p> <p>3)Rishab Nahar</p> <p>4)Nitesh Sharma</p> <p>5)Yashpal Singh Chouhan</p> <p>6)Yogendra Gehlot</p> <p>7)Shweta Panwar</p> <p>8)Vineet</p> <p>(72)Name of Inventor :</p> <p>1)Bhagwat Singh Shishodia</p> <p>2)Vaibhav Mathur</p> <p>3)Rishab Nahar</p> <p>4)Nitesh Sharma</p> <p>5)Yashpal Singh Chouhan</p> <p>6)Yogendra Gehlot</p> <p>7)Shweta Panwar</p> <p>8)Vineet</p>
--	--	--

(57) Abstract :

Heat exchangers are the important engineering devices in which heat is transferred from one fluid to another. The hot fluid gets cooled, and the cold fluid is heated. Heat exchangers are widely used in various kinds of application such as power plants, chemical process plants, refrigeration and air conditioning systems, heat recovery systems, space vehicles, biomedical industries. The heat transfer surface area of both conical spiral-helical coil heat exchanger and simple heat exchanger are kept same for comparative analysis. The purpose of this experiment is to compare the heat transfer in conical spiral-helical coil heat exchanger and simple heat exchanger. This research is focuses on the designing of counter-flow shell and spiral -conical-helical coil heat exchanger to increase the heat transfer coefficient by increasing contact area and time between hot and cold fluids. The thermal analysis is carried out considering the various parameters such as flow rate of hot water, flow rate of cold water, overall heat transfer coefficient and effectiveness.



No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811003086 A

(19) INDIA

(22) Date of filing of Application :25/01/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A NOVEL PHARMACEUTICAL TOPICAL FORMULATION OF INSULIN FOR THE TREATMENT OF DIABETES MELLITUS THEREOF

(51) International classification	:A61K0038280000, A61K0009000000, A61K0047100000, A61K0047140000, A61K0047440000	(71)Name of Applicant : 1)TULSHI CHAKRABORTY Address of Applicant :M.M COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA, AMBALA, HARYANA , INDIA. Haryana India
(31) Priority Document No	:NA	2)VIPIN SAINI
(32) Priority Date	:NA	3)SUMEET GUPTA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)TULSHI CHAKRABORTY
Filing Date	:NA	2)VIPIN SAINI
(87) International Publication No	: NA	3)SUMEET GUPTA
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to Pharmaceutical topical insulin formulation for the treatment of diabetes mellitus. In this preparation method it is easy to formulate the active ingredient which comprises preferably of recombinant human insulin. The formulation is fast drying and long sticking on topical skin so, insulin is able to continuously and stably release through topical skin during a long time without irritant and allergic reaction to the skin.

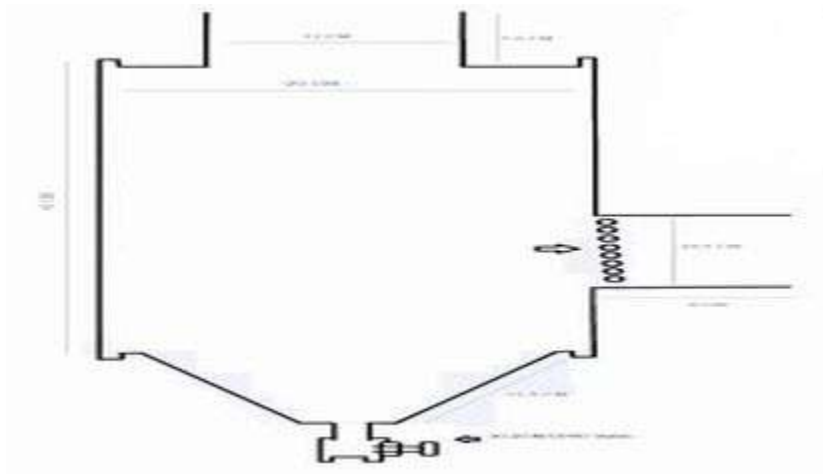
No. of Pages : 14 No. of Claims : 8

(54) Title of the invention : RAIN WATER HARVESTING SEPARATOR OF DUST AND CLEAN WATER

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:F16C0033780000, E03F0005100000, B28D0007020000, B01D0021260000, C10L0003100000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Sumeet Khanna</p> <p>Address of Applicant :10, Malviya Complex, Madan Mohan Malviya Road, Amritsar Punjab India</p> <p>(72)Name of Inventor :</p> <p>1)Sumeet Khanna</p>
---	--	--

(57) Abstract :

The instrument separates the Dust, Muddy Water and Heavy particles in the rain water by the Natural Gravitational force and flow out into the sewerage from the bottom opening and the water containing the Less Dirt is flowed from the side exit to bore well or storage tank.



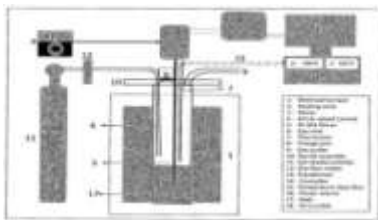
No. of Pages : 2 No. of Claims : 0

(54) Title of the invention : AN IMPROVED PROCESS FOR REFINING OF CRUDE/SPONGE MAGNESIUM USING A MODIFIED FLUX

(51) International classification	:C21C 5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI
(33) Name of priority country	:NA	MARG NEW DELHI-110001 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KRISHNA KUMAR
(87) International Publication No	: NA	2)MANOJ KUMAR
(61) Patent of Addition to Application Number	:NA	3)NAVNEET SINGH RANDHAWA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

1. This invention led to develop a modified cover flux mixes suitable for melting and/or refining of magnesium produced by the Electrothermal process having purity in the range of 85-95 %. 2. Sodium chloride (NaCl) is a cheaper salt compared to potassium chloride (KCl) and in this study the KCl is significantly replaced by NaCl to an extent of 5 to 30 %, and there is no any adverse effect on refining. 3. Hexahydrate of magnesium chloride can be used with preheating and grinding, which is economically advantageous. 4. Use of argon gas at given flowrates, prevents the oxidation of metal during refining very efficiently and it is also environmental friendly.



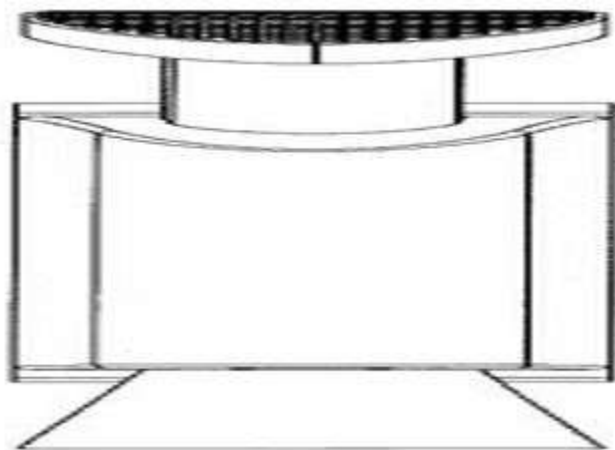
No. of Pages : 20 No. of Claims : 4

(54) Title of the invention : AN INNOVATIVE GROOVE AND HOOK' TYPE LOCKING/UNLOCKING MECHANISM BASED DOOR STOPPER

(51) International classification	:E05C 17/00	(71)Name of Applicant : 1)MR. SURINDER SINGH
(31) Priority Document No	:NA	Address of Applicant :A-1/361, SECOND FLOOR, PASCHIM VIHAR, NEW DELHI-110063, INDIA Delhi India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)MR. SURINDER SINGH
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention pertains to the field of door stoppers, or door stopping devices, and is in particular, directed towards a manually operable 'groove and hook' type locking/unlocking mechanism based door stopper that is equipped with a simple mounting means, for effective and smooth door stopping functions, applicable to any kind of door, inclusive of domestic / office / corporate / industrial / office houses and vehicular applications. The invention focuses on providing a new and innovative concept of a mechanically based door stopping function wherein the invention is installed on the door with the help of the mounting means. On pressing the push button at the top, the locking mechanism in the invention becomes activated, resulting in door stopper coming into active/working position, and the movable pin type rod is pushed down and the basal fixing mechanism gets activated and the rubber padding gets fixed on the floor to prevent the door from closing. On re-pressing the push button at the top the unlocking mechanism gets activated and the door stopper comes to resting/non-working position.



No. of Pages : 22 No. of Claims : 10

(54) Title of the invention : AN IMPROVED GROSSING SCALE

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DR. PRADKSHANA VIJAYAddress of Applicant :DEPT OF ORAL PATHOLOGY AND
MICROBIOLOGY, KING GEORGE MEDICAL UNIVERSITY
LUCKNOW, UTTAR PRADESH-226003, INDIA Uttar Pradesh
India**2)PROF. MOHD. PARVEZ KHAN****3)PROF. NILESH PARDHE****4)DR. MANAS BAJPAI**

(72)Name of Inventor :

1)DR. PRADKSHANA VIJAY**2)PROF. MOHD. PARVEZ KHAN****3)PROF. NILESH PARDHE****4)DR. MANAS BAJPAI**

(57) Abstract :

The present invention provides an improved grossing scale for measuring oral tissue. The grossing scale has a solid plastic platform with scales including calibrations for length, breadth and height. The third component which measures height/ depth is detachable on the length scale.

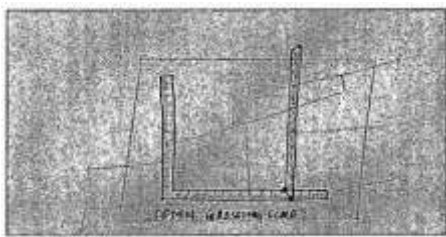


Fig 1

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811022065 A

(19) INDIA

(22) Date of filing of Application :13/06/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : CHIKUNGUNYA VIRUS PROTEASE INHIBITORS AND USES THEROF

(51) International classification	:A61K 38/55	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(32) Priority Date	:NA	Address of Applicant :ROORKEE UTTARAKHAND-
(33) Name of priority country	:NA	247667, INDIA Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHAILLY TOMAR
(87) International Publication No	: NA	2)PRAVINDRA KUMAR
(61) Patent of Addition to Application Number	:NA	3)HARVIJAY SINGH
Filing Date	:NA	4)RAJAT MUDGAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to two peptidomimetic compounds, which inhibit chikungunya protease and use of their composition to treat chikungunya viral infections. More particularly, it provides the methods for inhibitor screening against nsP2 protease and chikungunya viral infections. These protease inhibitory compounds have their inhibitory effects on the purified nsP2 enzyme from chikungunya virus and the composition of these compounds combination inhibit virus replication in cell culture-based assays.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811022066 A

(19) INDIA

(22) Date of filing of Application :13/06/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A METHOD OF SYNTHESIS OF LITHIUM VANADATE ON GRAPHENE OXIDE

(51) International classification	:C01B 32/198	(71) Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(31) Priority Document No	:NA	Address of Applicant :ROORKEE UTTARAKHAND-
(32) Priority Date	:NA	247667, INDIA Uttarakhand India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)NISHANT GAUTAM
Filing Date	:NA	2)TAPAS KUMAR
(87) International Publication No	: NA	3)MANDAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a simple, short and cheaper template free one-pot synthetic route for the preparation of hierarchical mesoporous Li VO on graphene oxide (GO) as an active anode material for lithium ion batteries (LIBs).

No. of Pages : 19 No. of Claims : 9

(54) Title of the invention : A BATTERY CHARGER UNIT WITH DISPLAY

(51) International classification :H02J0007000000,
G06F0003048500,
H02J0007040000,
H01M0002100000,
H04W0004210000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KUMAR, Sandeep
Address of Applicant :H. No. 25/B, Gali No.5, Basant Vihar,
Karnal - 132001, Haryana, India. Haryana India

(72)Name of Inventor :
1)KUMAR, Sandeep

(57) Abstract :

The present disclosure discloses a battery charger with a display. The battery status of a device connected to the charger is displayed on the charger™s display. Also, the notifications received on the device connected to the charger are received and displayed on the display of the charger. Further the time, day and date information of the connected device is displayed on the display of the battery charger.

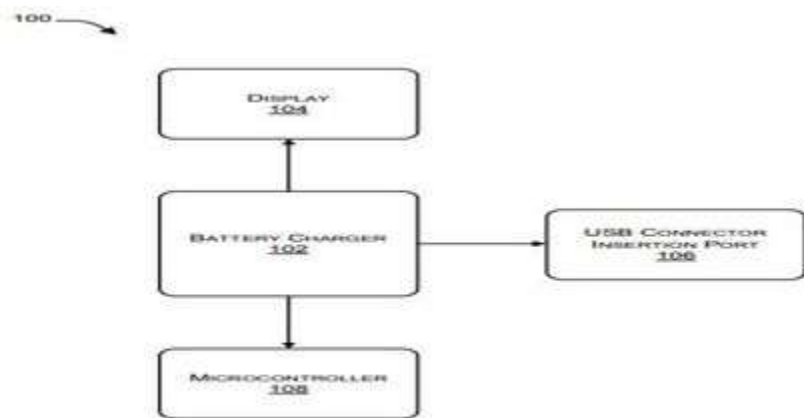


FIG. 1

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026223 A

(19) INDIA

(22) Date of filing of Application :13/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : SHOWER WATER MONITORING, CONTROL AND DISPLAY SYSTEM

(51) International classification	:E03C0001040000, E03B0007070000, H04Q0009000000, E03C0001050000, G01F0015075000	(71)Name of Applicant : 1)ANAND, BHUPINDER PAL SINGH Address of Applicant :D-192, Phase 8B, Industrial Area, S.A.S. Nagar, Mohali- 160071, India Punjab India 2)KAPOOR, VIVEK
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)ANAND, BHUPINDER PAL SINGH
(33) Name of priority country	:NA	2)KAPOOR, VIVEK
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A shower water monitoring, control and display system adapted to be installed with the shower (1) and capable of controlling (10), monitoring and display (9) of the amount of water usage in the shower. A shower water monitoring, control system and display system is comprising a solenoid valve (6), a flow sensor (4), a micro-controller (10), a Wi-Fi kit module, a Battery cell with an electronic console mounts on the shower wall with an OLED display (9) connected to a shower pipe (2) to track water usage and helps to save water by gentle electronic control. The objective of the invention is to provide a composite Shower water monitoring, control and display system.

No. of Pages : 21 No. of Claims : 21

(54) Title of the invention : SYNBIOTIC COMPOSITION FOR IMPROVING IMMUNE RESPONSE AND ANTIOXIDANT CAPACITY DURING AGING AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A23L 33/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001, INDIA Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)ROHIT SHARMA
Filing Date	:NA	2)MAHESH GUPTA
(87) International Publication No	: NA	3)MADHU KUMARI
(61) Patent of Addition to Application Number	:NA	4)ASHU GULATI
Filing Date	:NA	5)YOGENDRA S PADWAD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT SYNBIOTIC COMPOSITION FOR IMPROVING IMMUNE RESPONSE AND ANTIOXIDANT CAPACITY DURING AGING The present invention provides a synbiotic combination of i) a probiotic micro-organism comprising of a Lactobacillus strain, and ii) a catechin component comprising EGCG that acts as a second generation synbiotic with synergistic effects in improving the immune response and antioxidant capacity during aging that may beneficially affect the health of elderly. The catechin fraction exhibited differential effects on growth of bacteria with strong inhibition of pathogenic bacteria as opposed to probiotic bacteria suggesting its prebiotic efficacy. In vitro testing indicated protective effects of catechin and probiotics in a synergistic manner resulting in amelioration of oxidative and inflammatory stress. In vivo analysis in aging animals further indicated that the synbiotic combination could rejuvenate the aging immune system by enhancing cellular immune response with increase in numbers (CD3+ T cells) as well as activation status of cellular immune cells (CD3+ T cells/neutrophils) along with their functional capacity (Th1/Th2 immune response) coupled with a corresponding decrease in humoral immune response (IgA) in intestine suggesting the impact of synbiotics in activating cellular immunity. Further, total antioxidant capacity (in plasma) increased in synbiotic fed animals with increased Nrf2 expression while no unwarranted exacerbation of inflammation (NfκB expression) was observed in liver extracts. Several of the observed effects showed synergism wherein the effect of synbiotics was more pronounced than pure additive effects of individual components. Together, it appears that this novel synbiotic formulation could significantly impact aging physiology and help ameliorate some of the deleterious effects during aging.

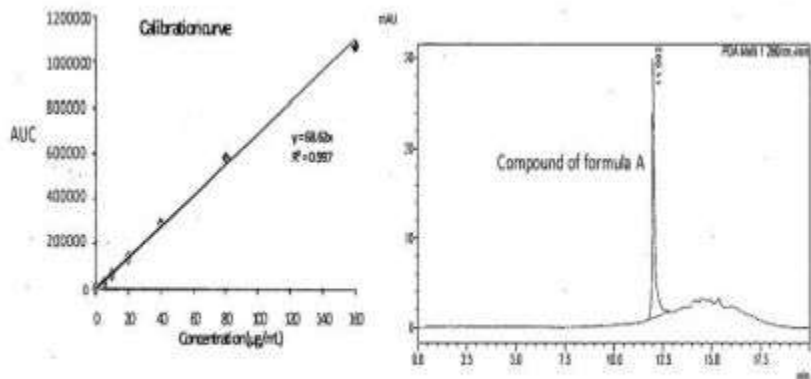


Figure 1

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026380 A

(19) INDIA

(22) Date of filing of Application :16/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATED SYSTEM AND METHOD FOR GENERATING AYURVEDA BASED DIAGNOSIS AND TREATMENT PLAN

(51) International classification	:G16H0050200000, A61B0005000000, G01N0033680000, G16H0010600000, A61K0049220000	(71) Name of Applicant : 1)Jiva Institute of Vedic Science and Culture Address of Applicant :1144, Sector 19, Faridabad - 121002, Haryana Haryana India 2)Jiva Ayurvedic Pharmacy Limited
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Rishi Pal Chauhan
(33) Name of priority country	:NA	2)Pratap Singh Chauhan
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a protocol-based processing method for assisting in the diagnosis and treatment of medical problems of a patient as per the ayurvedic teachings. The method includes receiving one or more baseline symptoms in a memory, receiving one or more diagnoses in the memory, classifying the diagnoses that correspond to the baseline symptoms as diagnoses linked to the baseline symptoms, and rendering the diagnoses accessible on the basis of the corresponding baseline symptoms.

No. of Pages : 13 No. of Claims : 7

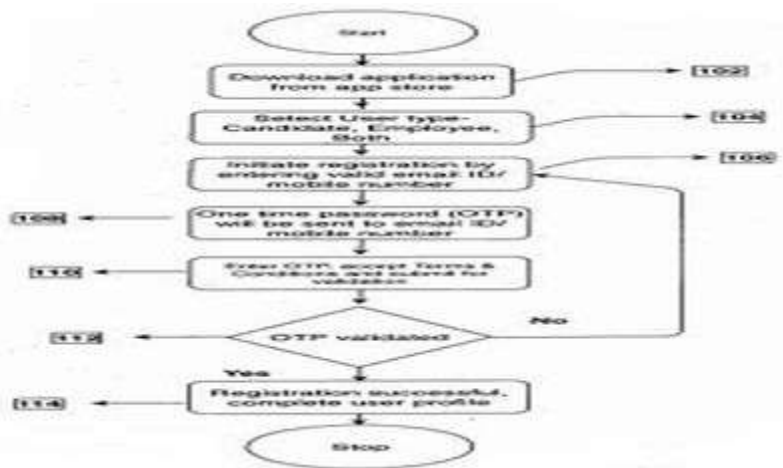
(54) Title of the invention : A SYSTEM AND METHOD TO PROVIDE INSTANT MANPOWER EMPLOYMENT OPPORTUNITY TO EMPLOYER AND CANDIDATE, USING DEVICES SUCH AS SMART PHONE, TABLET MOBILE PHONES, COMPUTER HAVING INTERNET CONNECTIVITY AND LOGICAL MEANS FOR DETERMINING THE GEOGRAPHICAL REAL TIME LOCATION

(51) International classification :G06Q 10/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)ANSHUMAN SHUKLA
 Address of Applicant :A-96, FLAT C, SHALIMAR GARDEN
 EXT II, SAHIBABAD, GHAZIABAD, UTTAR PREDESH-
 201005, INDIA Uttar Pradesh India
 (72)Name of Inventor :
1)ANSHUMAN SHUKLA

(57) Abstract :

NAA system and method for providing instant manpower employment using real time GPS coordinates of employer and candidate/s devices such as Smartphone or tablet via software application accessible to User/s. Icon of instant manpower employment application displays on the employer and candidate/s devices, having active Internet-connectivity, location-technology, and logic means for determining the real-time geographical location of both. The location coordinates of the devices are used to identify employer and candidate/s locations that correlate with employer's preferences in terms of location and desired skillsets, preferred date and time of services required. Where a correlation is found, employer trigger a notification of an offer of engagement from his device to candidate's device and the candidate/s notifies the acceptance/rejection of an offer. Offer acceptance will establish an employment agreement between the two. The system also facilitates users to provide the feedback & reporting of the engagements.



No. of Pages : 12 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026608 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : TRANSFORMING INFORMATION ON DIGIBOARDS FOR THE PREPARATION OF LOGISTICS

(51) International classification	:H04N 5/66	(71)Name of Applicant : 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS
(32) Priority Date	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)A. SAI SABITHA
(87) International Publication No	: NA	2)RITU PUNHANI
(61) Patent of Addition to Application Number	:NA	3)SONIA SAINI
Filing Date	:NA	4)GARVIT MITTAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method for transforming information on Digiboards for the preparation of logistics. Digiboards are using Internet of Things to provide information of the time table of the faculties and events that are being held in the department or at the university level with their venue and time. The digiboard comprises of Arduino Mega controller, RTC, wifi module. Arduino Mega controller is used for the processing and data support.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026609 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : ROBOTIC AIR PURIFIER WITH ELECTRICITY GENERATION

(51) International classification	:F24F 1/0328	(71) Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant :AMITY UNIVERSITY CAMPUS SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)A. SAI SABITHA
(87) International Publication No	: NA	2)RITU PUNHANI
(61) Patent of Addition to Application Number	:NA	3)RASHBIR SINGH
Filing Date	:NA	4)BHAKTI SINGH
(62) Divisional to Application Number	:NA	5)BHAANUJ ANAND
Filing Date	:NA	

(57) Abstract :

Robotic air purifier with electricity generation The present invention provides a robotic air purifier and power generator unit to purify the air as well as to generate electricity using solar panel, piezoelectricity and dynamo connected to magnetic motors The generated electricity is stored in rechargeable batteries and gives power to the micro-controller board of the unit. The body of the robot is surrounded by three solar panels forming a box like structure. The structure consists of a gel sheet at the bottom, fan, vacuum, AC filter, carbon filter, HEPA filter, batteries, TEG module, micro-controller, piezo electric generator, dynamo with magnetic motor and communication module.

No. of Pages : 14 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026610 A

(19) INDIA

(22) Date of filing of Application :17/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A METHOD FOR SYNTHESIS OF GREEN BISMUTH MOLYBDATE AND ITS COMPOSITES

(51) International classification	:C09B 47/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS
(33) Name of priority country	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SEEMA GARG
(61) Patent of Addition to Application Number	:NA	2)MOHIT YADAV
Filing Date	:NA	3)AMRISH CHANDRA
(62) Divisional to Application Number	:NA	4)BRIJESH KUMAR SHUKLA
Filing Date	:NA	

(57) Abstract :

The present invention provides a method for synthesis of green Bismuth molybdate ($\text{Bi}_2\text{MoO}_{10}$) and its composites using bismuth oxyhalides have been successfully synthesized via plant leaf extract mediated hydrolysis route. The enhanced photocatalytic activity is attributed to the role of plant extract that added some additional features to green samples such as smaller size, mesoporous structure with higher surface area, lower band gap and effective separation of electron-hole pairs.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026919 A

(19) INDIA

(22) Date of filing of Application :19/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PHARMACEUTICAL FORMULATION AND A PROCESS THEREOF

(51) International classification	:A61K0031196000, A61K0009000000, A61K0047140000, A61K0047100000, A61K0047120000	(71) Name of Applicant : 1)GUNJAN KUMAR Address of Applicant :Pocket A-8, # 68, 2nd Floor Kalkaji Extension, New Delhi 110 019, India Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)GUNJAN KUMAR
(33) Name of priority country	:NA	2)ANURAG KUMAR
(86) International Application No	:NA	3)JATINDER DHARI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure is in relation to a pharmaceutical formulation, which is in the form for a spray. Particularly, the present disclosure offers a spray formulation of Diclofenac, which is non alcoholic and non aqueous, for relieving pain in a subject in need thereof. The present disclosure also provides a process / methodology to prepare the spray formulation of Diclofenac.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026967 A

(19) INDIA

(22) Date of filing of Application :19/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : IOT BASED SMART HEALTH MONITORING SYSTEM FOR DISTRIBUTION/POWER TRANSFORMER

(51) International classification	:G05B 19/4063	(71) Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant :AMITY UNIVERSITY CAMPUS SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SAKET KUMAR
(87) International Publication No	: NA	2)RAJKUMAR VIRAL
(61) Patent of Addition to Application Number	:NA	3)PYARE MOHAN TIWARI
Filing Date	:NA	4)HEMENDRA PAL SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an IoT based smart health monitoring system for distribution/power transformer. If there is any uncertainty or unpredicted behaviour is examined the necessary action can be taken immediately. The monitoring system monitors both electrical and non-electrical parameters of a power or distribution transformer.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811026968 A

(19) INDIA

(22) Date of filing of Application :19/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A COMPOSITE COMPRISING OF ENCAPSULATED BACILLUS PSEUDOMYCOIDES AND IRON OXIDE NANOPARTICLES FOR THE REMOVAL OF TOXIC DIAZO DYE CONGO RED

(51) International classification	:A61K 49/00	(71) Name of Applicant : 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(32) Priority Date	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)NAVEEN KUMAR
(87) International Publication No	: NA	2)SURBHI SINHA
(61) Patent of Addition to Application Number	:NA	3)TITHI MEHROTRA
Filing Date	:NA	4)AISHWARYA MISHRA
(62) Divisional to Application Number	:NA	5)RACHANA SINGH
Filing Date	:NA	

(57) Abstract :

The present invention provides a composite comprising of encapsulated Bacillus pseudomycoides and iron oxide nanoparticles for the removal of toxic diazo dye Congo Red. The novel composite is synthesized using bacterial biomass Bacillus pseudomycoides isolated from domestic wastewater and immobilized using iron oxide nanoparticles and calcium alginate.

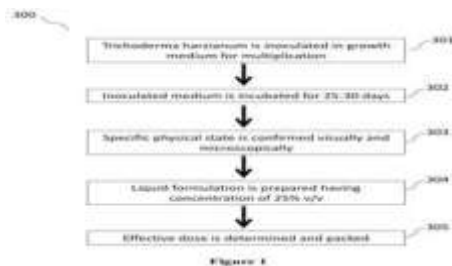
No. of Pages : 7 No. of Claims : 2

(54) Title of the invention : BIOLOGICAL FUNGICIDAL FORMULATION AND METHOD THEREOF

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)CCS - Haryana Agricultural University Address of Applicant :Hisar, Haryana 125004, India Haryana India</p> <p>(72)Name of Inventor :</p> <p>1)Kishor Chand Kumhar</p>
---	---	---

(57) Abstract :

The present invention provides a novel biological fungicidal formulation and the method of preparing the same. The formulation been made by using Trichoderma harzianum and is being provided in liquid concentrated form. The formulation has enhanced efficacy and extended shelf life of one to three years.



No. of Pages : 14 No. of Claims : 14

(54) Title of the invention : AN ASSISTIVE TRANSFER SYSTEM FOR WHEELCHAIR USERS

(51) International classification	:A61G0005100000, A61G0007100000, B60N0002750000, A61G0007053000, A61B0034000000	(71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY DELHI Address of Applicant :Hauz Khas New Delhi India 110016 Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)RAO, Parigi, Vedanti, Madhusudhan
(33) Name of priority country	:NA	2)KUMAR, Amit
(86) International Application No	:NA	3)GUHA, Rituparna
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to the present invention, a wheelchair (206) to assist patient transfer is disclosed. The wheelchair comprises at least one modified wheel comprising a detachably removable rim part (306) of the modified wheel. Further, a rotatable armrest (402) is positioned on the same side where the modified wheel is located. The rotatable armrest (402) is configured to rotate at least up to 180 degrees along its axis. In operation of assisting the patient transfer to a destination medium, the detachable removable rim part is removed thereby creating a gap between the wheelchair and the destination medium, and the rotatable armrest is rotated to bridge the gap.



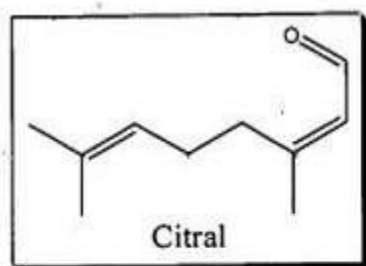
No. of Pages : 44 No. of Claims : 12

(54) Title of the invention : INTENSIFIED INHIBITOR FORMULATION TO CONTROL CORROSION OF MILD STEEL

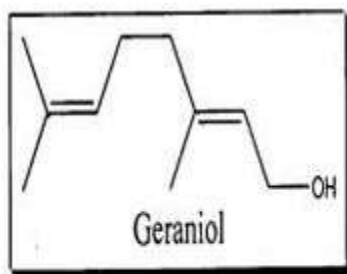
(51) International classification	:C10G 75/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY, MURTHAL, HARYANA
(32) Priority Date	:NA	Address of Applicant :DEENBANDHU CHHOTU RAM
(33) Name of priority country	:NA	UNIVERSITY OF SCIENCE AND TECHNOLOGY,
(86) International Application No	:NA	MURTHAL, SONEPAT, HARYANA-131039, INDIA Haryana
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. SUMAN LATA
Filing Date	:NA	2)DR. SUMIT KUMAR
(62) Divisional to Application Number	:NA	3)MS. PRITI PAHUJA
Filing Date	:NA	

(57) Abstract :

A method for controlling corrosion for Mild Steel by introducing formulation of essential oil - Lemon Grass Oil (LGO), halide ions and surfactant in sulphuric acid and hydrochloric acid has been studied using Weight loss, Electrochemical impedance spectroscopy, Electrochemical polarization supplemented by surface analysis with the help of Scanning Electron Microscopy, Atomic Force Microscopy, and quantum chemical calculations. The inhibition efficiency has been analysed for 3-6 h immersion at 300-365K in sulphuric acid and hydrochloric acid. The LGO inhibition efficiency is increased remarkably and is >96-99 % even at low dosage of LGO synerized with 10-65 parts per million halide ions.



A



B

Fig. 1

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811027261 A

(19) INDIA

(22) Date of filing of Application :20/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN IMPROVED WAX COMPOSITION

(51) International classification	:C08L0023080000, C10G0065120000, A61K0008920000, C10G0002000000, C08L0023060000	(71) Name of Applicant : 1)Bharat Petroleum Corporation Ltd. Address of Applicant :Corporate Research and Development Centre, BPCL, Greater Noida-201306, Uttar Pradesh, India. Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)MAHESHWARI, Sonal
(33) Name of priority country	:NA	2)AHSAN, Mohammad Muzaffar
(86) International Application No	:NA	3)THORAT, Tushar S.
Filing Date	:NA	4)BHARGAVA, Sanjay
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An aspect of the present disclosure provides a wax composition including: at least one petroleum based component extracted from any or a combination of: medium vacuum gas oil (MVGGO), heavy vacuum gas oil (HVGGO), light vacuum gas oil (LVGO) and Unconverted oil (UCO); at least one ethylene based polymeric component selected from a group comprising HDPE, LDPE, LLDPE and PE wax; and Fischer Tropsch wax, wherein said composition exhibits any or a combination of: (A) drop melting point ranging from 65°C to 95°C, and (B) needle penetration ranging from 5 to 35, when measured at 25°C, 5 seconds, 100 gram with 1/10 mm needle. Another aspect of the present disclosure relates to a method of preparing a wax composition. The improved wax composition of the present disclosure can find utility in production of tires, rubbers, adhesives, lamination, cosmetics, castings, and host of other applications.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811027323 A

(19) INDIA

(22) Date of filing of Application :21/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN IMPROVED FLUORESCENCE ANALYZER SYSTEM

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)J. Mitra & Co. Pvt. Ltd & HTIC Address of Applicant :A-180, Okhla Industrial Area, Phase-1, New Delhi- 110020, India. Delhi India 2)Healthcare Technology Innovation Center
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Mahajan; Lalit
(33) Name of priority country	:NA	2)Mahajan; Nitin
(86) International Application No	:NA	3)Joseph; Jayaraj
Filing Date	:NA	4)Kiruthi Vasam; Jayaraman
(87) International Publication No	: NA	5)Sivaprakasham; Mohanashankar
(61) Patent of Addition to Application Number	:NA	6)Shah; Malay
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An improved quantitative fluorescence image analyzer system for rapid point of care immunoassay's. It is an accurate, more reliable and easy to operate which can read the immunoassay tests and quantitative result values of analytes present in tested sample very quickly. It is highly sensitive system which is capable of qualitatively/quantitatively determining the concentration of analytes present in the sample by LED induced fluorescence detection technique thereby display the result as positive or negative .. This can be operated with minimum amount of skill and labour and designed in a modular manner with each subsystem catering to a specific desired functionality.

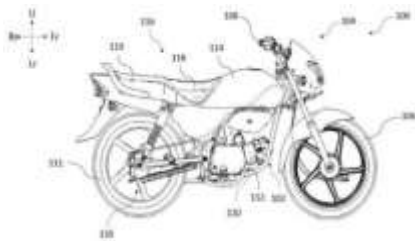
No. of Pages : 28 No. of Claims : 7

(54) Title of the invention : SPEED DECELERATION SYSTEM OF VEHICLE •

(51) International classification	:B60T0017080000, B62L0003080000, B60T0011060000, B60T0011040000, F16D0065560000	(71)Name of Applicant : 1)Hero MotoCorp Limited Address of Applicant :34, Community Center, Basant Lok, Vasant Vihar, New Delhi - 110057, India Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DEEPENDRA SINGH SHEKHAWAT
(32) Priority Date	:NA	2)VINIT VIJAY DESHPANDE
(33) Name of priority country	:NA	3)ASHISH NAGAR
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vehicle (100) is provided. The vehicle (100) comprises a speed deceleration system (130). The speed deceleration system (130) comprises a front brake unit (132), and a rear brake unit (134) having a rear brake cam shaft (135). The speed deceleration system (130) further comprises a first force transmitting member (148), a brake actuating means (138), a second force transmitting member (150), and a brake linkage mechanism (145). The brake linkage mechanism (145) (200) is configured to distribute brake operating force transmitted by the second force transmitting member (150), to the front brake unit (132) and the rear brake unit (134). The brake linkage mechanism (145) (200) comprises a first brake link (160) (202), a biasing member (165) (206), and a second brake link (162) (204) configured to rotate the rear brake cam shaft (135).



No. of Pages : 42 No. of Claims : 13

(54) Title of the invention : FUEL TANK SYSTEM •

(51) International classification :F02M0025080000,
B01D0045160000,
F02M0037000000,
B60K0015063000,
H01M0008061200

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

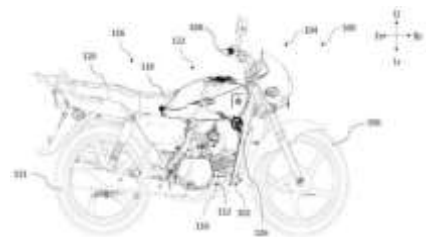
1)Hero MotoCorp LimitedAddress of Applicant :34, Community Center, Basant Lok,
Vasant Vihar New Delhi - 110057, India Delhi India

(72)Name of Inventor :

1)ANKIT GUPTA

(57) Abstract :

In one aspect of the present invention a vehicle (100) is provided. The vehicle (100) includes a frame (102); and a fuel tank system (122). The fuel tank system (122) comprises a fuel tank (124); and an evaporated fuel processing system (135). The evaporated fuel processing system (135) comprises: a canister (136); a vapor-liquid separator (138), a first tube (160) having a first tube first end (162) and a first tube second end (164); and a second tube (170) in fluidic communication with the vapor-liquid separator (138) and the canister (136). The second tube (170) comprises a second tube first end (174) and a second tube second end (176). The second tube second end (176) extends into the vapor-liquid separator (138) to a level above the first tube first end (162).



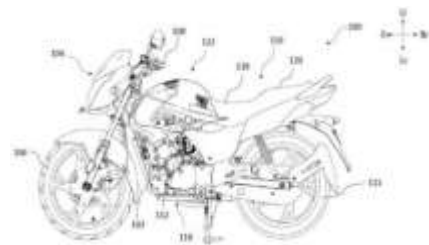
No. of Pages : 27 No. of Claims : 10

(54) Title of the invention : FUEL TANK SYSTEM

(51) International classification	:F02M0037100000, F02M0037000000, B60K0015030000, F02M0037220000, B60K0015077000	(71) Name of Applicant : 1)Hero MotoCorp Limited Address of Applicant :34, Community Center, Basant Lok, Vasant Vihar New Delhi Delhi - 110057 India Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)SUHARTO SENGUPTA
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one aspect of the present invention, vehicle (100) is provided. The vehicle includes a frame member (126); and, a fuel tank system (122). The fuel tank system (122) comprises, a fuel tank (124) mounted on the frame member (126). The fuel tank (124) comprises a fuel chamber (144); a fuel filling inlet (129); and a bottom wall (132) having a first aperture (148); a fuel pump (160) operatively coupled to the fuel tank (124), the fuel pump (160) having a suction port (161); a retainer structure (150) attached to the fuel tank (124) from inside, the retainer structure (150) being configured to retain fuel, wherein the retainer structure (150) surrounds the suction port (161); and a fuel transfer pipe (170) fluidly connecting the fuel chamber (144) to interior of the retainer structure (150).



No. of Pages : 29 No. of Claims : 10

(54) Title of the invention : A NOVEL ECOKART FRAME

(51) International classification	:B65D0051280000, B65D0090020000, F26B0013000000, B65D0090000000, E21B0034100000	(71)Name of Applicant : 1)ANKIT DUBEY Address of Applicant :3-U-73 KUDI BHAGTASNI HOUSING BOARD,JODHPUR Rajasthan India 2)DIVYANSHU VYAS 3)PALLAV MATHUR
(31) Priority Document No	:NA	(72)Name of Inventor : 1)ANKIT DUBEY 2)DIVYANSHU VYAS 3)PALLAV MATHUR
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel ecokartstructure comprised of novel chassis structure supported with advanced design bumpers; and advanced seat adjusting mechanism,whereinthe chassis frame essentially comprised of strategically placed number of rods in the hexagonal frame. The frame is made from mild steel circular pipes to increase the strength of kart against multidirectional accidental impacts. After conducting calculations and considering ergonomics, a frame has been designed to optimize strength to weight ratio, alterations were made in thisframe. For enhancing the safety of kart, roll over protection and bumpers are designed,in order to obtain an ecokart having high impact resistance, comfortable built and an assembly that is cost effective.



No. of Pages : 27 No. of Claims : 9

(54) Title of the invention : SURFACE MODIFICATION OF TITANIUM BY INCORPORATION OF CARBON ON SURFACE AND WITH ITS DENTAL, MEDICAL AND OTHER APPLICATIONS

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)PROF RAJESH BANSAL Address of Applicant :FLAT NO. 401, LION ENCLAVE BLOCK-B, SUNDERPUR, VARANASI, UP.-221005, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)PROF RAJESH BANSAL
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Carbon is principle constituent element of human body and carbon has shown high biocompatibility to the cells. Carbon implants have proven to be highly biocompatible, although, these are not tough materials. The principle purpose of present investigation was to invent a procedure by which a new biomaterial which possess the properties of both the titanium and carbon. Thus a titanium (cp-Ti) surface has been carbonized by using pure graphene by a novel procedure. The cp-Ti 2mm thick samples were sectioned with a hacksaw and the sides were smoothed by mechanical polishing. Samples were mechanically polished with emery paper of 1/0 to 4/0 grades and finally on sylvet cloth, mounted on a polishing wheel, using suspension of alumina powder in water as abrasive. The samples were cleaned in water using ultrasonic cleaner for 8 minutes and then washed with acetone. The samples were air dried and kept in desiccators. The titanium sample was kept in quartz tubular furnace for carbonizing. The tube was first evacuated using rotary pump in the order of 10 torr and then the sample was heated upto the desired temperature of 300°C, 400°C, 600°C and 650°C at a constant heating rate of 20° per minute. When the growth temperature was reached hexane as a liquid precursor for carbon was introduced/injected into the growth chamber for 10 minutes and then after completion of process the furnace was allowed to cool to the room temperature. Throughout the whole process the hydrogen gas was flown at a constant flow rate of 40 SCCM. The samples were removed with clean twizzer and kept in desiccators followed by the desired characterization. Thus the surfaces of titanium created by carbonization using aforesaid novel graphene technique combine the good mechanical properties of titanium and biocompatibility of carbon. The material prepared by this technique is hydrophilic and rougher hence more biocompatible for osseointegration in Dental, orthopedic and other applications. The wettability of the surfaces was examined and was found to improve, this is important to improve .the adsorption of fluid and proteins on the surface and cells to attach, spread, proliferate and lay down bone/tissue adhesion on implant surface. Therefore, composite material formed by incorporation of carbon is a great biomaterial for dental, Medical and other day to day applications.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811027726 A

(19) INDIA

(22) Date of filing of Application :24/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PROCESS AND APPARATUS FOR RECYCLING NON-USABLE METALLIZED FILM

(51) International classification	:B03B0009060000, B29B0017000000, B29B0017040000, A61K0009200000, B29B0017020000	(71) Name of Applicant : 1)JINDAL POLY FILMS LTD. Address of Applicant :Plot No. 12, Sector B-1, Local Shopping Complex, Vasant Kunj, New Delhi 110070, India Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)SANJAY KAPOTE
(33) Name of priority country	:NA	2)SHIVANSHU CHAUHAN
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to recycling metallized film waste/trims and converting it to usable material. The invention provides a process and apparatus for processing non usable metallized film waste such as trims/sheets of any shape and size to yield a usable material that is free of acidic nature. The metallized waste/trims are processed by converting it into fluff form, treating with chemicals, water washed and finally dried to obtain final fluff (non-acidic/neutralised in nature), which can then be processed further to produce re-processed granules (RPG) which can be used for film production or other moulding purposes, etc. De-metallization process for metallized waste films/trims comprises of 3 stages.



No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811027862 A

(19) INDIA

(22) Date of filing of Application :24/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : IMPROVED PLASTIC ELECTRICAL CONDUITS WITH ENHANCED DIELECTRIC STRENGTH & ELECTRICAL INSULATION PROPERTIES AND PROCESS OF PRODUCTION THEREOF

(51) International classification	:H01F0027320000, H01B0003440000, H01B0003220000, H01B0007280000, H01B0003000000	(71) Name of Applicant : 1)VOHRA, MOHIT Address of Applicant :3/31, Faridabad, Haryana, India 121003 Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)VOHRA, MOHIT
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The process for production of improved plastic electrical conduits with superior dielectric strength and insulation properties is disclosed, wherein the conduits are produced by extrusion process and are post treated with insulating oil with high dielectric constant to achieve high voltage bearing capacity and superior electrical insulation strength even after 24-hour immersion in salt-water solution.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028105 A

(19) INDIA

(22) Date of filing of Application :26/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATIC COOLING SYSTEM BASED RABBIT HUTCH

(51) International classification	:F16D 65/813	(71) Name of Applicant : 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(32) Priority Date	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)ANITA THAKHR
(87) International Publication No	: NA	2)PRAKRITI AGGARWAL
(61) Patent of Addition to Application Number	:NA	3)JOYJIT CHATTERJEE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an automatic cooling system based rabbit hutch comprises of Thermoelectric(TE) module, Temperature controller and solar panels. The solar panels in the invention are graphene-coated all-weather solar panels. The invention makes use of a Controller with Temperature Measuring Probe, which makes its computational time complexity minimal. User can manually set the temperature for start and stop of the TE module. According to the set temperature, the controller automatically determines the heating/cooling.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028106 A

(19) INDIA

(22) Date of filing of Application :26/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATED SWITCH WITH REMOTED FEATURES

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	31/24	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RASHBIR SINGH
(61) Patent of Addition to Application Number	:NA	2)DEEPTI MEHROTRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an automated switch device with remote features. The device is a box with touch screen enabled interface having Bluetooth, wifi, and IR remote controller capabilities. The device has several connecting ports through which switch is attached or detached as the user choice. The switch is pasted just above the switch on the switchboard. The box has an ultrasonic sensor attached to it so as soon as a person enters the room his presence is detected by the box and the default switches set by the user automatically turns ON, the automatic turning ON and OFF can be switched off by the user at any time and default switches can be changed by the user easily

No. of Pages : 10 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028107 A

(19) INDIA

(22) Date of filing of Application :26/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : SMART INVENTORY MANAGEMENT SYSTEM FOR WAREHOUSE USING VLC (VISIBLE LIGHT COMMUNICATION) TAGS

(51) International classification	:H04B 10/00	(71) Name of Applicant : 1)AMITY UNIVERSITY Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SUMITA MISHRA
(87) International Publication No	: NA	2)ANIL KUMAR
(61) Patent of Addition to Application Number	:NA	3)UDBHAV SINGH CHAUHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an inventory tracking system for a warehouse using Visible Light Communication technology. The system provides every product entering the warehouse with a VLCID and store it by uploading the VLCIDs in a database on cloud. This would give every product in the warehouse a unique identification which can later be tracked and located anywhere in the warehouse. The system tracks the stocks of every commodity in real time. Every time a product enters the warehouse, the stock level of that particular product should automatically be incremented by one and if the product leaves the warehouse, the stock level should be decremented by one. The system generates an alert when the stocks fall below a certain pre-specified level. Further, the system automatically tracks the location of any product inside the warehouse and will not have to go searching for it shelf by shelf.

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028230 A

(19) INDIA

(22) Date of filing of Application :27/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : INDAZOLO [2,3-C] QUINAZOLINE BASED FLUOROPHORES AND THEIR APPLICATIONS IN BIOIMAGING AND TAGGING OF DRUG MOLECULES.

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)CENTRAL UNIVERSITY OF PUNJAB. BATHINDA Address of Applicant :DEPARTMENT OF PHARMACEUTICAL SCIENCES AD NATURAL PRODUCTS BATHINDA PUNJAB-151001, INDIA Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)RAJ KUMAR
(33) Name of priority country	:NA	2)SANDEEP JOSHI
(86) International Application No	:NA	3)GAURAV JOSHI
Filing Date	:NA	4)PRAVEEN SHARMA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Indazolo[2,3-c]quinazoline based fluorophores and their applications in bioimaging and tagging of drug molecules. The current invention incorporates novel fused substituted indazolo[2,3-c]quinazoline heterocycles (Formula I and II) and acceptable salts thereof and compositions including therapeutic, diagnostic agents and prophylactically effective amounts of such compounds of pharmaceutically acceptable salts or polymorphs. The present invention describes a method of staining Cells and its organelles, using a class of fluorescent substituted indazolo[2,3-c]quinazoline. The dyes of the invention allow their retention in cellular organelles even after cell death, fixation, and permeabilization. The invention also includes methods. Wherein, A, B, C, X, n, Ri, R2, R3, R4, Rs, Re, R7, Re, R9, R10 and Rn are defined in the questionnaire. R2, R3, R4, Rs, Re, R, RB, R9. R10 and Rn can each independently be hydrogen, alkyl, alkenyl, alkynyl, aralkyl, heteroarylalkyl, heterocyclalkyl, aryl, cycloalkyl, heteroaryl or heterocyclyl; X can be no atom; O or S or -NR (wherein R can be Hydrogen, alkyl, alkenyl, alkynyl, aralkyl, heteroarylalkyl, heterocyclalkyl, aryl, cycloalkyl, heteroaryl or heterocyclyl) or or -COOH. -N=C=S or -N=C=O; In the generic structure formula I and II, A, B and C are the rings; Rm can each independently be hydrogen, alkyl, cycloalkyl, heterocyclyl, heteroaryl, aralkyl heterocyclalkyl or heteroarylalkyl;

No. of Pages : 27 No. of Claims : 1

(54) Title of the invention : A METHOD OF FORMULATION OF CINNAMON OIL NANOEMULSION FOR ANTIBACTERIAL EFFICACY

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)SHOOLINI UNIVERSITY

Address of Applicant :VILLAGE BHAJOL, P.O.
SULTANPUR, SOLAN-173229(HP) Himachal Pradesh India

(72)Name of Inventor :

1)AZHAR KHAN

2)RUHI PATHANIA

3)PRINCE CHAWLA

4)RAVINDAR KAUSHIK

5)TANU DEVI

(57) Abstract :

This invention relates to plant oil nanoemulsion produced with a non-ionic surfactant is highly safe, stable and biocompatible. Cinnamon (*Cinnamomum zeylanicum*) oil is an essential oil and has been used from many years due to its significant therapeutic importance. Cinnamon oil exhibits tremendous antibacterial properties and it is an excellent source of minerals and fat soluble vitamins. Therefore, present study was carried out to fabricate gum arabic stabilized nanoemulsion of cinnamon oil. For optimization of oil in water nanoemulsion coating or aqueous phase was kept constant, whereas oil phase was varied from 1-10 %. On the basis of maximum binding ability of gum arabic emulsion sample with 8% cinnamon oil was selected for characterization and assessment of antimicrobial activity. Droplet size and zeta potential of nanoemulsion was evaluated and FTIR spectrum revealed vibrational bands of oil phase and coating material, respectively. UV-Visible spectrum of nanoemulsion also unveiled maxima at 350 nm and minima at 800 nm, respectively. Thermal stability of nanoemulsion was evaluated at 80°C for 7 days and non- significant difference was observed in creaming stability of nanoemulsion. Morphological characterization of selected nanoemulsion was done by inverted light microscopy. Antimicrobial activity of nanoemulsion showed significantly higher microbial activity against *E. coli* in comparison with positive control as well as cinnamon oil, respectively. The purpose of this study was to formulate stable cinnamon oil nanoemulsions (NEs) having higher antimicrobial activity by using the low-energy approach: spontaneous emulsification (SE) method



No. of Pages : 22 No. of Claims : 8

(54) Title of the invention : SEALING SYSTEM OF BANJO BEAM DURING AIR LEAK OPERATION

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)SHOOLINI UNIVERSITY Address of Applicant :VILLAGE- BHAJOL, P.O. SULTANPUR, SOLAN-173229 (HP) Himachal Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR. ABHILASH PATHANIA
(32) Priority Date	:NA	2)HASEEM SHAIKH
(33) Name of priority country	:NA	3)ADIT RANA
(86) International Application No	:NA	4)DR. RAJ KUMAR
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The leakage testing operation of different components in the automobile industries are performed daily by the operator. These components may be the engine block for oil storage (for lubrication) or coolant (for water cooling system) or maybe for differential. If the production is large in that case the testing of these components will become the bottleneck for the industries and also increase the fatigue level of the operator. Presently, all automobile industries are using thread type adaptor for leakage detection. The cycle time for the fixing of the adaptor with the testing component is about 20 seconds. The chances of thread missing are about 1 out of 10 and the wear of rubber seal is 1 out of 80. To avoid these problems, we are proposing a quick seal pneumatic adaptor. This adaptor will reduce the cycle time of fixing with testing components as well as reduce the fatigue of the operator.

Quick Seal Adaptor



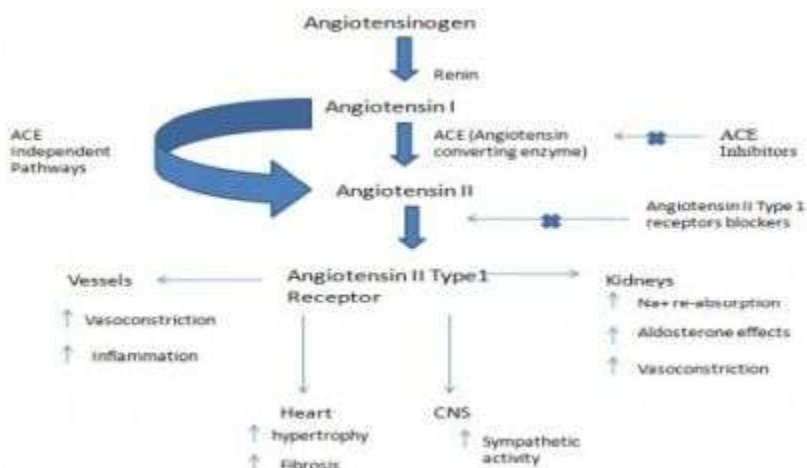
No. of Pages : 11 No. of Claims : 10

(54) Title of the invention : POLYPHENOLIC COMPOUND PYCNOGENOL FROM PINUS PINASTER TARGET ANGIOTENSIN TYPE 1 RECEPTOR A PROMISING BLOOD PRESSURE REGULATOR

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)SHOOLINI UNIVERSITY Address of Applicant :VILLAGE BHAJOL, P.O. SULTANPUR, SOLAN-173229(HP) Himachal Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)AZHAR KHAN
(32) Priority Date	:NA	2)HUMA KHAN
(33) Name of priority country	:NA	3)NITIKA CHAUHAN
(86) International Application No	:NA	4)SAURABH KULSHRESHTHA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to Pinus pinaster reported to have Pycnogenol compound from bark having potential antihypertensive effect. However, the mechanism of the compound in regulating blood pressure regulation is still unclear. Therefore, present study designed to target this compound on Renin angiotensin system a hormonal cascade which regulates the blood pressure. In silico protein-ligand docking of Pycnogenol on angiotensin type I receptor was determined by autodock tool 1.5.6 and structure of the compounds were drawn by the Marvin sketch 17.21.0 software. The entire drug target site for the compound was constructed on the active site of the AT1R by chimera 1.9. Pycnogenol showed the -11.2kcal/mol with angiotensin type I receptor which showed more affinity towards the compound in comparison angiotensin receptor blockers losartan (standard) -8.6kcal/mol and candesartan -9.7kcal/mol. Findings of the present study provide new perspective for the drug development against systolic blood pressure.



No. of Pages : 15 No. of Claims : 3

(54) Title of the invention : A CONVEYOR BELT SYSTEM WITH LASER AND METHODS THEREOF

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

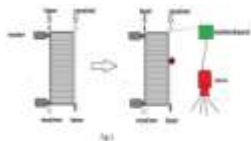
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PRINCE THAKUR
Address of Applicant :VILLAGE-SAMTANA, PO-SAMTANA, TEHSIL- BARSAR, SAMTHANA KALAN, HAMIRPUR, HIMACHAL PRADESH, PIN-176042 Uttar Pradesh India

(72)**Name of Inventor :**
1)PRINCE THAKUR

(57) Abstract :

Disclosed invention reveals the idea to protect people from damage caused by conveyor belt with the help of simple lased and some other component and can be used in many industry. This invention is used to protect human or other thing from damage from conveyor belt running at very high speed. The lasers are arrange in parallel to each other on opposite end on conveyor belt and if a person touch or cross the laser than alarm start ringing.



No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028393 A

(19) INDIA

(22) Date of filing of Application :27/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : OVER FLOW CONTROL PIPE SYSTEM FOR LIQUID AND METHODS THEREOF

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)PRINCE THAKUR

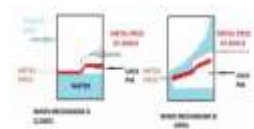
Address of Applicant :VILLAGE-SAMTANA, PO-SAMTANA, TEHSIL- BARSAR, SAMTHANA KALAN, HAMIRPUR, HIMACHAL PRADESH, PIN-176042 Uttar Pradesh India

(72)Name of Inventor :

1)PRINCE THAKUR

(57) Abstract :

This present invention reveals the idea to stop overflow of liquid from pipe connected to water tank, urine tank or any other tank contain liquid. In the present invention when water flow from upper side then one end of metal piece is open due to weight or pressure of water it flow into tank. But when the tank is full and liquid start rising and reach up to left metal piece (round flat plate) level and start forcing toward upper side and the right part of metal piece (round flat piece) goes down and lock with pin lock system and water overflow stop.



No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028435 A

(19) INDIA

(22) Date of filing of Application :28/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A SYSTEM FOR WATER COOLED INDUCTION DRIVE SUCTION BOOSTER PUMP

(51) International classification :F04D0029580000,
F04D0013060000,
F21V0029570000,
F04B0049060000,
F01P0005100000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)PADMINI VNA MECHATRONICS PVT. LTD.

Address of Applicant :Plot No. 100-101, Sector 35, Phase VII,
Udyog Vihar, Gurgaon, Haryana 122001, India Haryana India

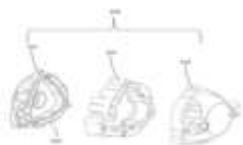
(72)Name of Inventor :

1)KABIR BHANDARI

2)RADU GOGOANA

(57) Abstract :

The present invention relates to water pumps utilized in reverse-osmosis for water purification appliances. The invention provides a system for water cooling the pump motor compatible to variety of motors and providing greater appliance performance. It provides a system for a water cooled induction drive suction booster pump; by providing cooling to a sealed water pump motor by cooling at least one portion of the sealed water pump motor via coolant liquid or water.



No. of Pages : 26 No. of Claims : 13

(54) Title of the invention : A THERAPEUTIC PROTEIN SUITABLE FOR FEEDING THROUGH GASTRO INTESTINAL TRACT AND PROCESS FOR THE PREPARATION THEREOF

(51) International classification :C07K0014620000,
A61K0038280000,
A61K0038160000,
A61K0033060000,
A61K0033240000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Address of Applicant :Anusandhan Bhawan, 2 Rafi Marg Rafi Marg New Delhi Delhi India 110 001 Delhi India

(72)Name of Inventor :
1)HARSHAVARDHAN VISHAVANATH ADIKANE

(57) Abstract :

The present invention relates to an insulinpeptide complex, wherein the said complex comprises peptides made of amino acids, wherein the linkage between said insulin and said peptide is a non-covalent linkage. Further, a process for preparing the said insulin-peptide complex is disclosed in the present invention. The said insulin-peptide complex is resistant to proteolytic enzymes of the gastrointestinal tract.

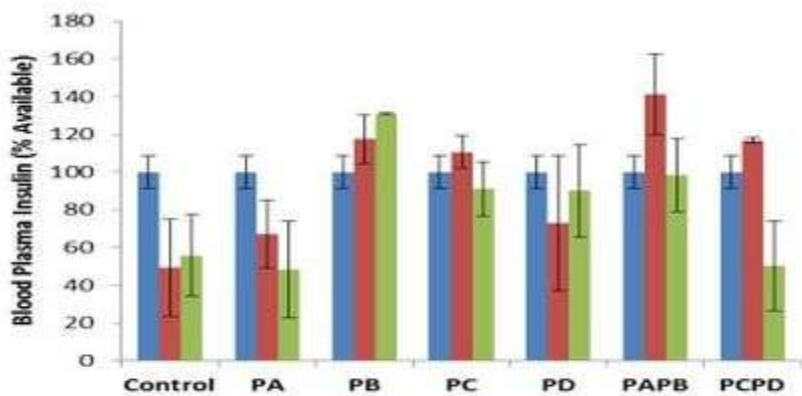


Figure 2

No. of Pages : 27 No. of Claims : 10

(54) Title of the invention : INTEGRATED MANIFOLD FOR A NATURAL GAS-FUELLED INTERNAL COMBUSTION ENGINE

(51) International classification :F02M0021020000,
F02B0075220000,
F02D0019060000,
F02B0075180000,
F02D0041140000

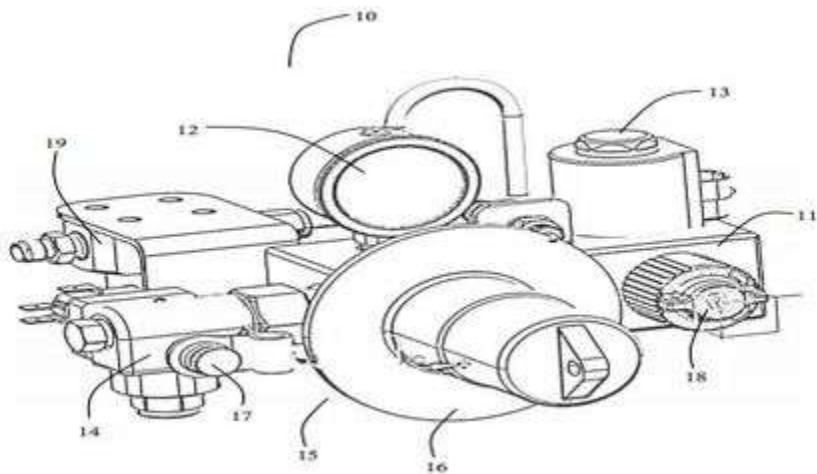
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AKSHAY KASHYAP
Address of Applicant :Greenfuel Energy Solutions Pvt. Ltd.,
Plot No.62, Sector-4, IMT Manesar, Gurgaon - 122050, INDIA
Haryana India

(72)**Name of Inventor :**
1)AKSHAY KASHYAP

(57) Abstract :

The present invention relates generally to a fuel system module for a vehicle. The invention provides an integrated manifold that include channels or pass-through bores to form a fuel channel, injecting at least one port through which fuel communication with the fuel channel is established. Therefore, the integrated manifold provides faster injection and storage of gaseous fuel such as CNG for an internal combustion engine. Further, it also reduces overall cost, weight, joints, size, and potential failure and thereby improving the performance.



No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811028926 A

(19) INDIA

(22) Date of filing of Application :01/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : TURN-OFF FLUORESCENT QUENCHING CUM COLORIMETRIC (DUAL OUTPUT) DETECTION OF MELAMINE USING GALLIC ACID FUNCTIONALISED FLUORESCENT COPPER NANOCLUSTERS

(51) International classification	:G01N 21/00	(71) Name of Applicant : 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant :E-27 DEFENCE COLONY NEW
(32) Priority Date	:NA	DELHI-110024, INDIA Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)JYOTI SHIVA SWARAJ VUTUKURU
Filing Date	:NA	2)NAVEEN KUMAR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to turn-off fluorescent quenching cum colorimetric (dual output) detection method of melamine using Gallic acid functionalised fluorescent Copper nanoclusters. L-ascorbic acid stabilized copper nanoclusters modified with gallic acid are used for 'turn-off 'fluorescence quenching' based detection of melamine. The method is an aqueous (liquid) based assay and gives both colorimetric and fluorescence quenching.

No. of Pages : 9 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811029078 A

(19) INDIA

(22) Date of filing of Application :02/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : DISPOSABLE FOOD PACKET WITH INBUILT WARMING FACILITY

(51) International classification	:A47J 36/26	(71) Name of Applicant : 1)AMITY UNIVERSITY
(31) Priority Document No	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS
(32) Priority Date	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(33) Name of priority country	:NA	Pradesh India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)SAURABH SINGH
(87) International Publication No	: NA	2)SHIPRA SARASWAT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a novel disposable food packet along with inbuilt single use heating arrangement to warm the snack items by using electric means just before consuming the food item. The invention further provides the facility to the consumer to have warm tastier snack item at any time and at any place. This invention is especially beneficial to the consumers while travelling. Since the proposed packaging does not require any external energy source, consumer need not carry any heating appliance or search for an electric outlet.

No. of Pages : 6 No. of Claims : 1

(54) Title of the invention : TRANSPARENT AND FLEXIBLE POLYCMETHYL METHACRYLATE COMPOSITE FILMS WITH UV-SHIELDING PERFORMANCEB AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:G02B 3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI
(33) Name of priority country	:NA	MARG NEW DELHI-110001, INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TUFAN SINGHA MAHAPATRA
(87) International Publication No	: NA	2)SUMIT KUMAR PRAMANIK
(61) Patent of Addition to Application Number	:NA	3)AMITAVA DAS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

UV radiation is liable for the discoloration of pigments, dyes and yellowing of plastics and papers, sun burnt skin, and other problems related with UV light. Plastics, paints, wood and cosmetic manufacturers have a great interest in offering products that remain unaltered for long periods of time under severe UV-light exposure conditions. The present invention relates to the preparation of a transparent flexible Polymethylmethacrylate (PMMA) composite film containing low amounts of Formula I with UV-blocking properties as described. More particularly, the present invention relates to a compound of general Formula I, process for preparation thereof and use of the same for making UV-blocking PMMA films.

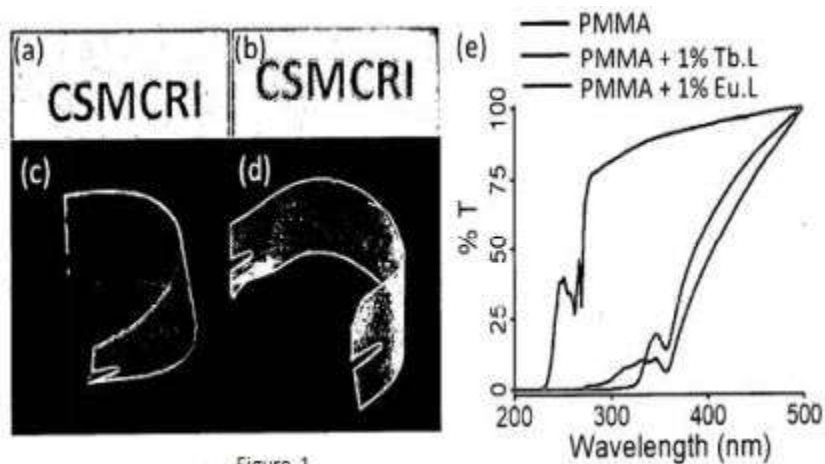


Figure 1

No. of Pages : 14 No. of Claims : 9

(54) Title of the invention : COMPOSITE HONEYCOMB CONSTRUCTION PANEL

(51) International classification :B32B0003120000,
E04C0002360000,
B32B0007120000,
B32B0005240000,
E04C0002340000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HEXPRESSIONS MEGATECH PRIVATE LIMITED
Address of Applicant :A-10, II floor, Vinay Apartment,
Nityanand Nagar, Queens Road, Jaipur 302021, Rajasthan
Rajasthan India
(72)Name of Inventor :
1)SHILPI DUA
2)ABHIMANYU SINGH

(57) Abstract :

A composite honeycomb construction panel is disclosed. The composite honeycomb construction panel comprises a paper honeycomb core including a plurality of honeycomb cells sandwiched between a first board and a second board made of a construction material. The composite honeycomb construction panel is a pre-fabricated and ready-to-assemble construction panel. The construction panel is economical, sustainable and environmental-friendly.

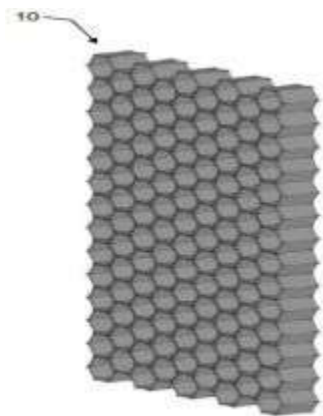


FIG. 1A

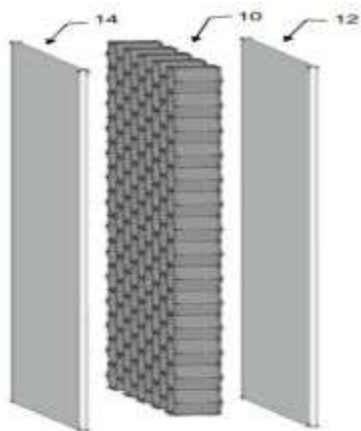


FIG. 1B

No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : METHODS AND SYSTEMS FOR ENABLING CUSTOMER SERVICE AND SHARING OF INFORMATION

(51) International classification :H04W0004020000,
G06Q0030020000,
G06Q0010080000,
G06Q0040020000,
H04W0064000000

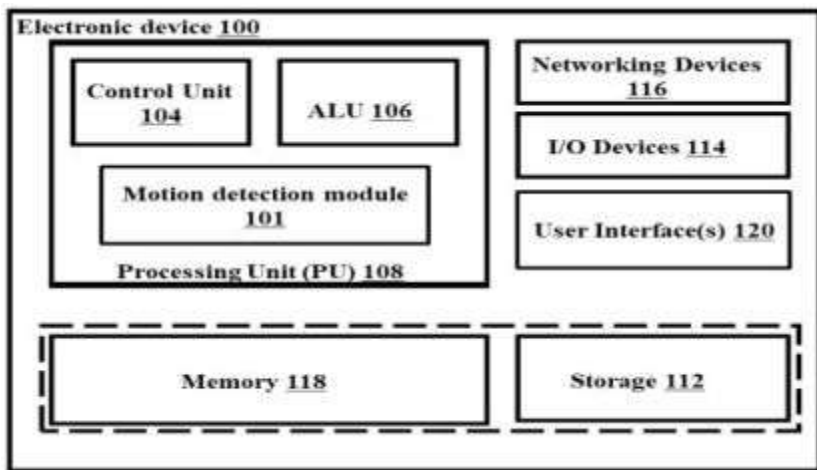
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Mahindra & Mahindra Limited
Address of Applicant :Farm Equipment Sector, Swaraj
Division, Phase IV, Industrial Area, S.A.S. Nagar (Mohali)
160055 Punjab India

(72)Name of Inventor :
1)Viren Popli
2)Pardeep Singh

(57) Abstract :

Methods and systems for providing customer services and associated information. Embodiments herein disclose methods and systems for providing customer services and associated information to a customer by enabling a direct connection between the customer and a service provider/organization. A method disclosed herein includes receiving an input from a customer. Further, the method includes providing at least one customer service to the customer based on the received input. The at least one customer service includes at least one of information based services, alerts and information based services for new products, tracking based services, appointment based services, assistance based services, location based services, interest based services, and expert based services.



No. of Pages : 57 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811029417 A

(19) INDIA

(22) Date of filing of Application :05/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : GREEN METHOD FOR THE PREPARATION OF CURCUMIN QUANTUM DOTS TO ENHANCE ITS SOLUBILITY, STABILITY AND ITS ACTIVITY AS ANTIBIOFILM AGENT

(51) International classification	:A61K0031120000, A61K0009000000, B82Y0015000000, B82Y0040000000, B82Y0005000000	(71)Name of Applicant : 1)Banaras Hindu University Address of Applicant :Banaras Hindu University, Varanasi Uttar Pradesh India 2)Ashish Kumar Singh 3)Pradyot Prakash 4)Monika Bansal 5)Rakesh Kumar Singh
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Ashish Kumar Singh 2)Pradyot Prakash 3)Monika Bansal 4)Rakesh Kumar Singh
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the green method for the preparation of quantum dots of the drug Curcumin having enhanced water solubility and stability. The novel process employed in the present invention synthesis, for the first time in the field of technology, a green method for the preparation of curcumin quantum dots makes this process unique. The present invention ensures that newly processed quantum dots of the drug curcumin have significantly enhanced antimicrobial and antibiofilm effect of curcumin quantum dots (CurQDs) as compared to the native curcumin drug particle and nano curcumin reported till date.

No. of Pages : 28 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811029524 A

(19) INDIA

(22) Date of filing of Application :06/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : VISIBLE LIGHT COMMUNICATION BASED SMART-LOCK SYSTEM

(51) International classification	:H04L0029060000, H04B0010116000, G06F0021360000, H04L0009080000, G06F0021460000	(71) Name of Applicant : 1)DIVYA TRIVEDI Address of Applicant :2/200A, NAWAB GANJ, KANPUR, UTTAR PRADESH, INDIA 208002 Uttar Pradesh India 2)AJEETH SURYASH VINAYAGAM
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)DIVYA TRIVEDI
(33) Name of priority country	:NA	2)AJEETH SURYASH VINAYAGAM
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Aspects of the present invention provide a visual light communication (VLC) based smart lock system containing a portable device (e.g. mobile device/phone) and a security device associated with a resource. In one embodiment, the portable device receives, from a user, a password for accessing the resource, generates a sequence of visible colors representing the password and then transmits the sequence of visible colors to the security device. The security device maintains a password store containing a set of authorized passwords for accessing the resource. Upon receiving from the portable device, the sequence of visible colors corresponding to the password, the security device checks whether the password matches any one of the set of authorized passwords. The security device then allows the user to access the resource if a match is determined, and denies access to the user to the resource otherwise.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811029588 A

(19) INDIA

(22) Date of filing of Application :07/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : BIOFORTIFICATION OF WHITE OYSTER MUSHROOM (PLEUROTUS FLORIDA) WITH IRON USING IRON SULFIDE NANOPARTICLES

(51) International classification	:B01J 35/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)G.B. PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANTNAGAR
(32) Priority Date	:NA	Address of Applicant :PANTNAGAR UTTARAKHAND- 263145, INDIA Uttarakhand India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)BANDANA KUMARI SAHU
Filing Date	:NA	2)ARUN KUSHWAHA
(87) International Publication No	: NA	3)K.P.S. KUSHWAHA
(61) Patent of Addition to Application Number	:NA	4)SANDEEP ARORA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention pertains to the development of a novel Pleurotus florida (white oyster mushroom) cultivation technology, wherein we have used iron sulfide nanoparticles for increasing the iron content in the edible tissues. The final product of the invention, i.e. the fruiting bodies of the Pleurotus florida (white oyster mushroom) were fortified with iron; for increasing its nutritional value. Iron deficiency is a major problem in developing as well as industrialized nations, including India. Bio-fortification of food crops for increasing the iron content is one of the major research objectives of the scientists. White oyster mushroom is one of the most widely consumed edible mushrooms in India as well as in other countries. However, the white oyster mushroom does not have any significant levels of iron, from human health point of view. We have developed a novel cultivation technology wherein we have specifically used nano iron sulfide preparations, for enhancing the growth and iron content of white oyster mushroom. The mushroom so produced has higher nutritional and economic value as firstly it has higher iron content and its consumption will help reduce iron deficiency diseases, and secondly as our cultivation technology provides improved yield, it can be used to increase the farmer's income by increasing the crop/season.

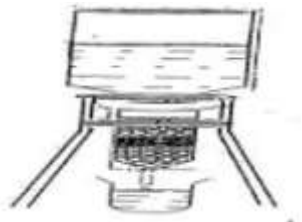
No. of Pages : 12 No. of Claims : 4

(54) Title of the invention : A NOVEL STERILE ON-FIELD CARTRIDGE DEVICE FOR BACTERIOPHAGE/VIRUS CONCENTRATION FROM ENVIRONMENTAL WATER SAMPLE

(51) International classification	:G01N 27/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI
(33) Name of priority country	:NA	MARG NEW DELHI-110001, INDIA Delhi India
(86) International Application No	:NA	2)NA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KHAIRNAR KRISHNA SURESH
(61) Patent of Addition to Application Number	:NA	2)GHUGARE GAURAV SUDHAKARRAO
Filing Date	:NA	3)SARODE PRIYANKA SEVAKRAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is a lack of on-field concentration tool, particularly for studying bacteriophages in environmental water samples. We have developed a novel and simple on-field viral concentration cartridge, particularly for bacteriophage (bacterial viruses) in environmental water samples. The developing cartridge contains activated charcoal as an adsorption matrix. For efficient adsorption, a flocculation agent is used, followed by recovery of viruses using elution solution. This is best suited for on-field application and processing of environmental samples. The large volume of samples can be concentrated on the field by passive filtration through this cartridge, thus avoiding carrying a large volume of water samples from the field to lab. These cartridge containing entrapped bacteriophages can be easily transported to the lab in refrigeration condition.



No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811029904 A

(19) INDIA

(22) Date of filing of Application :09/08/2018

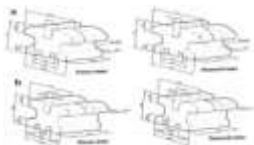
(43) Publication Date : 07/08/2020

(54) Title of the invention : TOOTH COLORED DENTAL BRACKETS AND A PROCESS THEREOF

(51) International classification	:D21H 21/28	(71) Name of Applicant : 1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(31) Priority Document No	:NA	Address of Applicant :ANSUANDHAN BHAWAN 2 RAFI
(32) Priority Date	:NA	MARG NEW DELHI-110001, INDIA Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)PROSENJIT DAS
Filing Date	:NA	2)PINAKI DAS
(87) International Publication No	: NA	3)TAPAN RAY
(61) Patent of Addition to Application Number	:NA	4)NILRUDRA MANDAL
Filing Date	:NA	5)MANJU SINGH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Dental/ Orthodontic brackets are used for correction of irregular teeth of the people to ensure proper teeth alignment. Among other options available, ceramic brackets offer significantly better mechanical properties, and decreased reactivity with the oral environment. In view of the above, the present work discusses the development of novel net shape Tooth colored dental brackets, employing Micro Ceramic Injection Moulding (μ -CIM) process technology, alleviating the need of precision machining operations involved in case of other process technology of bracket manufacturing. Moreover, design modifications have been incorporated within the prototype brackets, keeping in view of the manufacturing ease and cost effectiveness. Multi cavity micro injection mould has been designed and developed, wherefrom eight brackets of similar or different dimensional details can be manufactured from one injection shot. Alpha alumina powder having avg. particle size of 0.3-0.4 μ m is used for the preparation of alumina feedstock. Afterwards, the feedstock was injected into the bracket mould, followed by thermal debinding and sintering (at 1600oC) of the green compact to arrive at the final bracket shape. The brackets developed here are novel, low cost, bio compatible, and made of polycrystalline alumina with avg. density of 3.8gm/cc, hardness of 2400 VHN, and fracture toughness of 4.2MPm.



No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030022 A

(19) INDIA

(22) Date of filing of Application :09/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : DIETARY SUPPLEMENT FORMULATION AND METHOD THEREOF

(51) International classification	:A23L0033175000, A61K0009000000, A23L0033160000, A23L0033150000, A23L0033135000	(71) Name of Applicant : 1)Amicures Research Pvt. Ltd. Address of Applicant :RZ 44-A, Palam Vihar, Sector-6, Dwarka Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KUMAR, Sushil Dr.
(33) Name of priority country	:NA	2)CHOUDHARY, Mamta
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein a dietary supplement formulation and method of preparing the same, wherein said formulation comprising a blend of protein source with probiotics and herbal extract blend, wherein said formulation is prepared to achieve required protein, essential and semi-essential amino acids, minerals, vitamins naturally.

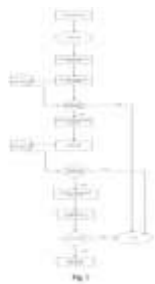
No. of Pages : 22 No. of Claims : 19

(54) Title of the invention : A SYSTEM OF APPLICATION FOR PROVIDING ALL KIND OF SERVICES AND METHODS THEREOF

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)MANISH MAHAJAN Address of Applicant :#3097, Sec 45-D, Chandigarh, India Chattisgarh India 2)DAPINDER KAUR 3)GOURAV BATRA 4)SHUBHNEET
(31) Priority Document No	:NA	(72)Name of Inventor : 1)SHUBHNEET 2)GOURAV BATRA 3)DAPINDER KAUR 4)MANISH MAHAJAN
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a system of application for providing all kind of services and methods thereof. Basically, we want to create an application named as a 'HORIZON' which is used to sought out the problem which happens with everyone in their daily schedule. It helps to provide the detail database of manpower to solve the issues (electricity, plumbing, furnishing etc) and provides products(everything used on daily basis or anything).Any person can buy or take products on rent which is a new feature of this application that nobody provides. Moreover, it solves the financial problems by providing financial services to everyone. Also with it, there is food service available for people. They can select the food according to their taste from any shop available in the application that would be renowned or street food shops. It is an online application which totally works on GPS system to track the position of user and service provider and then selected problems by the user will be solved by the nearest service provider which comes on an application. There are two types of accounts in this application.



No. of Pages : 24 No. of Claims : 8

(54) Title of the invention : A SYSTEM FOR IDENTIFICATION AND AUTHENTICATION IN MULTIPURPOSE TRANSACTIONS

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ANMOL ANEJA
Address of Applicant :C-4 Mission Compound, Saharanpur,
U.P.- 247001 Uttar Pradesh India
2)DAPINDER KAUR
3)MANPREET SINGH BAJWA

(72)Name of Inventor :
1)ANMOL ANEJA
2)DAPINDER KAUR
3)MANPREET SINGH BAJWA

(57) Abstract :

The present invention discloses a system for identification and authentication in multipurpose transactions. The people need to carry Identification/Nationality proof, Debit Cards, Credit Cards, and Passport etc for the respective purposes. If these get lost then a long legal procedure is followed to issue a new one. The person who finds the card may misuse it for his own benefits if the card is not blocked on time. With the card details, hackers may take benefit and leave the account with zero balance. Various SIM cards get issued on someone else's ID and the person whose ID is being used doesn't even know about it. The research to be presented here involves only one proof i.e Fingerprint. Instead of using different cards for their respective purposes, fingerprint will be used for identification.



No. of Pages : 10 No. of Claims : 7

(54) Title of the invention : NOVEL HYBRID 1,2,4,5-TETRAOXANE AND ANALOGS AS ANTIMALARIAL DRUGS

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)AWASTHI SATISH KUMAR
Address of Applicant :CHEMICAL-BIOLOGY
LABORATORY, DEPARTMENT OF CHEMISTRY,
UNIVERSITY OF DELHI, NEW DELHI-110007 Delhi India
2)SINGH PREETI

(72)Name of Inventor :
1)AWASTHI SATISH KUMAR
2)SINGH PREETI

(57) Abstract :

Present invention relates to the novel 1,2,4,5 - tetraoxane - chalcone hybrid antimalarial analogs and method of their preparation thereof. An experimentally simple, stable and potent hybrid analogs were synthesised by economical, safer and high yielding method of synthesis based on the reaction of hydrogen peroxide and methyltrioxorhenium (vii) with substituted chalcones which were catalyzed by strong acids (HBF₄). The chalcones were synthesized by direct condensation of aromatic aldehydes and the 4-aminoacetophenone, using 20% sodium hydroxide in ethanol. Afterwards, incorporation of 4-aminochalcones into tetraoxanes which produces hybrid drugs in order to increase their solubility in protic solvents. Sodium triacetoxyborohydride efficiently used as a reducing agent in the synthesis of novel tetraoxane - chalcone hybrid analogs. The methodology is used to synthesize hybrids using substituted amino chalcones and tetraoxanes (adamantane and cyclohexane moiety). The yield of the hybrids depends upon the structure of the reacting tetraoxane and substituted chalcones. These molecules have displayed excellent in vitro antiplasmodial activities in the range of 5.11 to 21.62 nM against the 3D7 strain of Plasmodium falciparum which is comparable to that of artemisinin. The synthesized compounds were found to be free of cytotoxicity at higher level of the test concentration. The invention has great potential for development of medicament against malaria.

No. of Pages : 38 No. of Claims : 8

(54) Title of the invention : ESCALATOR SYSTEM WITH SAFETY SENSOR

(51) International classification :E04F0011180000,
A61B0005000000,
B66B0029040000,
B66B0025000000,
G01H0001000000

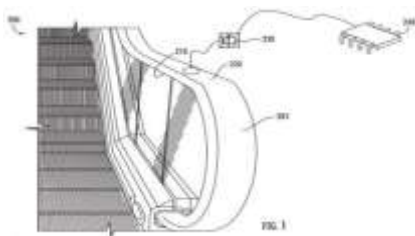
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)OTIS ELEVATOR COMPANY
Address of Applicant :One Carrier Place, Farmington,
Connecticut 06032 U.S.A.

(72)**Name of Inventor :**
1)SINGARAJU, Ravikiran

(57) Abstract :

Disclosed is an escalator system including handrail, the system having: a handrail including a handrail base and a handrail cover operationally connected to the handrail base, a first sensor disposed between the handrail base and the handrail cover and a first controller for controlling the first sensor, and wherein the first sensor processes data representing a sensed parameter, whereby the system identifies the occurrence of a trigger event and executes a first responsive measure.



No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030216 A

(19) INDIA

(22) Date of filing of Application :10/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : EXHAUST SYSTEM

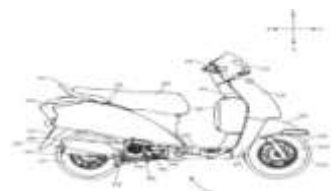
(51) International classification :F01N0003280000,
B60K0005120000,
F01N0013180000,
B60K0013040000,
F01N0013080000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Hero MotoCorp Limited
Address of Applicant :34 Community Center, Basant Lok,
Vasant Vihar, New Delhi Delhi India
(72)Name of Inventor :
1)ALOK KUMAR
2)SHAILENDRA KUMAR PANDEY

(57) Abstract :

In one aspect of the present invention, a vehicle (100) is provided. The vehicle (100) includes a frame (200); an engine (300); and an engine mounting system (400) for swingably mounting the engine (300) to the frame (200). The engine mounting system (400) includes a pivot shaft (132), and an engine support member (131). The vehicle (100) further includes an exhaust systems having a first bent portion (302), and a second bent portion (303); and an exhaust gas purification device (320). The exhaust gas purification device (320) is positioned at an angle to a longitudinal direction of the vehicle (100), between the first bent portion (302) and the second bent portion (303).



No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030236 A

(19) INDIA

(22) Date of filing of Application :10/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : FIXED DOSED COMBINATION THERAPY OF ARTHRITIS AND SYMPTOMS THEREOF •

(51) International classification	:A61K0036906600, A23L0033120000, A61K0035600000, A61K0031202000, A23L0002520000	(71)Name of Applicant : 1)Dr. Syed Tanvir Ali Address of Applicant :428 C7 Street SIDCO, Shivalik Apartments, Sector-1, IMT Manesar City Gurugram State Haryana Country India Pin Code 122 050 Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Syed Tanvir Ali
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a therapeutic agent comprising extract of Curcuma longa and Omega-3 as active ingredients for relieving or preventing arthritis and symptoms thereof. It further provides a composition for use in relieving or preventing arthritis and symptoms thereof comprising a fixed dose combination of extract of Curcuma longa and Omega-3, wherein the dose of Curcuma longa is lower than the dose of Omega-3.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030301 A

(19) INDIA

(22) Date of filing of Application :13/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : PORTABLE AND MODULAR FILAMENT EXTRUDER MACHINE FOR 3D PRINTER

(51) International classification	:A21C 11/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)PRITISH SHUBHAM
Filing Date	:NA	2)MOHAMMAD SAIFUDDIN
(87) International Publication No	: NA	3)KRISHNA KUMAR
(61) Patent of Addition to Application Number	:NA	4)RAHUL DHAMEJA
Filing Date	:NA	5)ADITYA SHUBHAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a simple and cost effective filament extruder machine to produce very inexpensive filament for 3D printer at home. The frame of the machine is a hybrid, made from aluminium and wood. It contains a barrel and a barrier screw inside the barrel. The nominal diameter of the screw is approximately equal to the inner diameter of barrel. The screw is rotated by a powerful stepper motor. The filament extruder has temperature control system and speed control system for controlling the rpm of the screw for controlling the various parameters of the filament production.

No. of Pages : 12 No. of Claims : 7

(54) Title of the invention : AN OZONE BASED STERILIZER FOR MEDICAL DEVICES SURGICAL INSTRUMENTS, TOOLS AND MATERIALS

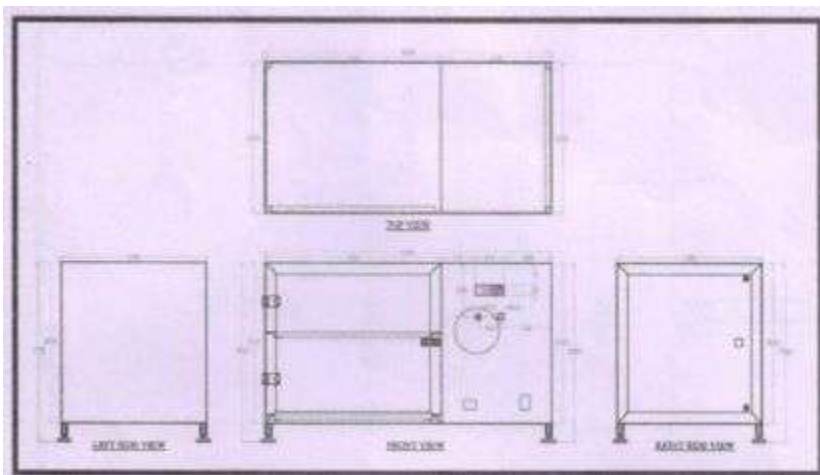
(51) International classification :A61L0002200000,
A61N0001020000,
A61L0002140000,
A61B0017880000,
A61L0002260000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ANANTA MEDICARE LIMITED
Address of Applicant :621, RING ROAD MALL, SECTOR-3,
ROHINI, DELHI-110085 Delhi India
(72)Name of Inventor :
1)SANJAY KUMAR SHARMA

(57) Abstract :

Disclosed is the instrument and system relate to the use of mixture of ozone with oxygen for the sterilization of surgical devices and materials in an airtight instrument with automation. The sterilizer developed is robust, reliable, safe, easy to control & operate, which completely meets modern medical requirements. The process is based up on the energy saving sterilization method.



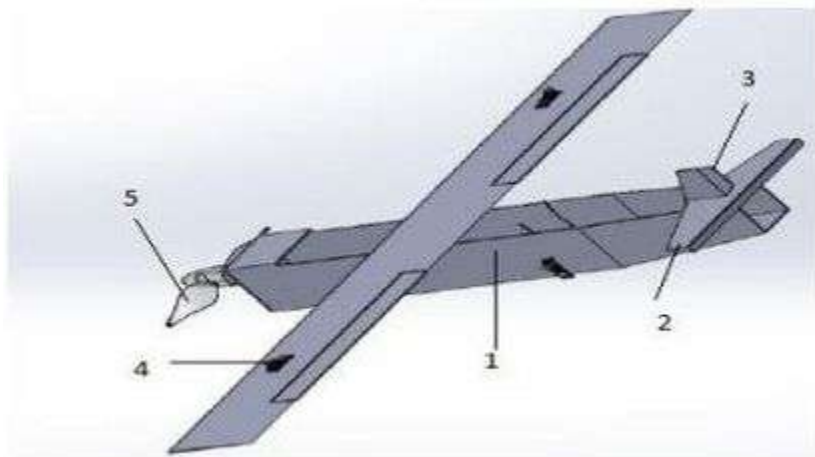
No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : BIOMETRIC BASED AIRCRAFT SYSTEM WITH REMOTE CONTROL

(51) International classification	:A63H0027000000, B64C0039020000, H04N0021440800, H02P0005740000, H05K0005020000	(71)Name of Applicant : 1)Quantum University Address of Applicant :22km Mile Stone, Mandawar,Roorkee- D.Dun Highway (NH-73), Roorkee - 247167, Uttarakhand, India.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Gulshan Chauhan
(33) Name of priority country	:NA	2)Mohd Vaseem
(86) International Application No	:NA	3)Kumar Satyam
Filing Date	:NA	4)Abhishek Gupta
(87) International Publication No	: NA	5)Aman Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for controlling aircrafts comprising, a transmitter for transmitting a control signal that is given by a user, a receiver for receiving the control signal , a fuselage for housing various components and is made of a light weight material, a biometric sensor for verifying identity of the user and generating a command signal upon successful verification, a control unit mounted inside the fuselage for receiving control and command signal to supply electrical power from a battery, at least one BLDC motor with a propeller to provide thrust upon receiving the electrical power, and multiple servo motors connected to the control unit for controlling the yaw, pitch and roll of the fuselage.



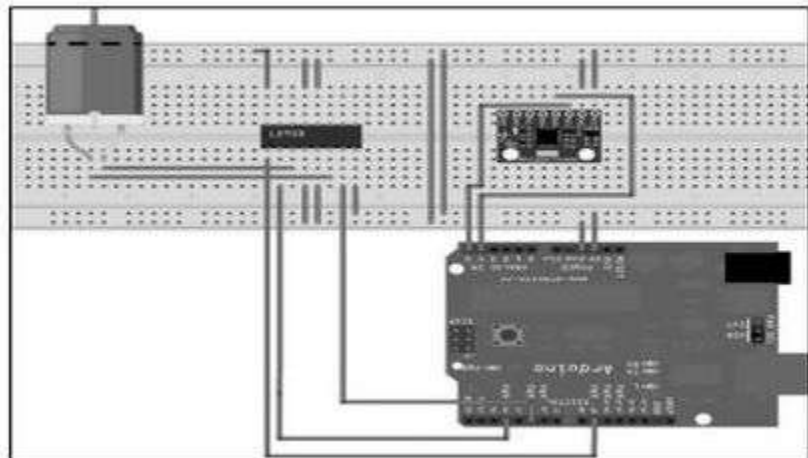
No. of Pages : 11 No. of Claims : 8

(54) Title of the invention : SOLAR POWERED AUTONOMOUS VEHICLE

<p>(51) International classification :B62K0011000000, G05D0001020000, B62B0005000000, B62D0037000000, A63H0017000000</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number:NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Quantum University Address of Applicant :22km Mile Stone, Mandawar,Roorkee-D.Dun Highway (NH-73), Roorkee - 247167, Uttarakhand, India Uttarakhand India</p> <p>(72)Name of Inventor : 1)Chanderkant Vaid 2)Gulshan Chauhan 3)Rajneesh Raghav 4)M. Kannan 5)Mohd Vaseem</p>
---	--

(57) Abstract :

The present invention relates to a solar powered autonomous one wheeled vehicle comprising of a frame 1 including a first foot placement section 2 and a second foot placement section 3; a wheel 5 disposed between the foot placement sections; shock absorbers 8 engaged to the wheels; solar panels 10 coupled to the frame for generating power; a battery 12 to store the power; a motor for rotating the wheel; a motor controller 11 for self stabilization of the vehicle, wherein the controller comprises of a sensor module to measure orientation information of the vehicle and a motor driver to control the motor; and an IOT module for establishing communication with a user by a user interface, wherein the module allows a user to control the vehicle via a mobile/web application.



No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030468 A

(19) INDIA

(22) Date of filing of Application :14/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF HALOALKYL SUBSTITUTED PHENOLS

(51) International classification	:A01N0043560000, C08G0065440000, B82Y0040000000, C08F0259080000, C08G0077240000	(71) Name of Applicant : 1)SRF Limited Address of Applicant :Unicrest Building, Block C, Sector 45, Gurgaon-122003, India Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)PERIYASWAMI PURUSOTHAMAN
(33) Name of priority country	:NA	2)RAMALINGAM POUNKUMAR
(86) International Application No	:NA	3)VENGADESAN DHAYALAN
Filing Date	:NA	4)ARUMUGAM NAGAPPAN
(87) International Publication No	: NA	5)KUMAR KAPIL
(61) Patent of Addition to Application Number	:NA	6)JAIN ANURAG
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for preparation of haloalkyl substituted phenol compounds of formula I. Formula I wherein X represents a halogen group selected from fluoro, chloro, bromo and iodo and R1 represents C1-C3 alkyl group substituted with at least one fluorine atom.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030469 A

(19) INDIA

(22) Date of filing of Application :14/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS FOR PREPARATION OF FLUOROALKYL SUBSTITUTED PYRAZOLE CARBOXYLIC ACID

(51) International classification	:C07D0231140000, G03F0007004000, C07C0251440000, C07D0295145000, C07C0069920000	(71) Name of Applicant : 1)SRF Limited Address of Applicant :Unicrest Building, Block C, Sector 45, Gurgaon-122003, India Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KANAGASABAPATHY ANBUVIJI
(33) Name of priority country	:NA	2)NAGAPPAN ARUMUGAM
(86) International Application No	:NA	3)PHILIPS MARIANO PATRICK
Filing Date	:NA	4)KUMAR KAPIL
(87) International Publication No	: NA	5)JAIN ANURAG
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for producing fluoroalkyl substituted pyrazole-4-carboxylic acid represented by the formula I, which is useful as a synthetic intermediate for pharmaceuticals and agrochemicals. Formula I wherein R1 represents C1-C3 alkyl group and R2 represents C1 alkyl group substituted with at least one fluorine atom.

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030470 A

(19) INDIA

(22) Date of filing of Application :14/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : PREPARATION OF HALOGEN SUBSTITUTED TRIHALOMETHYL AMINO PYRIDINES

(51) International classification	:A01N0043400000, C07D0213740000, C07C0029640000, C07C0049800000, B01J0027130000	(71) Name of Applicant : 1)SRF Limited Address of Applicant :Unicrest Building, Block-C, Sector 45, Gurgaon-122003, Haryana Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)SINGH AVANEESH KUMAR
(33) Name of priority country	:NA	2)SAINI RAM PAL
(86) International Application No	:NA	3)BALAJI PRABHU
Filing Date	:NA	4)KUMAR KAPIL
(87) International Publication No	: NA	5)JAIN ANURAG
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a process for preparation of halogen substituted haloalkyl amino pyridines of formula 1. wherein X is a halogen selected from chlorine, bromine, iodine and fluorine and R represents C1-C3 alkyl group substituted with at least one halogen atom. These compounds are an important intermediate for preparation of fungicides such as fluazinam. These compounds are also useful in the synthesis of various agrochemicals and medicines.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030628 A

(19) INDIA

(22) Date of filing of Application :16/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : POLYANILINE SALT ELECTRODE FOR SUPERCAPACITOR

(51) International classification	:H01G 11/22	(71) Name of Applicant : 1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(31) Priority Document No	:NA	Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI
(32) Priority Date	:NA	MARG NEW DELHI-110001, INDIA Delhi India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)PALANIAPPAN SRINIVASAN
Filing Date	:NA	2)RAMESH GOTTAM
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Polyaniline salt solution was coated on current collector and purified with organic solvent, which acts as electrode for supercapacitor. More particularly, polyaniline salt is capable of providing an active substance for high performance polarizable electrode.

No. of Pages : 26 No. of Claims : 7

(54) Title of the invention : MASTER SLAVE CLOCK SYSTEM

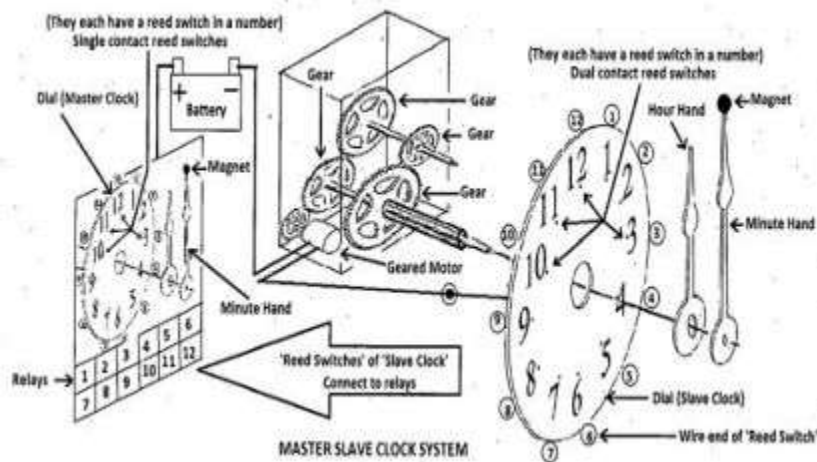
(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NOOROOZZAMAN
Address of Applicant :106 MITTHULAL, KHATAULI
MUZAFFAR NAGAR, UTTAR PRADESH-251201, INDIA
Uttar Pradesh India
(72)Name of Inventor :
1)NOOROOZZAMAN

(57) Abstract :

In this system, a 'master clock' provides timing signals to 'slave clock' with reed switches (RI) and magnet. Magnets have been fitted to the ends of both master clock's 'minute hand' (B) and slave clock's minute hand (NI). 'Reed switches' (Sensors) have been fitted on number points of the 'master clock's dial (A) and slave clock's dial (PI). Slave clock's minute hand (NI) and hour hand (MI) move with the help of gears. Reed switches (Sensors) detect the 'minute hand' position with the help of magnet. When Master clock's minute hand (B) reaches on a number of the dial, magnetic field exposes the reed switch and motor (LI) gets turn on with the help of relay. The 'minute hand' (NI) of 'slave clock' moves. And the position of slave; clock becomes same as the, master clock. When 'minute hand' (NI) of the 'Slave clock' reaches on the same number as master clock. Magnetic field exposes the 'dual contact reed switch' and motor (LI) gets turn OFF. And slave clock shows the same time.



No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030659 A

(19) INDIA

(22) Date of filing of Application :16/08/2018

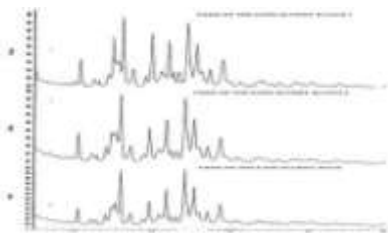
(43) Publication Date : 07/08/2020

(54) Title of the invention : CRYSTALLINE LIFITEGRAST SOLVATES AND PROCESS OF PREPARATION THEREOF

(51) International classification	:C01B 39/02	(71) Name of Applicant : 1)MANKIND PHARMA LTD Address of Applicant :208, OKHLA INDUSTRIAL ESTATE PHASE III NEW DELHI-110020, INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)GANGAVAR AM, SWARUPA
Filing Date	:NA	2)TIWARI, RAKESH
(87) International Publication No	: NA	3)YADAV, RAMJILAL
(61) Patent of Addition to Application Number	:NA	4)BHASHKAR, BHUWAN
Filing Date	:NA	5)KUMAR, ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to crystalline solvates of lifitegrast and process of preparation thereof. The present invention further relates to a composition comprising a crystalline solvate of lifitegrast along with at least one pharmaceutical acceptable excipients thereof. Dated this, 16th day of Aug, 2018 Dr. Anil Kumar For Mankind Pharma Ltd.



No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030697 A

(19) INDIA

(22) Date of filing of Application :16/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM FOR ADAPTIVE COMPRESSIVE SAMPLING AND METHOD THEREOF

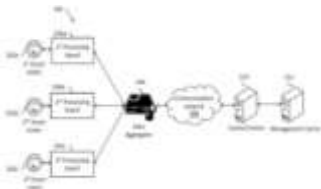
(51) International classification :H03M0007300000,
H04L0027260000,
G06T0009000000,
H04L0029060000,
G01N0001140000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Indian Institute of Technology Delhi
Address of Applicant :Hauz Khas, New Delhi-110016, Delhi
India
(72)Name of Inventor :
1)Swades De
2)Sharda Tripathi
3)Mayukh Roy Chowdhury

(57) Abstract :

The present invention provides an adaptive compressive sampling system including a plurality of smart meters and a plurality of processing boards. The smart meters are configured to collect and transmit a plurality of data samples periodically. The plurality of processing boards correspond to the plurality of smart meters. The processing boards are configured to receive the data samples from the corresponding smart meters. The processing boards determine an optimum batch size (m) for compressing the plurality of data samples. The processing boards generate one or more compressed data samples of the optimum batch size (m) through adaptive compressive sampling. Thereafter, optimum channel overhead is added depending on the current state of communication channel and the compressed samples are transmitted.



No. of Pages : 44 No. of Claims : 20

(54) Title of the invention : VEHICLE

(51) International classification :B62K0005080000,
B62K0005050000,
F02M0035160000,
B60K0015063000,
B60K0017340000

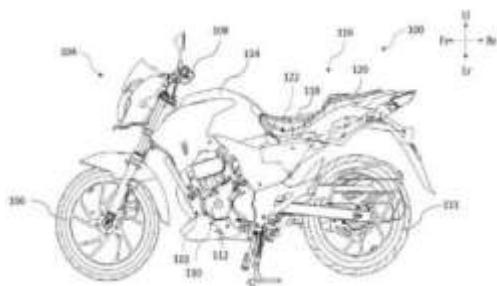
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Hero MotoCorp Limited
Address of Applicant :34 COMMUNITY CENTER, BASANT
LOK, VASANT VIHAR, NEW DELHI -110057 Delhi India

(72)Name of Inventor :
1)SANJAY GUJRAL
2)ASHUTOSH PRATAP SINGH

(57) Abstract :

A vehicle (100) comprising a body frame (102), an air cleaning device (122), and a rear ground engaging member (111) is provided. The air cleaning device (122) comprises a first wall (162), a second wall (164), a third wall (166), and a fourth wall (168). The first wall (162) is extending from a middle portion (109) to a rear portion (113) of the body frame (102) along longitudinal direction of the vehicle (100). At least portion of the first wall (162) is disposed above the rear ground engaging member (111). The at least portion of the first wall (162) acts as a shield cover above the rear ground engaging member (111) preventing the flinging of water, mud, dirt, and foreign particles onto other portions of the vehicle (100). Also, the air cleaning device (122) of increased air-cleaner capacity is accommodated in the vehicle (100).



No. of Pages : 24 No. of Claims : 10

(54) Title of the invention : VEHICLE SECURITY SYSTEM AND A METHOD THEREOF

(51) International classification :G07C0009000000,
B60R0025200000,
G06F0003020000,
B60R0025230000,
H04M0001677000

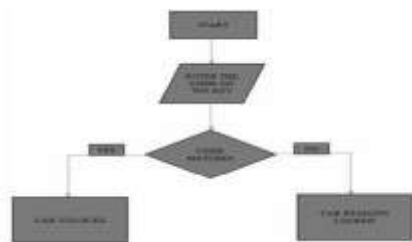
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh Group of Colleges
Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab
India

(72)Name of Inventor :
1)Hardiq Verma
2)Ravikant
3)Divakar Sharma

(57) Abstract :

The present invention relates to a method and system for vehicle security. The system comprises a body, a keypad installed in the body for entering a user defined code, a control unit for receiving the generated signal from the key pad and for comparing the user defined code with the pre added code to unlock the vehicle™s door. A method is disclosed for changing the pre added code that is installed in the micro controller, a user interface is used for calling on a specific number which is pre-installed in the vehicle, the micro controller verifies the dialed number with the contact details and transmits a verification code to the user interface through a communication module, a first button is pressed for entering the verification code, a second button for changing the pre added code, and a third button used for confirming the entered code.



No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030921 A

(19) INDIA

(22) Date of filing of Application :17/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : LOCATION BASED SERVICE PROVIDING SYSTEM

(51) International classification	:H04L0029080000, G16H0040670000, H04L0029060000, A61B0005000000, G06F0001160000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr Amit Verma
(33) Name of priority country	:NA	2)Iqbaldeep Kaur
(86) International Application No	:NA	3)Sumit Kaur
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a location based service providing system, comprising a cloud storage unit for storing data related to various e-commerce services which is initially encrypted and then transmitted through a transmitter; an authentication module linked to the cloud storage unit for creating an account of a user and logging into the created account through an encrypted passcode, a user interface wirelessly connected to the cloud storage unit that allows a user to access the data and avail the services, a central processing unit encompass with a receiver for decrypting the data while displaying it on the user interface, a wearable component associated to the processing unit for detecting health condition of the user and transmitting these data to the processing unit , and a data input module interlinked with the storage unit and user interface for posting different advertisement and updating the data.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030922 A

(19) INDIA

(22) Date of filing of Application :17/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATED TESTING AND REPORT GENERATION SYSTEM

(51) International classification	:G01R0031319000, G16H0015000000, G06Q0050180000, G01R0031280000, G06F0011360000	(71) Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr Amit Verma
(33) Name of priority country	:NA	2)Iqbaldeep Kaur
(86) International Application No	:NA	3)Sumit Kaur
Filing Date	:NA	4)Bikram pal kaur
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an automated testing report generation system, an input module associated with the system for providing input data from a user to the system, a storage module in connection with the input module for storing the input data and test protocol, a testing module connected with the storage for testing input data with the test protocol and generates an output upon completion of the process, a report generation module associated with the testing module for generating report of the outcomes of the testing module and an display unit connected with the testing module to display the generated report to the user.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030925 A

(19) INDIA

(22) Date of filing of Application :17/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTIPARTICULATE DOSAGE FORMS OF SOLIFENACIN

(51) International classification	:A61K0009200000, A61K0009000000, A61K0009160000, A61K0047320000, A61K0009190000	(71) Name of Applicant : 1)Jubilant Generics Limited Address of Applicant :Plot 1A, Sector 16A, Noida 201 301, Uttar Pradesh, India Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)MEHTA, Kamal S.
(33) Name of priority country	:NA	2)KUMAR, Dinesh
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a stable pharmaceutical composition comprising multiparticulate systems of solifenacin or its salts thereof, formulated into a rapidly disintegrating tablet dosage form or into a unit dosage form which can be dispensed in a sachet The prior art discloses restrictive formulation technique and suggest complex and time consuming process which requires highly specialized equipmentTMs to achieve desired technical attributes. The prepared test formulations are simple, reproducible and use cost-effective manufacturing process which exhibited desired pharmaceutical technical attributes like drug release, assay and stability.

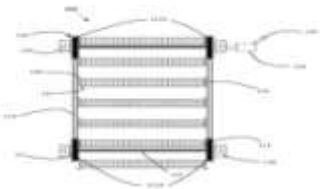
No. of Pages : 29 No. of Claims : 10

(54) Title of the invention : AN APPARATUS FOR VERTICAL GARDENING AND FARMING

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)Vikas Verma Address of Applicant :B-292, 3RD A Floor, Vasant Kunj enclave, New Delhi -110070, India Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Vikas Verma
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus (100) for vertical gardening, comprises a pulley-belt system (110) connected to a wall, a plurality of plant vessels (118) having a first end (120) and a second end (122), hinged to the pulley-belt system (110) from the first end (120), a worm (212) and worm wheel (210) arrangement connected with the pulley-belt system (110), a handle (126) connected with the worm (212) and worm wheel (210) arrangement, the plurality of plant vessels (118) configured to contain a plurality of plants (410). Further, the handle (126), upon rotation, is configured to rotate worm (212) and worm wheel (210) arrangement. Further, the worm (212) and worm wheel (210) arrangement is configured to transfer the rotatory motion of the handle (126) to the pulley-belt system (110). Further, the pulley-belt system (110), upon rotation, is configured to ascend or descend the plurality of vessels (118).



No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030959 A

(19) INDIA

(22) Date of filing of Application :18/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR AUTOMATED MONITORING AND REPORTING OF VISUAL MERCHANDISING ELEMENTS

(51) International classification	:G01N0033533000, H05B0031000000, B01J0020286000, C02F0003280000, B63C0007260000	(71) Name of Applicant : 1)TRIAD TECHNOLOGIES PRIVATE LIMITED Address of Applicant :H-59, Basement, Kalka ji, NEW DELHI - 110019 Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)Ashish Choudhary
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for automated monitoring and reporting of visual merchandising elements includes, at least one sensor for measuring multiple health parameters of the visual merchandising elements; a data transmission component connected to the at least one sensor, the data transmission component being configured to transmit data related to the multiple health parameters of the visual merchandising elements; and, at least one mobile application for managing the at least one sensor, the data transmission component, and other connected devices.

No. of Pages : 19 No. of Claims : 8

(54) Title of the invention : A SOLAR COOKING SYSTEM BASED ON PREHEATED WATER TO REDUCE CO2 EMISSION

(51) International classification :H01M0010440000,
G11B0017049000,
G03G0015080000,
A24D0003060000,
B65D0006220000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SHOOLINI UNIVERSITY
Address of Applicant :VILLAGE BHAJOL, P.O.
SULTANPUR, SOLAN-173229(HP) Himachal Pradesh India

(72)Name of Inventor :
1)DR RAJESH KUMAR
2)ER ANKIT GUPTA
3)PROF RAJA SEKHAR Y
4)PROF SS CHANDEL,

(57) Abstract :

This invention relates to the enviro-friendly hydrothermal method to developed lead free relaxor dielectric materials. This method is operating at very low temperature so that growth of crystal is fine and homogeneous. A study on the reduction of CO2emission from a 500 persons™ solar steam cooking plant fixed on girl™s hostel of Shoolini University, Solan (HP) has been performed and noticed that one commercial LPG cylinder has been saved on daily basis reducing 17,217.42 kg of CO2 emission per year. According to UNCDM, it will earn 17.2 carbon credits for the University. Further to increase the performance of the plant, preheated water from flat plate collector was supplied to the plant. This enabled steam formation inside heat pipe one hour prior to normal winter days™ hours. 500 L of hot water was additionally supplied to curb jaundice outbreak. Use of preheated water for steam generation saved another half commercial LPG cylinder, which in turn has reduced 8,608.71 kg of CO2 emission, earning 8.6 more carbon credits. The total reduction in CO2 emission has been found 25,826.13 kg per year and earnings of 25.8 carbon credits to the University. These earned carbon credits may be redeemed as per global carbon credit rules.



No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811031155 A

(19) INDIA

(22) Date of filing of Application :20/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PROCESS OF PRODUCING A STABILIZED L-CITRULLINE RICH WATERMELON RIND

(51) International classification	:A61K0031198000, A01H0005080000, C07C0273180000, A01H0006780000, C07K0014495000	(71) Name of Applicant : 1)CHAIRMAN, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION Address of Applicant :Ministry of Defence, Govt. of India, Room No. 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi-110011 (India) Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)RAGHAVAN, Anilakumar Kandangath
(33) Name of priority country	:NA	2)SHIVANNA, Naveen
(86) International Application No	:NA	3)NAIKA, Mahadeva
Filing Date	:NA	4)SHARMA, Rakesh Kumar
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a process of producing a stabilized L-citrulline rich watermelon rind. Further, the present invention discloses a stabilized L-citrulline rich watermelon rind.

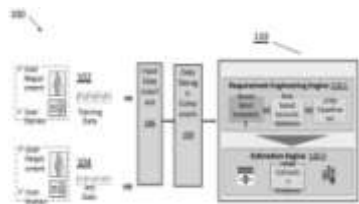
No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : AUTOMATED SOFTWARE PROJECT ESTIMATION

(51) International classification	:G06N0003080000, G06Q0010060000, G06F0008770000, G16H0050200000, G06F0016907000	(71)Name of Applicant : 1)ACCENTURE GLOBAL SOLUTIONS LIMITED Address of Applicant :3 Grand Canal Plaza, Grand Canal Street Upper, Dublin 4, Ireland Ireland
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)HARSUKHLAL SODHA, Rakeshkumar
(33) Name of priority country	:NA	2)NANAL, Mihir
(86) International Application No	:NA	3)PATTAJOSHI, Sasmita
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Examples for automatically evaluating a software project requirement are disclosed. In an example, a neural word vector corresponding to a requirement file is generated and the neural word vector based on a score based vector is updated. An output vector comprising a conditional probability distribution of a plurality of answers associated with a plurality of questions identified from the updated neural word vector is generated. Further, a set of input parameters associated with at least one of the software project and the requirement is obtained. Based on the output vector and the set of input parameters, an effort required for completing the requirement may be estimated. A validation score associated with the requirement based on the output vector and a plurality of validation and classification parameters may be determined.



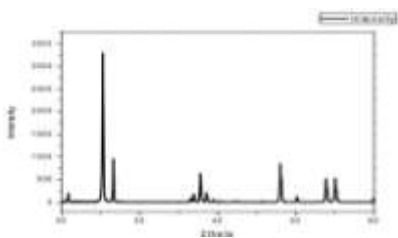
No. of Pages : 51 No. of Claims : 20

(54) Title of the invention : GREEN SYNTHESIZED TiO₂ NANOFUID FOR ENHANCED THERMAL STORAGE CAPACITY OF (CH₂OH)₂

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)SHOOLINI UNIVERSITY Address of Applicant :VILLAGE BHAJOL, P.O. SULTANPUR, SOLAN-173229(HP) Himachal Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR RAJESH KUMAR
(32) Priority Date	:NA	2)ANKUSH CHAUHAN
(33) Name of priority country	:NA	3)RITESH VERMA
(86) International Application No	:NA	4)ALLAH DEKAMA JARA
Filing Date	:NA	5)DR MAMTA SHANDILYA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In present invention TiO₂ nanoparticles are synthesized from neem leaves by green synthesis. Preparation of two solutions of TiO₂ based nanofluid with surfactant CTAB and without surfactant was done. Both the solutions were kept undisturbed for determining their stability on the bases of visual sedimentation. It was observed that TiO₂-(CH₂OH)₂ nanofluid prepared without surfactant has no visual sedimentation for 10 hours. Few mm layer has been observed at the bottom of the test tube. After 20 hours the particles were partially dispersed with sedimentation. On the other hand, TiO₂-(CH₂OH)₂ based nanofluid had showed visual sedimentation in just 3 hours. Hence TiO₂-(CH₂OH)₂ nanofluid without surfactant is more stable as compared to TiO₂ nanofluid prepared with surfactant (CTAB). It was concluded that there was a positive enhancement in thermal storage capacity of TiO₂-(CH₂OH)₂ based nanofluid as compared to base fluid(CH₂OH)₂



No. of Pages : 17 No. of Claims : 5

(54) Title of the invention : VEHICLE

(51) International classification :B62K0019460000,
F24C0015200000,
B08B0005020000,
A47L0005140000,
A61L0009160000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

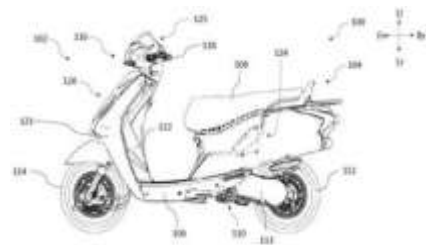
1)Hero MotoCorp LimitedAddress of Applicant :34, Community Center, Basant Lok,
Vasant Vihar New Delhi Delhi - 110057, India Delhi India

(72)Name of Inventor :

1)ANUBHAV TYAGI**2)LALIT PRAKASH GAUTAM**

(57) Abstract :

The present invention describes a vehicle (100) comprising a body frame (130), a storage box (124), and an air cleaning device (150). The storage box (124) is coupled to the body frame (130). The air cleaning device (150) is disposed within the storage box (124). The air cleaning device (150) comprises a housing wall structure (160), a removable filter element (164), a cover member (162), and an air inlet duct (158). At least portion of the housing wall structure (160) is formed integral with the storage box (124). With the present invention, susceptibility of the air cleaning device (150) to the foreign material such as mud and dust is reduced or eliminated, this increases the life and efficiency of the removable filter element (164), thereby effectively preventing foreign material from entering into an engine (111).



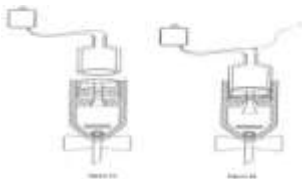
No. of Pages : 20 No. of Claims : 10

(54) Title of the invention : CHECK VALVE DRIP SET

(51) International classification	:H04L0029080000, C07D0417140000, C07D0417060000, C07D0263320000, G03G0015000000	(71)Name of Applicant : 1)SHRI MATA VAISHNO DEVI UNIVERSITY Address of Applicant :Katra, Jammu and Kashmir, India- 182320 Jammu & Kashmir India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Vikrant Charak
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a check valve drip set to prevent flow of blood from patient body towards glucose/blood container during empty glucose/blood container condition. The check valve drip set (1) comprises a body (5) having an internal fluid region (8) defined between an upper end (10) and a lower end (9). A first plate (11) is disposed at the upper end of the body (5). The first plate (11) includes at least one through hole (16). At least one flap (15) is disposed in the internal fluid region (8). The at least one flap (15) is configured to cover the at least one through hole (16) of the first plate (11) to inhibit fluid flowing from the lower end (9) of the body (5) towards the upper end of the body (5).



No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811031413 A

(19) INDIA

(22) Date of filing of Application :22/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITION OF FERMENTED HERBAL DRINK AND METHOD OF PREPARATION THEREOF

(51) International classification	:A61K0036810000, A61K0036185000, A61K0036230000, A61K0036258000, C12G0003020000	(71) Name of Applicant : 1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab -140413, India. Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. Tarun Kumar
(33) Name of priority country	:NA	2)Dr. Vipasha Sharma
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a composition and method for preparing fermented herbal drink product. The composition comprising an ashwagandha ranging from 5% by wt to 14% by weight, a brahmi ranging from 3% by wt to 8% by wt, an apple juice ranging from 400 ml to 1200 ml; and a pre activated yeast cells. The method of preparing herbal fruit extract comprising the steps of : i) mixing the apple juice with the pre activated yeast cell and sucrose solution to obtain a mixture and incubating at 37 degree celsius to obtain a fermented apple juice mixture; ii) filtering the fermented juice to obtain a filtrate and mixing with the pre activated yeast cells and the sucrose solution to obtain a filtered juice; iii) adding half of the Ashwagandha and Brahmi extract into the filtered juice and placing it in shaker incubator to obtain a fermented herbal fruit extract.

No. of Pages : 16 No. of Claims : 7

(54) Title of the invention : AYURVEDIC METAL BASED FORMULATION FOR CHRONIC KIDNEY DISEASE AND METHOD THEREOF

(51) International classification	:B65D0051280000, B65D0090020000, F26B0013000000, B65D00900000000, E21B0034100000	(71) Name of Applicant : 1)Dr. SUBHASH CHANDRA SWAMI Address of Applicant :P-4/13, AYURVED BHAWAN,DEEN DAYAL PURAM,BAREILLY- 243005,UTTAR PRADESH Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. SUBHASH CHANDRA SWAMI
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The current invention discloses a method and formulation for curing the chronic kidney diseases, wherein the formulation is essentially comprised of ayurvedic metal based constituents. The formulation is comprised of Bhavana Dravyas and primary constituents namely Haritala Bhasma, Lauha Bhasma, Swarnamakshika Bhasma, Abhraka Bhasma and secondary constituents namely Mandoora Bhasma, Hareetaki, Vibheetaki, Amalaki, Shunti, Maricha, Pippali, Nagarmotha, Chitrakamoola, Vayavidanga, Vasa, Nirgundi, Bhringaraja, Gorakhmundi Giloya, Varuna, Yashtimadhu along with other excipients and constituents. The formulation disclosed herein is obtained through the process of mixing the constituents, addition of multiple constituentTMs decoction to primary and secondary constituents combined mixture.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811031590 A

(19) INDIA

(22) Date of filing of Application :23/08/2018

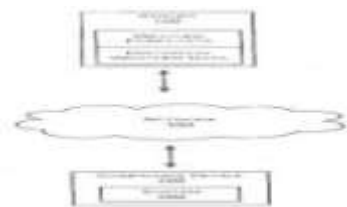
(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM, APPARATUS AND METHOD FOR POWER GENERATION AND SCHEDULING

(51) International classification	:H02J0007350000, G01W0001020000, G01W0001000000, G01W0001100000, H01L0031042000	(71) Name of Applicant : 1)Azure Power India Pvt. Ltd Address of Applicant :3rd Floor, Asset 301-304, Worldmark 3, Aerocity, New Delhi - 110037 Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Kumar, Shankar
(33) Name of priority country	:NA	2)Attri, Archit
(86) International Application No	:NA	3)Wadhwa, Inderpreet
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system, method, and apparatus for determining an amount of power to be generated by a renewable power source, such as solar energy, are disclosed. The method includes receiving historical weather data stored in a repository. Weather data may be determined for a pre-determined time period by analyzing the historical weather data, using a data model. The amount of power to be generated by the renewable power source may be determined using the weather data and losses that occur during generation of the power. (FIG. 1)



No. of Pages : 18 No. of Claims : 14

(54) Title of the invention : LUBRICATION SYSTEM

(51) International classification	:F01M0011020000, F01M0001160000, H01C0007180000, C02F0001680000, F02C0007100000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

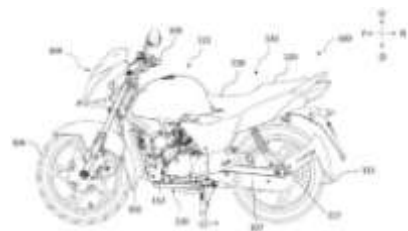
1)Hero MotoCorp LimitedAddress of Applicant :HERO MOTOCORP LIMITED,
located at 34 Community Center, Basant Lok, Vasant Vihar, New
Delhi -110057 Delhi India

(72)Name of Inventor :

1)MANPREET SINGH

(57) Abstract :

In one aspect of the present invention, a lubrication system (400) is provided. The lubrication system (400) includes a shaft (200), the shaft (200) having a first end (201), a second end (202), a first gallery (206a) at the first end (201), and a second gallery (206b) at the second end (202), wherein the first gallery (206a) is fluidically connected to the second gallery (206b) allowing flow of lubrication oil through the first end (201) and the second end (202); and a motion transferring means (250) comprising; an inner surface (251), an outer surface (253), and a peripheral surface (252). The motion transferring means (250) is mounted on the second end (202) such that lubrication oil is transferred through the first gallery (206a), the second gallery (206b) and the inner surface (251) to the peripheral surface (252).



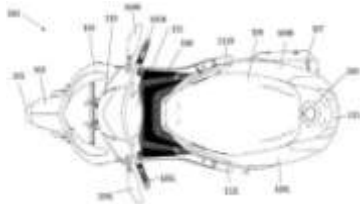
No. of Pages : 26 No. of Claims : 10

(54) Title of the invention : CAP ASSEMBLY

(51) International classification	:A61M0005320000, B41J0002165000, H01M0002040000, H01M0002300000, B60K0015040000	(71)Name of Applicant : 1)Hero MotoCorp Limited Address of Applicant :HERO MOTOCORP LIMITED, located at 34 Community Center, Basant Lok, Vasant Vihar, New Delhi -110057 Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SONU KUMAR
(33) Name of priority country	:NA	2)SURENDRA MADHUKAR DALVI
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter describes a vehicle (100) comprising a cap assembly (200). The cap assembly (200) comprises a locking mechanism (210), a cap housing (201), a cap member (202), and a cover member (205). The cap member (202) is openably and closeably attached to a portion (204) of the cap housing (201) and adapted to be lockable and unlockable by actuation of the locking mechanism (210). An extended member (203) is protruding outwards in radial direction from the cap housing (201) and adapted to accommodate the locking mechanism (210). The cover member (205) covers at-least portion of the extended member (203) and the locking mechanism (210). The cover member (205) comprises a first cover member (205a), and a second cover member (205b). With the present invention entry of all foreign materials is restricted into the cap assembly (200).



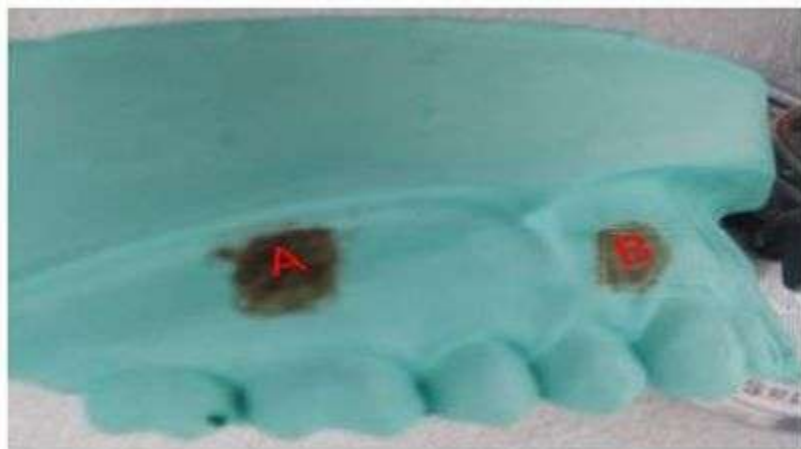
No. of Pages : 23 No. of Claims : 10

(54) Title of the invention : DR. NARULA'S INTRA ORAL EEG MONTAGE SCHEME

(51) International classification	:A61B0005000000, A61B0005047800, A61B0005047600, G11C0011160000, H02N0001000000	(71)Name of Applicant : 1)Dr. Satish Chander Narula Address of Applicant :AD 49A, Pitam Pura Delhi Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Satish Chander Narula
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Conventional EEG Montage schemes have certain limitations i.e. Interference from Muscular activity signals ,difficulty to retain over Hairs, and comparatively many times more electrical resistance leading to less availability of signals and higher signal magnification requirement. The proposed Intra Oral Montage scheme is sufficient to overcome the difficulties.



No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811031694 A

(19) INDIA

(22) Date of filing of Application :24/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN IMPROVED PROCESS FOR DECOMPOSITION OF DIAZONIUM SALT

(51) International classification	:C07D0471040000, C07D0487040000, C07D0211760000, A61K0031165000, C07D0207273000	(71) Name of Applicant : 1)SRF Limited Address of Applicant :Unicrest Building, Block C, Sector 45, Gurgaon-122003, India Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)RATNAMALA RAJASHEKAR
(33) Name of priority country	:NA	2)DESHMUKH SATENDRA
(86) International Application No	:NA	3)KATHURIA GAURAV
Filing Date	:NA	4)PHILIPS MARIANO
(87) International Publication No	: NA	5)DASNAMOORTHY SRIKANTH
(61) Patent of Addition to Application Number:	NA	6)SANTHANAGOPALAN PURUSHOTHAMAN
Filing Date	:NA	7)ARUMUGAM NAGAPPAN
(62) Divisional to Application Number	:NA	8)KUMAR KAPIL
Filing Date	:NA	9)JAIN ANURAG

(57) Abstract :

The present invention provides an improved process for decomposition of the diazonium salt in semi batch or continuous to prepare a compound of formula I. Formula I wherein Z • represents carbon or nitrogen atom, R • may be selected from hydrogen, alkyl, halogen, cyano, nitro, alkoxy, hydroxy and combination thereof, n represent 0-4; X represents halogen selected from fluoro, chloro, bromo and iodo.

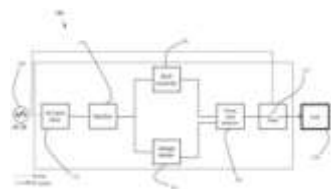
No. of Pages : 20 No. of Claims : 8

(54) Title of the invention : A SYSTEM FOR PROTECTION OF SOLID STATE ELECTRICAL DEVICES AGAINST OVER AND/OR UNDER VOLTAGE CONDITIONS

(51) International classification	:H01M0010440000, G11B0017049000, G03G0015080000, A24D0003060000, B65D0006220000	(71)Name of Applicant : 1)Greenstar Research and Development India Private Limited Address of Applicant :Plot No-148, Sector-5, IMT Manesar, Gurgaon- 122050, Haryana, India Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Tom Wright
(33) Name of priority country	:NA	2)Prajapati Dangwal
(86) International Application No	:NA	3)Sumant Mukherjee
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system (100) for protection of solid state electrical devices against over and/or under voltage conditions, comprises an AC input (110), supplying an AC connected with fuse, AC filters (112), connected with the AC input (110) via the fuse, configured to filter the AC, rectifiers (114), connected with the AC filters (112), configured to convert the AC line voltage into DC line voltage thereby forming a DC bus voltage, buck converters (118), connected with the rectifiers (114), configured to step down the DC bus voltage thereby providing a first DC voltage, voltage dividers (116), connected with the rectifiers (114), configured to divide the DC bus voltage, thereby generating a second DC voltage, a threshold detector (120) connected with the buck converters (118) and the voltage dividers (116), a relay (122) connected with the threshold detector (120),the AC input (110) supplying the AC and one or more loads (124).



No. of Pages : 19 No. of Claims : 11

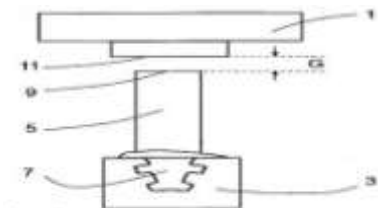
(54) Title of the invention : TURBINE CLEARANCE CONTROL COATINGS AND METHOD

(51) International classification :C23C14/06C23C14/34C23C14/35
 (31) Priority Document No :US 62/253 194
 (32) Priority Date :10/11/2015
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2016/001854
 Filing Date :09/11/2016
 (87) International Publication No :WO/2017/080645
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)OERLIKON SURFACE SOLUTIONS AG, PF,,FFIKON
 Address of Applicant :Churerstrasse 120 8808 Pfffikon
 Switzerland
 (72)Name of Inventor :
1)WILSON, SCOTT
2)ACIKGOZ DOROKIN, Canet
3)ROVERE, Florian
4)JARRY, OLIVIER
5)NESTLER, Montia

(57) Abstract :

The present invention discloses a turbine engine with at least a high pressure and a low pressure turbine section comprising a casing and at least one turbine blade rotatably mounted within the casing wherein at least part of the inner surface of the casing is covered with shrouds as abradables to provide clearance control between the inner surface and the tip of the at least one blade and wherein the tip of the blade is coated with a hard PVD coating, characterized in that the shroud material of at least the high pressure and/or the low pressure section comprises a porous ceramic based material and the hard PVD coating on the tip of the blade essentially consists of a droplet free nitride coating.



No. of Pages : 17 No. of Claims : 9

(54) Title of the invention : AIRCRAFT EMERGENCY EXIT DOOR WITH INTEGRATED MECHANISMS AND METHOD FOR OPENING/CLOSING SUCH A DOOR

(51) International classification :B64C 1/14
(31) Priority Document No :1560538
(32) Priority Date :03/11/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/076324
Filing Date :02/11/2016
(87) International Publication No :WO/2017/076848
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LATECOERE
Address of Applicant :135 Rue de Priole 31500 Toulouse
France
(72)Name of Inventor :
1)BESSETTES, Cyrille
2)BUCHET, Damien

(57) Abstract :

An aircraft emergency exit door (10) with opening mechanisms integrated by a grouping of said mechanisms into a door beam (3) located on a given side of a window (16) of standard dimensions. In said beam an inner handle (1) is mounted on a main shaft (102) connected with a locking shaft (8A) on which there is mounted against return springs (83) a door blocking/locking mechanism (8) comprising a lock (81). A mechanism for conditionally opening the door (100) comprises a vent flap (110) a pivot connection (12) for coupling the flap (110) to the inner handle (1) and a blocking shaft (120) that has at each end a pressure lever (121) equipped with supports for blocking (122) and unblocking (123) the flap (110). Return springs (32) mounted against the conditional opening mechanism (100) are calibrated to allow the opening of said flap (110) by exerting reduced pressure in residual pressure variation conditions and to prevent it from opening in overpressure conditions.

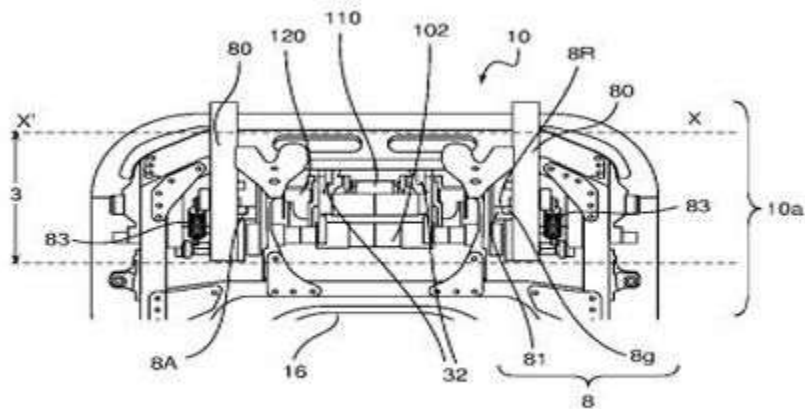


Fig. 8a

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817017454 A

(19) INDIA

(22) Date of filing of Application :09/05/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : PHOSPHINIC PEPTIDE DERIVATIVES FOR USE AS MMP-12 INHIBITORS

(51) International classification :C07F 9/572, C07F 9/6553, C07F 9/30, A61P 17/00, A61K 31/67
(31) Priority Document No :EP15197009.2
(32) Priority Date :30/11/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/078511
Filing Date :23/11/2016
(87) International Publication No :WO/2017/093093
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DSM IP ASSETS B.V.

Address of Applicant :Het Overloon 1 6411 Te Heerlen
Netherlands

(72)Name of Inventor :

1)BOUDON, Stphanie

2)JACKSON, Eileen

3)SCHUETZ, Rolf

4)VOLLHARDT, J¼rgen, Herbert

5)WIKSTROEM, Peter

6)WANDELER, Eliane, Ursula

(57) Abstract :

This invention relates to compounds that are selective inhibitors of Matrix Metalloprotease-12 (MMP-12) to cosmetic and pharmaceutical compositions containing them and to their use in the prevention and/ or treatment of ailments associated with MMP-12. Formula (I).

No. of Pages : 32 No. of Claims : 15

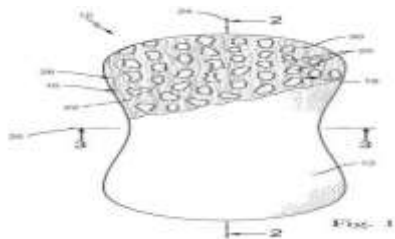
(54) Title of the invention : ABSORBENT STRUCTURE

(51) International classification :A61F 13/534, A61F 13/53
(31) Priority Document No :62/251064
(32) Priority Date :04/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060581
Filing Date :04/11/2016
(87) International Publication No :WO 2017/079597
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)THE PROCTER & GAMBLE COMPANY
Address of Applicant :One Procter & Gamble Plaza
Cincinnati, Ohio 45202 U.S.A.
(72)Name of Inventor :
1)BEWICK-SONNTAG, Christopher Philip
2)MORROW, Clint, Adam
3)HUBBARD JR., Wade, Monroe

(57) Abstract :

An absorbent structure comprising one or more absorbent layers wherein the absorbent structure exhibits a first cycle Peak Force compression between about 30 grams and about 150 grams. The absorbent structure further exhibits a fifth cycle dry recovery energy between 0.1 mJ and 2.8 mJ.



No. of Pages : 49 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817017471 A

(19) INDIA

(22) Date of filing of Application :09/05/2018

(43) Publication Date : 07/08/2020

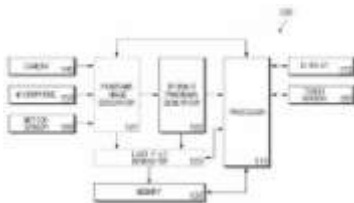
(54) Title of the invention : APPARATUS AND METHOD FOR PROVIDING DYNAMIC PANORAMA FUNCTION

(51) International classification :H04N 5/232, G03B 37/00, G06T 5/50
 (31) Priority Document No :10-2016-0017863
 (32) Priority Date :16/02/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/001567
 Filing Date :13/02/2017
 (87) International Publication No :WO 2017/142278
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)SAMSUNG ELECTRONICS CO., LTD.
 Address of Applicant :129, Samsung-ro, Yeongtong-gu
 Suwon-si Gyeonggi-do 16677 Republic of Korea
 (72)Name of Inventor :
1)LEE, Si Hyoung
2)KIM, Jae Hyun
3)SONG, In Sun
4)LEE, Hoo Hyoung
5)CHOE, Ji Hwan
6)KIM, Ki Woong
7)SEO, Dong Jun

(57) Abstract :

An electronic device and a method of operating a panorama function in the electronic device are provided. The electronic device includes at least one processor a memory a camera configured to sequentially obtain a plurality of images if an image capture is started and a sensor configured to sense motion of the electronic device. The at least one processor is configured to store in the memory a panorama content file comprising panorama image data and dynamic panorama data generated based on the plurality of images and the motion of the electronic device sensed during the image capture.



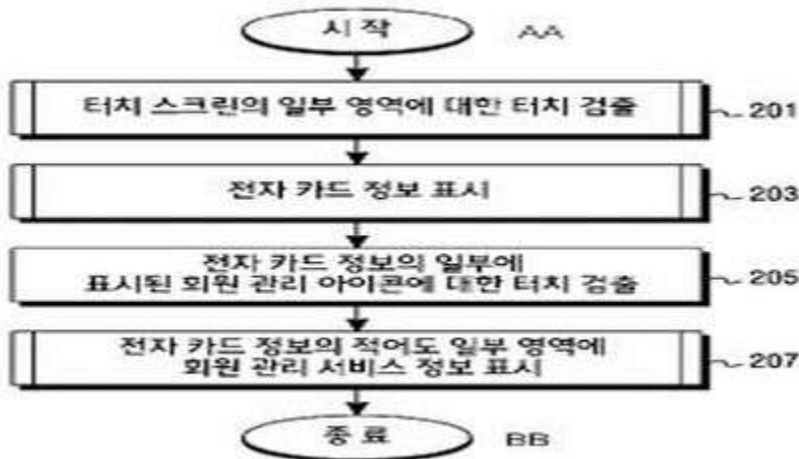
No. of Pages : 30 No. of Claims : 15

(54) Title of the invention : METHOD FOR PROVIDING PAYMENT SERVICE AND ELECTRONIC DEVICE THEREFOR

(51) International classification	:G06Q 20/16, G06F 3/041, G06F 3/048, G06K 9/00, G06Q 20/32	(71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129, Samsung-ro Yeongtong-gu Suwon-si Gyeonggi-do 16677 Republic of Korea
(31) Priority Document No	:10-2015-0154824	(72)Name of Inventor :
(32) Priority Date	:04/11/2015	1)PARK, Chanpyo
(33) Name of priority country	:Republic of Korea	2)PAEK, Jooyoun
(86) International Application No	:PCT/KR2016/012442	3)KIM, Heejung
Filing Date	:01/11/2016	4)SEO, Youbi
(87) International Publication No	:WO 2017/078365	5)YU, Byungin
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Various examples of the present invention relate to a device and a method for providing a mobile payment service and a membership management service in an electronic device wherein the electronic device comprises a touch screen and a processor for controlling the touch screen and the processor can control the touch screen such that: a first screen corresponding to at least one electronic card is displayed when a touch input for at least a partial region of the touch screen is detected and a second screen corresponding to the membership management service is displayed in at least a partial region of the first screen when a touch input for a membership management service icon included in the partial region of the first screen is detected. Other examples are possible.



No. of Pages : 55 No. of Claims : 15

(54) Title of the invention : PAINTING BOOTH WITH OVERSPRAY REMOVAL SYSTEM METHOD FOR REMOVING THE OVERSPRAY AND PLANT

(51) International classification :B05B 15/12, B01D 46/32
(31) Priority Document No :102015000079570
(32) Priority Date :02/12/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/057150
Filing Date :28/11/2016
(87) International Publication No :WO 2017/093874
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GEICO SPA
Address of Applicant :Via Pelizza da Volpedo 109/111 I-20092 Cinisello Balsamo (MI) Italy
(72)Name of Inventor :
1)IGLIO, Valerio
2)DI LUCREZIA, Alessandro

(57) Abstract :

A painting booth (10) comprises a painting chamber (11) inside which the paint is sprayed and which is crossed by an air flow for evacuation of the overspray from the booth. The air flow exiting the booth passes through an overspray removal unit (17) for removing the overspray from the air flow. The removal unit (17) comprises an incoherent mass of cleaning elements (25) possibly pellets kept in a stirred condition through which the air flow containing the overspray passes so as to release the overspray onto the elements of the mass. A method for removing the overspray and a plant with the booth (10) and a combustion unit (32) are also described.

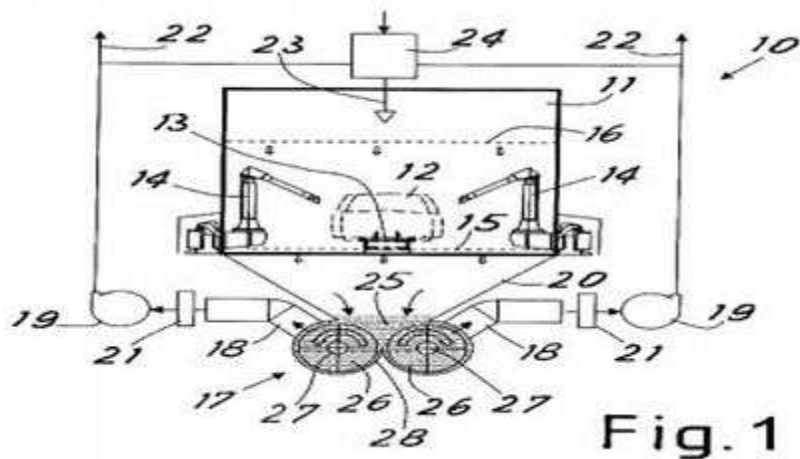


Fig. 1

No. of Pages : 9 No. of Claims : 16

(54) Title of the invention : ANTENNA STRUCTURE AND ELECTRONIC DEVICE INCLUDING THE SAME

(51) International classification :H01Q 1/24, H01Q 5/35, H01Q 9/04, H01Q 9/42

(31) Priority Document No :10-2015-0153407

(32) Priority Date :02/11/2015

(33) Name of priority country :Republic of Korea

(86) International Application No :PCT/KR2016/010776

Filing Date :26/09/2016

(87) International Publication No :WO 2017/078274

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

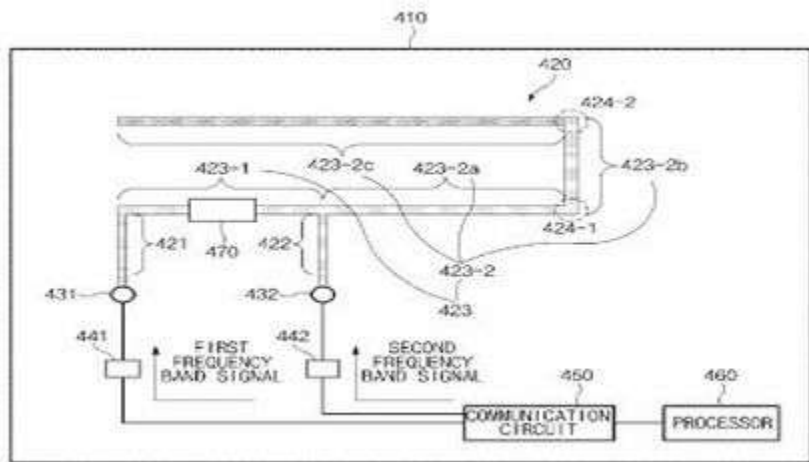
Filing Date :NA

(71)Name of Applicant :
1)SAMSUNG ELECTRONICS CO., LTD.
 Address of Applicant :129, Samsung-ro, Yeongtong-gu Suwon-si Gyeonggi-do 16677 Republic of Korea

(72)Name of Inventor :
1)PARK, Gyu Bok
2)SEOL, Kyung Moon
3)KIM, Ji Ho
4)JANG, Kyi Hyun
5)ROH, Hyun Seock
6)SUNG, Sang Bong

(57) Abstract :

An antenna structure is provided for use in an electronic device. The antenna structure includes a first feeding part; a second feeding part; and an antenna radiator including a first connection pattern including a first end and a second end the first end of the first connection pattern being electrically connected to the first feeding part; a second connection pattern including a first end and a second end the first end of the second connection pattern being electrically connected to the second feeding part; a first pattern that connects the second end of the first connection pattern and the second end of the second connection pattern; and a second pattern that extends from at least one end of the first pattern. The first feeding part is configured to transmit or receive a signal of a first frequency band and the second feeding part is configured to transmit or receive a signal of a second frequency band that at least partially overlaps the first frequency band.



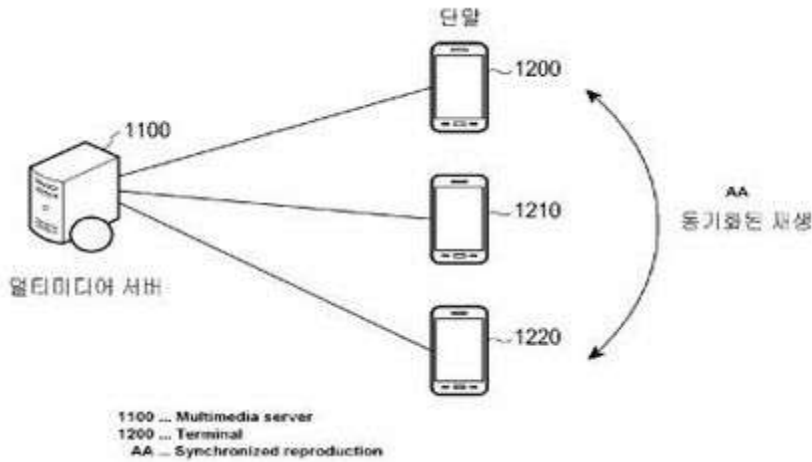
No. of Pages : 30 No. of Claims : 15

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING UNICAST-BASED MULTIMEDIA SERVICE

(51) International classification	:H04W 28/10, H04W 56/00, H04W 4/06	(71)Name of Applicant :
(31) Priority Document No	:10-2015-0143104	1)SAMSUNG ELECTRONICS CO., LTD.
(32) Priority Date	:13/10/2015	Address of Applicant :129, Samsung-ro, Yeongtong-gu
(33) Name of priority country	:Republic of Korea	Suwon-si Gyeonggi-do 16677 Republic of Korea
(86) International Application No	:PCT/KR2016/011489	(72)Name of Inventor :
Filing Date	:13/10/2016	1)YANG, Hyun-Koo
(87) International Publication No	:WO 2017/065520	2)PARK, Kyung-Mo
(61) Patent of Addition to Application Number	:NA	3)BAE, Jae-Hyeon
Filing Date	:NA	4)SO, Young-Wan
(62) Divisional to Application Number	:NA	5)CHOI, Byeong-Do
Filing Date	:NA	

(57) Abstract :

A method for providing a multimedia service based on unicast according to the present invention comprises the steps of: packetizing multimedia data; when a terminal accesses the multimedia service determining a mode for transmitting the multimedia data to the terminal; generating a signaling message including information on the determined mode and transmitting the signaling message to the terminal; and transmitting first data among the packetized multimedia data to the terminal on the basis of the determined mode.



No. of Pages : 19 No. of Claims : 10

(54) Title of the invention : INVERTER HAVING NETWORK SEPARATION POINT AND INSULATION RESISTANCE MEASUREMENT AND METHOD FOR MEASURING AN INSULATION RESISTANCE

(51) International classification	:H02J 3/38, G01R 27/18, G01R 31/40, G01R 31/02, G01R 31/42	(71)Name of Applicant : 1)SMA SOLAR TECHNOLOGY AG Address of Applicant :Sonnenallee 1 34266 Niestetal Germany
(31) Priority Document No	:10 2015 122 636.7	(72)Name of Inventor : 1)FRIEBE, Jens
(32) Priority Date	:22/12/2015	2)MUELLER, Burkard
(33) Name of priority country	:Germany	3)PUTZ, Martin
(86) International Application No	:PCT/EP2016/081568	
Filing Date	:16/12/2016	
(87) International Publication No	:WO 2017/108633	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an inverter (1) having a circuit arrangement (2) for measuring an insulation resistance wherein the inverter (1) comprises at least one half bridge (3) having at least two switch elements (4) and a network separation point (5) having a series connection formed of two separation devices (6a 6b). The series connection of the network separation point (5) is arranged between a central point (7) of the half bridge (3) and an AC voltage connection (8) of the inverter (1) provided for connecting a phase conductor or a neutral conductor of an AC voltage network. The circuit arrangement has a resistance (9) and a voltage measurement device (10) and is characterised in that the resistance (9) is arranged electrically parallel to one of the separation devices (6a 6b) of the network separation point (5) and the voltage measurement device (10) is arranged electrically between the output-side connection (11) of the resistance (9) and one of the end points (12a 12b) of the half bridge (4). The invention also relates to an associated method for determining an insulation resistance of the inverter (1).

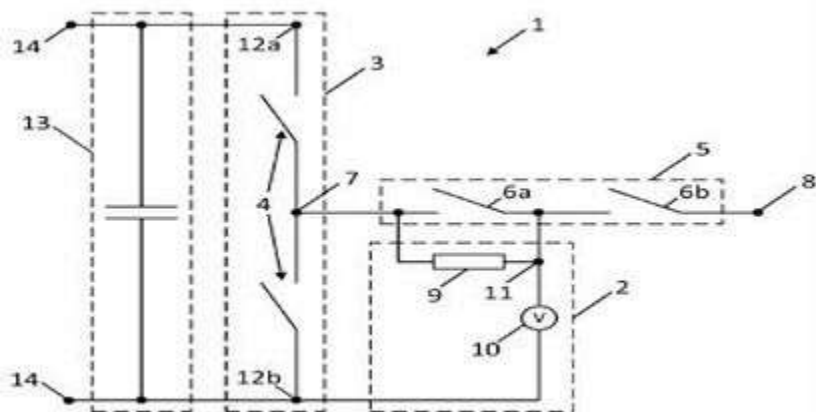


Fig. 1

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817019820 A

(19) INDIA

(22) Date of filing of Application :28/05/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPUTERIZED FLAT KNITTING MACHINE AND KNITTING METHOD THEREFOR AND DEVICE HAVING STORAGE FUNCTION

(51) International classification :D04B 1/10, D04B 15/70
(31) Priority Document No :201810139579.8
(32) Priority Date :09/02/2018
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/085001
Filing Date :28/04/2018
(87) International Publication No :WO 2019/153540
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)FUJIAN RAYNEN TECHNOLOGY CO., LTD.

Address of Applicant :TU, Chuanguan Bldg. 26, Block C, Software Park, No. 89, Software Rd., Gulou District Fuzhou, Fujian 350003 China

(72)Name of Inventor :

1)TU, Chuanguan

2)ZHANG, Guoli

3)LIN, Jie

4)WEI, Yongxiang

5)ZOU, Yaojian

(57) Abstract :

Disclosed are a computerized flat knitting machine and a knitting method therefor, and a device having a storage function. The knitting method comprises: detecting the position of a computerized flat knitting machine head; upon detection that the head moves to the end position of a first knitting area (31), starting a needle bed moving event, so as to move a needle bed to a position corresponding to a second knitting area (32), the first knitting area (31) and the second knitting area (32) being located in the same knitting row, a gap existing between the first knitting area (31) and the second knitting area (32); and performing a knitting operation of the second knitting area (32). The knitting method can reduce the ineffective knitting stroke of the head, and also reduce the total number of rows generated for knitting a pattern, improving the production efficiency.

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817026468 A

(19) INDIA

(22) Date of filing of Application :16/07/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : HAND-HELD HAIR STYLING DEVICE

(51) International classification :A45D 24/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2018/086515

Filing Date :11/05/2018

(87) International Publication No :WO 2019/213944

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)WORLD WIDE DAILY HOLDINGS COMPANY LIMITED

Address of Applicant :19/F., Koon Wah Mirrors Factory, 3rd Industrial Building, 5-9 Ka Hing Rd., Kwai Chung, New Territories Hong Kong 999077 China

(72)Name of Inventor :

1)TO, Chun Yuen

(57) Abstract :

A hand-held hair styling device (101) includes a body (103) having a front side, a back side, and a side edge extending between the front and back sides. A rotatable base (137) is mounted on the body (103) for rotation relative to the body (103) about an axis of rotation (139). The rotatable base (137) has a surface (149) facing generally away from the body (103). The axis of rotation (139) of the rotatable base (137) extends substantially perpendicular to a longitudinal axis (143) of the body (103). At least one hair styling element (135) is mounted on the surface (149) of the rotatable base (137) for rotation with the rotatable base (137). The hair styling element (135) includes a twisted elongate member (935).

No. of Pages : 25 No. of Claims : 20

(54) Title of the invention : VACUUM COATING DEVICE FOR FLEXIBLE SUBSTRATE

(51) International classification :C23C 14/56, F28F
5/02, C23C 14/35
(31) Priority Document No :201721681092.X
(32) Priority Date :06/12/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/091570
Filing Date :15/06/2018
(87) International Publication No :WO 2019/109620
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

**1)MIASOL% EQUIPMENT INTEGRATION (FUJIAN)
CO., LTD.**Address of Applicant :No. 42 Zishan Road, Hi-Tech Zone
Licheng District Quanzhou, Fujian 360025 China

(72)Name of Inventor :

1)SUN, Hongxia**2)ZHOU, Yang****3)JIANG, Hu****4)HU, Chao****5)SHU, Yi****6)ZHU, Pengjian****7)CHEN, Fan****8)PAN, Deng****9)LONG, Wei**

(57) Abstract :

A vacuum coating device for a flexible substrate comprises a vacuum coating chamber (1) and a transition chamber (2) that are connected together and the vacuum coating chamber (1) is in communication with the transition chamber (2) by means of a slit. The vacuum coating device for a flexible substrate also comprises a heat dissipation roller (3) and the heat dissipation roller (3) is mounted in the transition chamber (2) by means of a tension regulation device (4). The heat dissipation roller (3) comprises a roller body (5) and a rotating shaft (6) the roller body (5) is fixedly mounted on the rotating shaft (6) and the roller body (5) and the rotating shaft (6) are coaxially disposed. The roller body (5) is provided with a plurality of heat dissipation channels (7) arranged in the axial direction of the roller body (5). The vacuum coating device for a flexible substrate has a good heat dissipation function and can effectively prevent the flexible substrate from wrinkles.

No. of Pages : 12 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817029329 A

(19) INDIA

(22) Date of filing of Application :03/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : RELIABILITY TEST APPARATUS FOR FLEXIBLE PHOTOVOLTAIC ASSEMBLY

(51) International classification :G01N 17/00
(31) Priority Document No :201721439727.5
(32) Priority Date :01/11/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/094698
Filing Date :05/07/2018
(87) International Publication No :WO 2019/085541
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)MIASOLE EQUIPMENT INTEGRATION (FUJIAN) CO., LTD.

Address of Applicant :No. 42 Zishan Road, Hi-Tech Zone, Licheng District Quanzhou, Fujian 362005 China

(72)Name of Inventor :

- 1)XU, Yongyuan**
- 2)HU, Pengchen**
- 3)YI, Shan**
- 4)XIAO, Jihong**
- 5)HUANG, Xianyi**
- 6)PAN, Erfeng**
- 7)MA, Wenjun**
- 8)LIU, Libing**

(57) Abstract :

Disclosed is a reliability test apparatus for a flexible photovoltaic assembly. The reliability test apparatus for a flexible photovoltaic assembly comprises: an environmental test chamber a temperature acquisition device and a placement frame provided in the environmental test chamber. The placement frame comprises at least one set of upright columns opposite to each other and a plurality of brackets horizontally stacked between the upright columns. The brackets are fixedly connected to the upright columns. A first gap is formed between the brackets and a plurality of air vents is formed on the brackets. The flexible photovoltaic assembly is horizontally placed on the brackets and the temperature acquisition device is fixedly provided on the surface of the flexible photovoltaic assembly. By means of the present application the poor structure problems such as deformation and creep of assemblies caused by vertically placing the assemblies are eliminated and in a preferred solution the gas circulation direction in the test chamber is changed by providing a baffle so that the temperature and humidity are kept uniform during the heating and cooling process and an accurate and effective reliability evaluation result can be obtained.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817029958 A

(19) INDIA

(22) Date of filing of Application :09/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : STRONG PASSWORD BY CONVENTION METHODS AND SYSTEMS

(51) International classification	:H04L 9/08
(31) Priority Document No	:16/047016
(32) Priority Date	:27/07/2018
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2018/055654
Filing Date	:28/07/2018
(87) International Publication No	:WO 2020/021318
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)LEE, Jasper Chee Pang
Address of Applicant :Flat 10b, 19/F, Broadway, Mei Foo Sun Chuen Kowloon Hong Kong China
(72)**Name of Inventor :**
1)LEE, Jasper Chee Pang

(57) Abstract :

Disclosed LTS strong password by convention systems include a password designation system, a portable password devices and other systems, Disclosed portable device include age-sensitive display systems to ensure that passwords and their replicas do not get forgotten or otherwise become stale. Portable devices include sophisticated electronics to commutate with a pet owner, including means of communication not requiring the use of a smart phone. Portable devices may include a base collar containing a microprocessor and other computer related components. Password rule engine support flexible password definition by means of pseudorandom expressions and may be adjusted as needed by an owner or subject systems. Disclosed device functions are executed by the disclosed portable devices and facilitate long-term password replication and policy-driven password maintenance.

No. of Pages : 24 No. of Claims : 9

(54) Title of the invention : FLEXIBLE PHOTOVOLTAIC MODULE FLATNESS MEASUREMENT METHOD AND APPARATUS

(51) International classification :G01B 21/30
 (31) Priority Document No :201721381579.6
 (32) Priority Date :24/10/2017
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2018/095629
 Filing Date :13/07/2018
 (87) International Publication No :WO 2019/080548
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)MIASOLE EQUIPMENT INTEGRATION (FUJIAN) CO., LTD.

Address of Applicant :No. 42 Zishan Road, Hi-Tech Zone, Licheng District Quanzhou, Fujian 362005 China

(72)Name of Inventor :

1)LIU, Lin

2)LI, Tao

3)YUAN, Qiang

4)ZENG, Jing

5)SUN, Shiyang

6)LIAN, Chongyan

7)HUANG, Zhaoxiong

(57) Abstract :

A flexible photovoltaic module flatness measurement apparatus comprising: a measurement platform (1) configured to fix a flexible photovoltaic module (2) to be measured; height measurers (4) sequentially corresponding to peaks and troughs on the flexible photovoltaic module (2) to be measured the multiple height measurers (4) all being located above the measurement platform (1); a height-adjustable support the multiple height measurers (4) being provided on the height-adjustable support. By means of descending of the height-adjustable support the multiple height measurers (4) are driven to respectively contact the peaks and the troughs on the corresponding flexible photovoltaic module (2) to be measured so as to measure the heights of the peaks and the troughs and measurement errors caused by local deformation of a battery assembly without timely measurement are reduced; moreover with the support of the height-adjustable support there is no need to move the measurement apparatus back and forth manually thereby reducing scratches on a flexible photovoltaic module (2) to be measured caused by the measurement apparatus; in addition multiple peaks and troughs can be measured simultaneously so that the measurement efficiency is greatly improved. Also disclosed is a flexible photovoltaic module flatness measurement method.

No. of Pages : 14 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817030085 A

(19) INDIA

(22) Date of filing of Application :10/08/2018

(43) Publication Date : 07/08/2020

(54) Title of the invention : SUPERCRITICAL FLUID CLEANING OF BANKNOTES AND SECURE DOCUMENTS UTILIZING OZONE

(51) International classification :A61L 101/10, A61L 2/02, A61L 2/20, G07D 13/00
(31) Priority Document No :62/648143
(32) Priority Date :26/03/2018
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/040726
Filing Date :03/07/2018
(87) International Publication No :WO 2019/190580
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SPECTRA SYSTEMS CORPORATION
Address of Applicant :321 S. Main St. Providence, RI 02903 U.S.A.
2)LAWANDY, Nabil
(72)Name of Inventor :
1)LAWANDY, Nabil

(57) Abstract :

A method and associated apparatus for cleaning a secure instrument including a substrate, visual data and a security feature, including exposing the secure instrument to ozone sufficient to clean the substrate and not compromise the security feature and the visual data, where to clean the substrate includes to remove one or more substances from the substrate into the ozone or to chemically alter the one or more substances in or on the substrate such that exposing the secure instrument to a supercritical fluid removes the one or more substances.

No. of Pages : 26 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911003889 A

(19) INDIA

(22) Date of filing of Application :31/01/2019

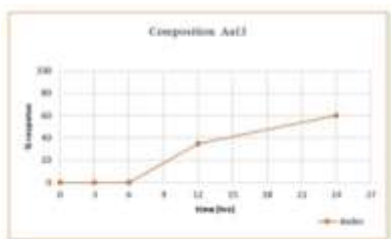
(43) Publication Date : 07/08/2020

(54) Title of the invention : LARVICIDAL FORMULATION AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification	:A01N0025040000, A01N0063000000, A01N0025020000, G01V0011000000, F21K0009600000	(71)Name of Applicant : 1)BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE (BITS), PILANI Address of Applicant :BITS Pilani, Pilani Campus, Vidya Vihar, Pilani, Rajasthan 333031, India Rajasthan India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Paul Atish Tulshiram
(33) Name of priority country	:NA	2)Pracheta Sengupta
(86) International Application No	:NA	3)Sanjeev Kumar
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides mosquito larvicidal formulation comprising a specific concentration of three plant extracts, and a process of preparation thereof. The formulations of the present invention advantageously provide 100% larvicidal activity against the larvae of different types of mosquitoes.



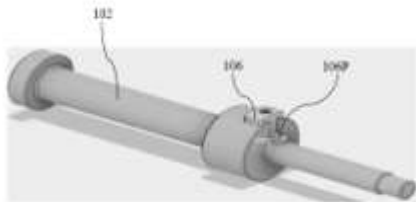
No. of Pages : 63 No. of Claims : 18

(54) Title of the invention : APPARATUS AND METHOD FOR ASSEMBLING FRICTION PLATE TO FLYWHEEL OF CLUTCH UNIT IN VEHICLE

(51) International classification	:F16D0013700000, F16D0013580000, F16D0013750000, F16D0013500000, B60N0002160000	(71)Name of Applicant : 1)Mahindra & Mahindra Limited Address of Applicant :Mahindra & Mahindra Limited, Farm Equipment Sector, Swaraj Division, Phase IV, Industrial Area S.A.S. Nagar (Mohali) Punjab India Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Anil Bhardwaj
(33) Name of priority country	:NA	2)Mandip Singh
(86) International Application No	:NA	3)Lakhvir singh
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus (100) and method (200) for assembling friction plate to flywheel of clutch unit in vehicle are provided. The apparatus (100) includes a shaft (102), at least one resilient means (104), a stopper (106) and a retainer (108). The stopper (106) remains in the neutral position in which a portion (106P) of stopper (106) is not received by a stopper receiving portion (10Rx) and stopper (106) is locked between a clutch cover (10C) and the friction plate (10R) thereby restricting the removal of apparatus (100) from the clutch unit when the friction plate (10R) is reverse assembled onto the flywheel (10F), and the clutch cover (10C) is assembled to the flywheel (10F).



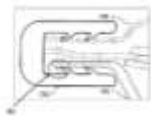
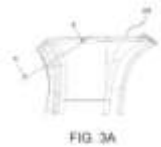
No. of Pages : 16 No. of Claims : 6

(54) Title of the invention : TRIM STRUCTURE

(51) International classification	:B60R0013040000, B60J0005040000, B60R0013020000, B29C0065000000, G11B0005390000	(71) Name of Applicant : 1)MARUTI SUZUKI INDIA LIMITED Address of Applicant :1 Nelson Mandela Road, Vasant Kunj, New Delhi-110070, India. Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)ANKIT NIGAM
(33) Name of priority country	:NA	2)LOKESH KHANDELWAL
(86) International Application No	:NA	3)ARNAB SANDILYA
Filing Date	:NA	4)RAJAT HANDA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described herein is a trim structure (302) for pillars of a vehicle. The trim structure (302) includes a protrusion (304) integrally formed on edge of an external surface of a trim flange, wherein the protrusion (304) is extending away from the external surface of the trim flange so as to lock the trim structure (302) with fastening portions (202) of trim door opening (102).



No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911003944 A

(19) INDIA

(22) Date of filing of Application :31/01/2019

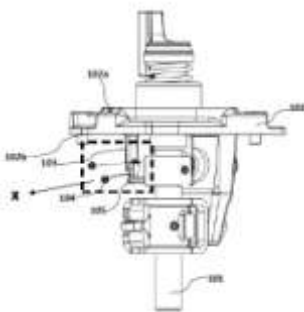
(43) Publication Date : 07/08/2020

(54) Title of the invention : ASSEMBLY FOR INHIBITING SHIFTING OF 5TH TO REVERSE GEAR IN AUTOMATED MANUAL TRANSMISSION (AMT) VEHICLE

(51) International classification	:F16H0063300000, F16H0063200000, F16H0063340000, F16H0061240000, F16H0061180000	(71)Name of Applicant : 1)MARUTI SUZUKI INDIA LIMITED Address of Applicant :1 NELSON MANDELA ROAD, VASANT KUNJ, NEW DELHI-110070, INDIA. Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MUNINDER SINGH
(33) Name of priority country	:NA	2)PRAMOD KUMAR
(86) International Application No	:NA	3)ANKIT RANA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter describes an assembly (100) for inhibiting wrong gear shift operation in AMT vehicle. The assembly (100) comprises a shift shaft (101) having a lever reverse interlock (105) and a case gear shift guide (102) having a hole to receive the shift shaft (101). The assembly (100) further includes a vertical lug (103) extended away from the bottom surface (102b). The vertical lug (103) includes a first pin (103b) and a second pin (103a) project perpendicularly away from the bottom surface (103d) towards the shift shaft (101). Further, a lever reverse (104) pivotally mounted on the first pin (103b), and restricted by circlip. The lever reverse (104) being configured to rotate about the first pin (103b) based on an actuation by the lever reverse interlock (105). The second pin (103a) contacts the lever reverse (104) to restrict movement of the lever reverse (104) by the lever reverse interlock (105) at a stopping position (108) during shifting of the gear from fifth gear to reverse gear.



No. of Pages : 17 No. of Claims : 11

(54) Title of the invention : SYSTEMS AND METHODS FOR INDICATING SERVICE DUE FOR FUEL INJECTORS OF BI-FUEL VEHICLES

(51) International classification :F02D0019060000,
F02D0041000000,
F23R0003340000,
F23R0003360000,
F02M0021020000

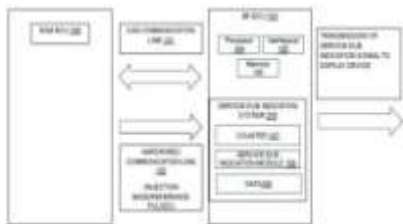
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MARUTI SUZUKI INDIA LIMITED
Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
New Delhi-110070, India Delhi India

(72)**Name of Inventor :**
1)RAJESH DHAUNDIYAL
2)ANIL KUMAR YADAV
3)SANDEEP MANDAL
4)TARUN AGGARWAL

(57) Abstract :

Described herein relates to system for indicating service due of fuel injectors of a bi-fuel (BF) vehicle. The system includes processor (201, 104) coupled to a memory (106, 203) and a service due indication module (108) to count fuel injection pulses (Pi, P2) for a plurality of gaseous fuel injectors and a plurality of liquid fuel injectors and compare counted fuel injection pulses (Pi, P2) with predefined threshold counter values (Thi, TI12). The system (200) transmits a fuel inhibition signal to the plurality of gaseous fuel injectors of a gaseous fuel source when the counted fuel injection pulses (Pi) for the plurality of gaseous fuel injectors exceed above the predefined threshold counter value (Thi).



No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911003946 A

(19) INDIA

(22) Date of filing of Application :31/01/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : GEAR SHIFT INTENTION DETECTION SYSTEM

(51) International classification :F16H0059020000,
B60W0010060000,
F16H0059040000,
F16D0048060000,
F16H0063420000

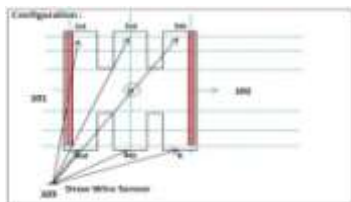
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MARUTI SUZUKI INDIA LIMITED
Address of Applicant :1 NELSON MANDELA ROAD,
VASANT KUNJ, NEW DELHI-110070, INDIA. Delhi India

(72)Name of Inventor :
1)CHHABRIN PARADARSHI SAHOO
2)S SRINIDHI

(57) Abstract :

Described herein relates to system and method for detecting gear shift intention or state of gear shift lever (104). The system (100) comprises a first switch (101), a second switch (102) and a draw wire potentiometer sensor (103) to determine state of gear shift lever. The voltage output from the draw wire potentiometer sensor (103) is used along with signals from switches to detect state of gear shift lever. The state of gear shift lever is used to manage the engine RPM to provide smooth gear shifting.



No. of Pages : 28 No. of Claims : 14

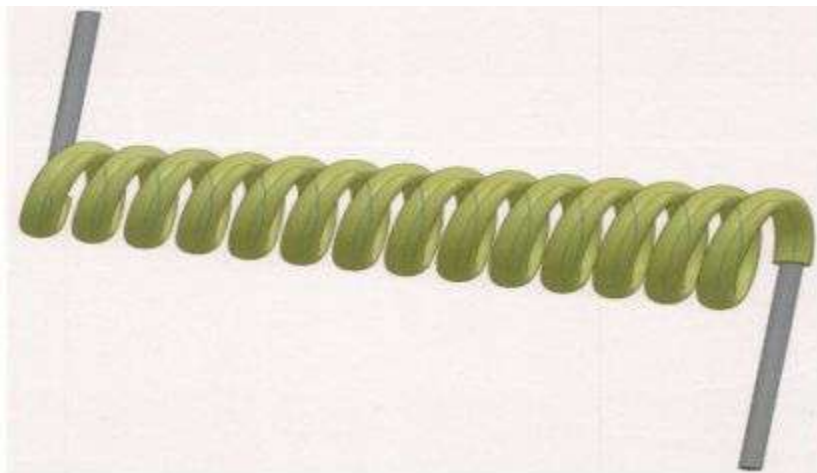
(54) Title of the invention : IMPROVED HEAT EXCHANGER

(51) International classification	:F28F0021080000, F28F0013060000, F28F0003020000, C22C0009060000, C22F0001080000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Herbert Lachendro
 Address of Applicant :P.O.Box 3102, Marrickville Metro,
 NSW 2204 Australia
 (72)**Name of Inventor :**
1)Herbert Lachendro

(57) Abstract :

The present invention combines the advantages of both stainless steel and copper based alloy, such as brass, in a heat exchanger tube by coating a stainless steel heat exchanger tube with copper alloy. When working the heat exchanger, the heat applied from the heat source is distributed all over the surface area of the stainless steel heat exchanger because of the brass coating, thus improving the thermal conductivity of the stainless steel tube while stainless steel provides the advantages of low cost, high strength and high corrosion resistance.



No. of Pages : 10 No. of Claims : 3

(54) Title of the invention : MULTI-PURPOSE CLEANING DEVICE

(51) International classification :A47L0013120000,
A47L0013200000,
A47L0013220000,
F16K0027060000,
A47L0013440000

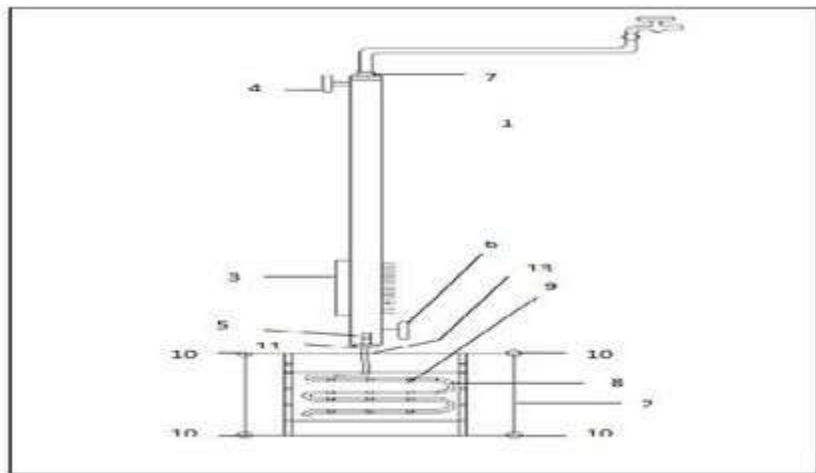
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh University
Address of Applicant :National Highway 95, Chandigarh-
Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India

(72)Name of Inventor :
1)Sukhmanjit Singh
2)Nitin Sharma

(57) Abstract :

The present invention relates to a multi-purpose cleaning device, comprising: a main body 1 mounted on the device with a linker 5 provided at a first end of the main body 1, wherein said linker 5 is connected to plurality of arms, at least one broom 3, one mop 2, and one wiper 15 attached to the linker 5 via first arm 12, second arm 13 and third arm 14 respectively, plurality of knobs attached to the main body 1 for controlling flow of water through the main body 1, and plurality of rotators interconnected between each of mop 2, broom 3 and wiper 15 and their respective arm to enable the rotation of the mop 2, broom 3 and wiper 15.



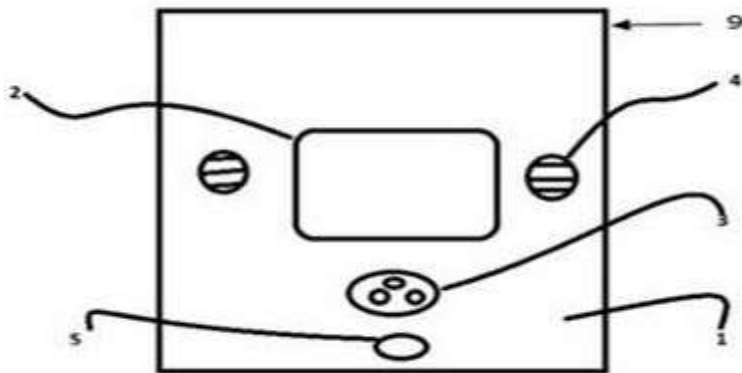
No. of Pages : 12 No. of Claims : 8

(54) Title of the invention : ELECTRIC SHOCK DETECTION DEVICE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number: Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:G08B0013190000, G08B0007060000, F21V0023040000, H05B0033080000, A61B0005110000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India</p> <p>(72)Name of Inventor :</p> <p>1)Mantu Kumar Gupta</p>
---	--	--

(57) Abstract :

The present invention relates to an electric shock detection device 9 for areas susceptible to dangerous electrical hazards consisting of an insulated body 1, a passive infrared detector 2 housed in the body for detecting the motion of a person in that particular area and producing an output signal, a control unit for receiving and processing the signal from the PIR sensor, a warning module 3 coupled to the control unit for generating a visual signal and/or playing a prerecorded audio message indicating the presence of a dangerous condition, and a power module disposed on the body for providing power to the device.



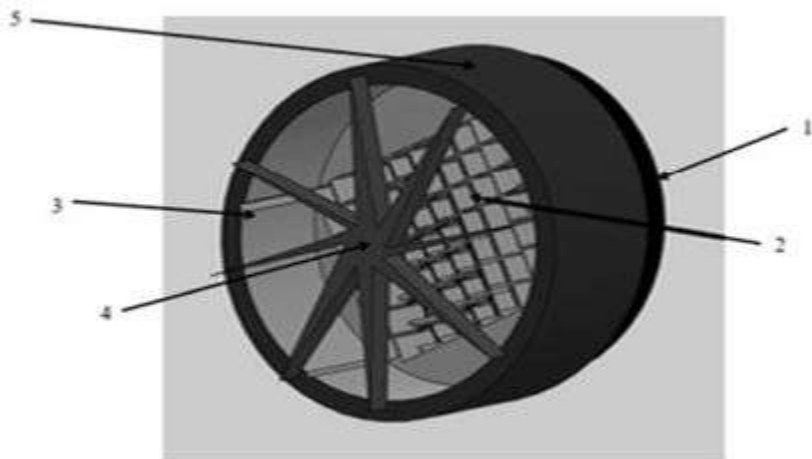
No. of Pages : 12 No. of Claims : 9

(54) Title of the invention : EXHAUST FILTRATION DEVICE FOR GENERATING POWER

(51) International classification	:H05H0001340000, F04D0029600000, F24F0011000000, A47L0005360000, B23K0010000000	(71)Name of Applicant : 1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Harsimran Singh Sodhi
(32) Priority Date	:NA	2)Akash Tiwary
(33) Name of priority country	:NA	3)Aniket
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an exhaust filtration device for power generation, comprising a main body 5, wherein the main body 5 has a front portion and a rear portion, a plasma burner component 1 positioned at the front portion of the body for burning gasses that are emitted from a vehicle, at least one filter 2 connected with said the plasma burner component 1 and located at the front portion for collecting the residue generated by burning the gasses thereby passing the filtered air to the rear portion of the main body, at least one fan 4 positioned at the rear portion, wherein said fan 4 rotates by the filtered air flowing through the body 5 from the front portion to the rear portion and a dynamo associated with the fan for generating energy from the rotational energy of the fan.



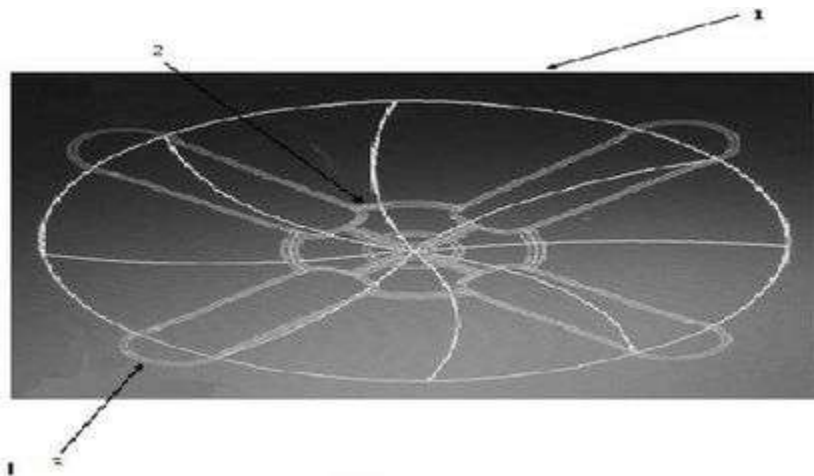
No. of Pages : 13 No. of Claims : 7

(54) Title of the invention : HEATING AND AIR CIRCULATING SYSTEM

(51) International classification	:F24F0011000000, B60H0001220000, B41F0031000000, F02C0007360000, H02K0009060000	(71)Name of Applicant : 1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Deepak Kapoor
(32) Priority Date	:NA	2)Yogendra Narayan
(33) Name of priority country	:NA	3)Paras Chawla
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A heating and air circulation system comprises a fan 1 to air circulation in a surrounding, a heating coil 2, associated with the fan 1, provide heating effects, the fan 1 and heating coil 2 are controlled by a switch board, to achieve height and angle adjustment, a rod 4 mounted on the fan 1, a hydraulic lifter 5 associated with the rod 4 for controlling the height of the fan 1 and extends range of air circulation, an arduino temperature sensor is connected to switch board of the fan 1, which automatically detects the temperature of the surrounding, an arduino, connected to a regulator of the switch board 1 and is used to control the operation of the fan 1, a remote, having a transmitter to transmit the signal to a receiver and is connected to the switch board.



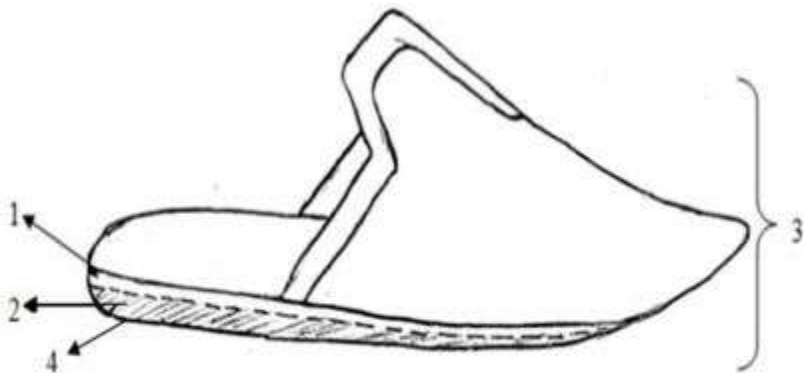
No. of Pages : 14 No. of Claims : 9

(54) Title of the invention : MOISTURE ABSORBING FOOT PAD DEVICE

(51) International classification	:A61F0013420000, A61L0015240000, A43B0017100000, H05K0005020000, A41D0027130000	(71)Name of Applicant : 1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Oshin
(33) Name of priority country	:NA	2)Piyush Bhagat
(86) International Application No	:NA	3)Rishabh Dwivedi
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a foot pad device 3 for absorbing and locking moisture to keep a foot dry. The invention comprises of a top layer of moisture permeable polyethylene film 1, a middle absorbent layer 2 of sodium polyacrylate, and a bottom moisture impermeable layer 4. The moisture permeable layer 1 is porous and allows moisture to reach the underlying absorbent layer 2 but stops dirt particles. The absorbent layer 2 absorbs and retains moisture. The moisture impermeable layer 4 is waterproof and prevents leakage of moisture from the device. The foot pad device 3 placed inside a shoe keeps the moisture locked and prevents discomfort caused by wetness and foot odour.



No. of Pages : 12 No. of Claims : 8

(54) Title of the invention : WASTE WATER UTILIZATION SYSTEM

(51) International classification :E03D0001360000,
E03B0001040000,
E03D0001140000,
E03D0011000000,
F28D0021000000

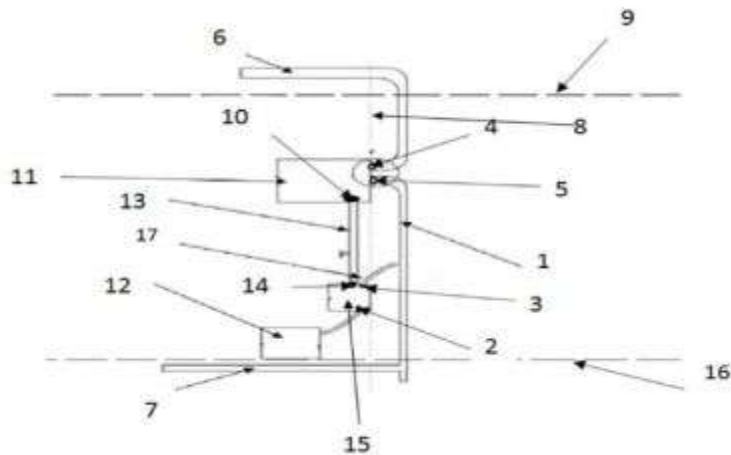
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh University
Address of Applicant :National Highway 95, Chandigarh-
Ludhiana Highway, Mohali, Punjab - 140413, India. Punjab India

(72)Name of Inventor :
1)Raj Aryan
2)Debojit Sharma
3)Yogendra Narayan

(57) Abstract :

The present invention relates to a waste water utilization system in toilet flushing, comprising: a flush tank 15 comprises of an inlet valve 3 to fill the flush tank 15 with fresh water, an outlet valve 2 to flush the toilet and an inlet valve 14 to fill flush tank 15 with the waste water; a main tank 11 to reserve the waste water accumulated from waste water sources in house, wherein an inlet valve 4 to fill the main tank 11 with the waste water, an outlet valve 5 allows the waste water flow out of the main tank 11 in case of overflow, another valve 10 interconnect the main tank 11, flush tank 15 and plurality of pipe to interconnect the valves for flow of water.



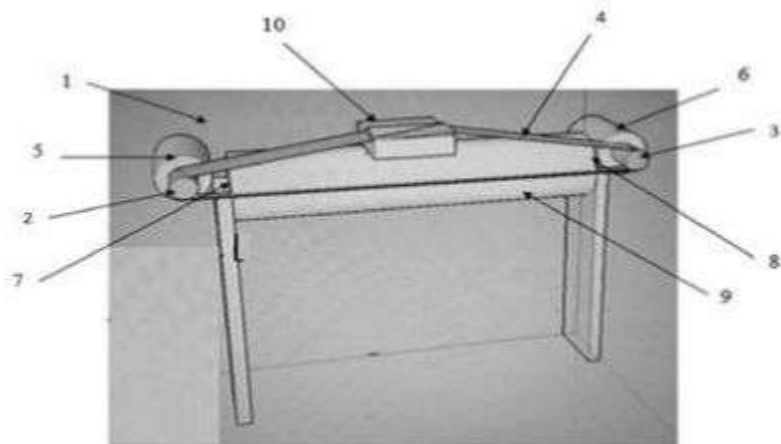
No. of Pages : 11 No. of Claims : 7

(54) Title of the invention : RHEOSTAT CONTROL SYSTEM

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:F21S0010000000, A61B0017072000, G07D0009000000, H05K0013000000, B65G0015640000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Chandigarh University Address of Applicant :National Highway 95, Chandigarh- Ludhiana Highway, Mohali, Punjab 140413, India. Punjab India</p> <p>(72)Name of Inventor :</p> <p>1)Shubham Gupta 2)Abhishek Saini 3)Biplov Ghosh 4)Abhishek Thakur 5)Rishabh Raj 6)Sanamdeep Singh</p>
---	--	---

(57) Abstract :

The present invention is a rheostat control system for saving a user from potential shock and improving the accuracy of operation, comprising of a rheostat assembly 1 including a resistive element 9, a slider 10, a first motor 5 coupled to a first pulley 2 and mounted at a first end 7 and a second motor 6 coupled to a second pulley 3 mounted at a second end 8 of the resistive element 9, a conveyor belt 4 mounted over the pulleys 11,12; a microcontroller coupled to the rheostat assembly 1 for controlling rotation of the motors 5,6; and a user platform for receiving inputs from a user and sending the input signals to the microcontroller. The microcontroller rotates the motor, the rotation of motor rotates the pulleys 2, 3 and moves the conveyor belt 4, and the movement of conveyor belt 4 moves the slider 10, thereby changing the value to resistance.



No. of Pages : 13 No. of Claims : 8

(54) Title of the invention : A CONTINUOUS FLOW MICRO-TOTAL PROCESS SYSTEM FOR PREPARATION OF CELECOXIB AND ANALOGS THEREOF

(51) International classification :C07D231/12
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001, INDIA Delhi India

(72)Name of Inventor :

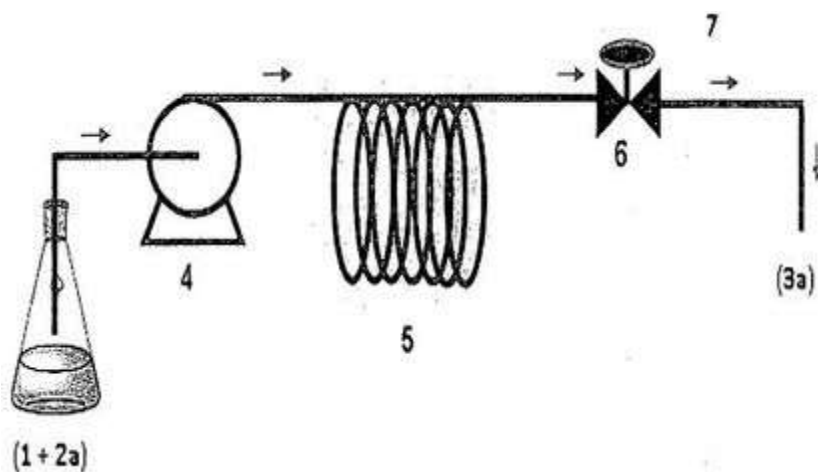
1)SRIHARI PABBARAJA

2)AJAY KUMAR SINGH

3)VINAY KUMAR STHALAM

(57) Abstract :

The present invention relates to preparation of pyrazoles. This invention further relates to a continuous flow micro-total process system for preparation of celecoxib, a COX-2 selective non-steroidal anti-inflammatory drug, and analogs thereof.



No. of Pages : 28 No. of Claims : 10

(54) Title of the invention : INTELLIGENT FOOD DISTRIBUTING SYSTEM AND ITS METHOD THEREOF

(51) International classification :G06Q0050120000,
A47F0010060000,
G08B0015000000,
G07F0017000000,
G07F0011440000

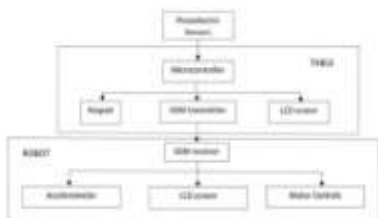
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh Group of Colleges
Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India

(72)Name of Inventor :
1)Gaurav Kumar
2)Surinder Singh
3)Keshav Verma
4)Shubhender Shrivastav

(57) Abstract :

The present invention relates to an intelligent food distributing system for serving plurality of customers, comprising plurality of piezoelectric sensors mounted at the bottom of plurality of chairs for detecting the presence of customers, at least one table connected to the sensor, wherein table encompasses at least one microcontroller, global system for mobile (GSM) transmitter, keypad and a display, at least one automated robot associated with the system, wherein said robot have at least one microcontroller, a global system for mobile (GSM) receiver, a display and an accelerometer for providing service to the customer. The method for food distribution comprising the steps of receiving the information regarding food ordered and the number of chairs equipped, displaying the order to an authorized person, placing the ordered food on the robot, distributing the food and beverages to the customers.



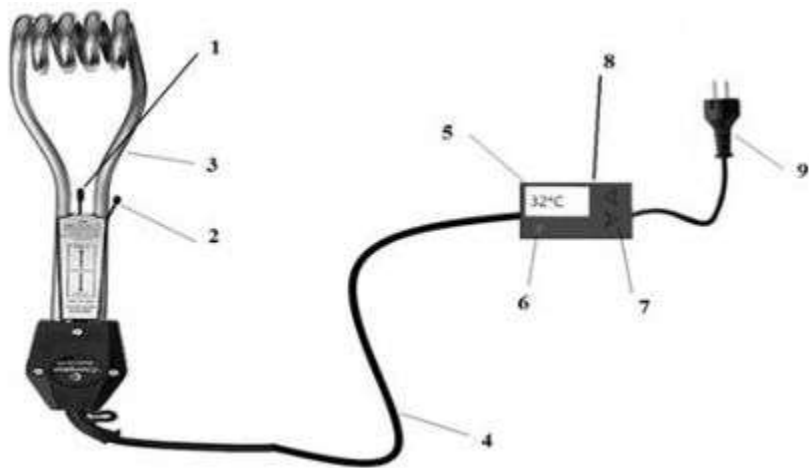
No. of Pages : 11 No. of Claims : 8

(54) Title of the invention : WATER HEATING DEVICE AND A METHOD THEREOF

(51) International classification	:F24D0017000000, F24D0019100000, F24H0009200000, A47J0031560000, F24H0001200000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Landran, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Surinder Singh
(33) Name of priority country	:NA	2)Gaurav Kumar
(86) International Application No	:NA	3)Manmeet Singh
Filing Date	:NA	4)Nupur Biswas
(87) International Publication No	: NA	5)Vishal Verma
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a water heating device, comprising at least two sensors 1, 2 assembled in the device to check the state of water, at least one microcontroller 8 installed in the device to control the sensors, at least one display 5 installed in the device to display temperature and at least one buzzer 6 attached with the device to indicate about the temperature to a user. The method for heating water is operated by setting the temperature by the user indicating on the LCD display 5, checking the temperature of the water by the temperature sensor 2, alerting the user to switch off the device by the buzzer 6 when temperature exceeds its set temperature, maintaining the temperature by the microcontroller 8 which continuously switching on and off the electric supply to rods 3, and checking water purity by water purity sensor.



No. of Pages : 10 No. of Claims : 9

(54) Title of the invention : AUTOMATIC RAILWAY SIGNAL DETECTION SYSTEM

(51) International classification :G08G0001095000,
G06F0003038000,
B60K0035000000,
G06F0008650000,
G08B0025140000

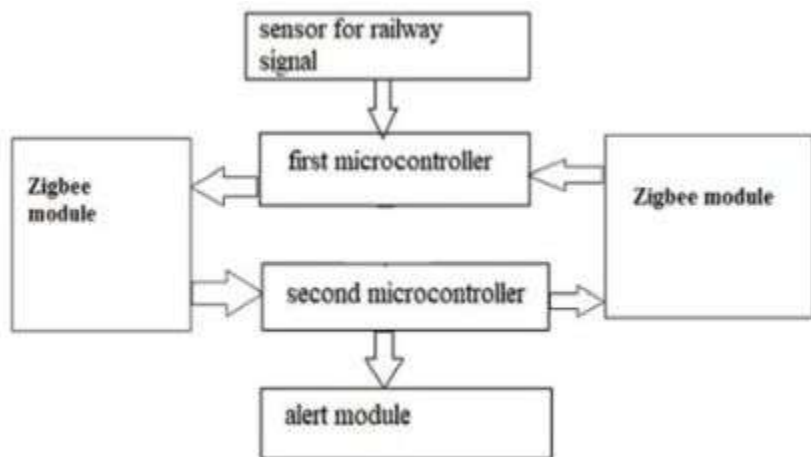
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh Group of Colleges
Address of Applicant :Landran Kharar Banur Highway, Sector
112, Landran, Sahibzada. Ajit Singh Nagar, Mohali, Punjab
140307, India. Punjab India

(72)Name of Inventor :
1)Surinder Singh
2)Gaurav Kumar
3)Krishan kumar
4)Krishna raj
5)Kaustubh Dhasmana
6)Keshav verma
7)Lalit Kumar

(57) Abstract :

The present invention relates to a rail signal detection system, comprising; at least one sensor installed in the system to sense the traffic signal; a first microcontroller coupled to the system, wherein the first microcontroller takes input from the sensor; a zigbee module installed in the system, wherein the zigbee module transmits the information from the first microcontroller; a second microcontroller coupled with the zigbee module, wherein the second microcontroller send the traffic signal to a display screen; and at least one alert module installed in the system to alert the loco pilot.



No. of Pages : 12 No. of Claims : 7

(54) Title of the invention : WIRELESS SYSTEM FOR HALTING VEHICLES

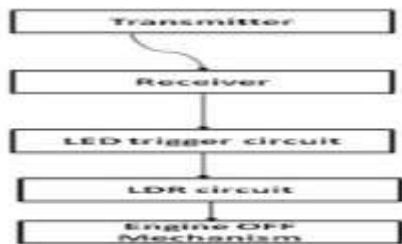
(51) International classification	:H05B0033080000, H01H0009160000, F24C0003120000, B60R0025045000, A63F0003000000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number:	NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Chandigarh Group of Colleges
 Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab -140307, India. Punjab India

(72)**Name of Inventor :**
1)Gaurav Kumar
2)Surinder Singh
3)Shubhender Shrivastav

(57) Abstract :

The present invention relates to a wireless system for halting vehicles, comprising; a transceiver module installed in the system; an ignition module coupled to the system, wherein the ignition module switches ON/Off engine of the vehicle; an indicating module installed in the system to indicate a status of an engine of the vehicle; a electrical circuit is installed in system to provide power supply path to the ignition module; a LED(light emitting diode) connected in the system to complete the power supply path for the ignition module; and at least one LDR(light dependant resister) connected in parallel with the LED, wherein the LDR cut-off the power supply for the ignition module.



No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004144
A

(19) INDIA

(22) Date of filing of Application :01/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : FRICTION ENHANCEMENT SYSTEM FOR VEHICLES

(51)

International :B64D0013080000,F15B0015100000,B65H0069060000,G08B0025000000,B65H0019220000
classification

(31) Priority

Document :NA
No

(32) Priority :NA
Date

(33) Name
of priority :NA
country

(86)

International
Application :NA
No :NA

Filing

Date

(87)

International : NA
Publication
No

(61) Patent
of Addition
to
Application :NA
Number :NA

Filing

Date

(62)

Divisional to
Application :NA
Number :NA

Filing

Date

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran
Kharar Banur Highway, Sector 112,
Landran, Sahibzada Ajit Singh Nagar,
Mohali, Punjab 140307, India. Punjab
India

(72)Name of Inventor :

1)Manjit Singh

2)Sanidhya Jaiswal

(57) Abstract :

The present invention relates to a friction enhancement system for enhancing the friction between tyres and the road, comprising of at least one proximity sensor 4 associated with the system, wherein the sensor detects presence of water on surface of a road; at least one air chamber 2 coupled to the sensor 4, wherein the air chamber 2 contains compressed air that is to be deployed; plurality of pneumatic actuators 3 associated with the sensor 4, wherein the pneumatic actuators 3 initiate deploying of the air; and plurality of nozzles 1 installed with the air chamber 2 at a second position, wherein the air is deployed via the nozzles 1 at a third position.



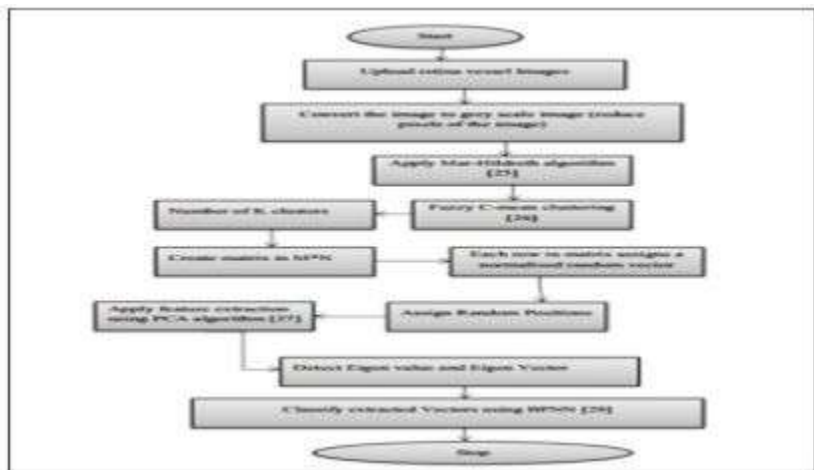
No. of Pages : 11 No. of Claims : 6

(54) Title of the invention : SYSTEM AND METHOD FOR IMAGE SEGMENTATION

<p>(51) International classification :G06K0009000000, G06K0009620000, G06T0007000000, G06K0009520000, G06K0009460000</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India</p> <p>(72)Name of Inventor : 1)Dr. Amit Verma 2)Iqbaldeep Kaur 3)Sumit Kaur</p>
---	---

(57) Abstract :

The present invention relates to a system and method for image segmentation, wherein the system comprises of an edge detection module to locate the boundaries of an object present in an image, a clustering module to cluster the detected edges on the basis of similar/non similar features, a feature extraction module to extract features from the said clusters, a classification module to classify the extracted features and train the system accordingly. The method for image segmentation comprises the steps of uploading the images in the system, transforming the images into gray scale images, detecting edges in the gray scale images, clustering the gray scale images, extracting features from the clusters, classifying the images and training the system on the basis of extracted features.



No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004146 A

(19) INDIA

(22) Date of filing of Application :01/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR IMAGE PROCESSING

(51) International classification	:G06K0009620000, G06K0009460000, G06K0009000000, G06T0005000000, G06T0007000000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr Amit Verma
(33) Name of priority country	:NA	2)Iqbaldeep Kaur
(86) International Application No	:NA	3)Rajeev Sharma
Filing Date	:NA	4)Dr.Gagandeep
(87) International Publication No	: NA	5)Sumit Kaur
(61) Patent of Addition to Application Number	:NA	6)Bikram Pal Kaur
Filing Date	:NA	7)Ranjeeta
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system and method for improving the quality of image, wherein the system comprises of an image pre-processing module to enhance the features present in the image, a feature extraction module for the correct information retrieval from an image, a training module to train the system and segmenting the image on the basis of extracted features. The method for image quality improvement comprises the steps of uploading the images in the system, enhancing features of the images, applying morphological operators, extracting features from the images, training the system and segmenting the images.



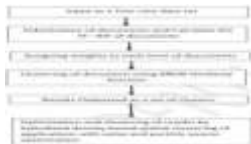
No. of Pages : 19 No. of Claims : 5

(54) Title of the invention : INFORMATION RETRIEVAL SYSTEM AND METHOD

(51) International classification	:G06K0009620000, G06F0016280000, G06Q0010040000, G06F0016350000, G06F0016220000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab-140307, India Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Iqbaldeep Kaur
(33) Name of priority country	:NA	2)Sumit Kaur
(86) International Application No	:NA	3)Dr Amit Verma
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to system and method for information retrieval, comprising a data processing module installed in the system to organize the unstructured data into structured data, a first data clustering module for grouping of data into a set of clusters on the basis of a similarity function, a data optimization module installed in the system, wherein the data optimizing is executed by detecting factors which are close to an optimal solution, wherein the data optimization module also encompasses a second data clustering module to reduce the number of clusters by extracting most relevant clusters from the set of clusters. The method for information retrieval, comprises the steps of converting an unstructured data into a structured dataset by the data processing module, clustering of the structured data into a set of clusters on the basis of similarity function, optimizing the results obtained after clustering of dataset.



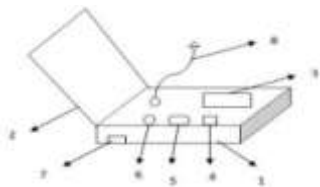
No. of Pages : 11 No. of Claims : 6

(54) Title of the invention : INTELLIGENT CHARGING DEVICE AND A METHOD THEREOF

(51) International classification	:H02J0007000000, G08B0021240000, H01R0013660000, H04M0001725000, H04M0019040000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Dinesh Arora
(33) Name of priority country	:NA	2)Surinder Singh
(86) International Application No	:NA	3)Gaurav Kumar
Filing Date	:NA	4)Dr. Harbinder Singh
(87) International Publication No	: NA	5)Manmeet Singh
(61) Patent of Addition to Application Number	:NA	6)Shreya
Filing Date	:NA	7)Yashasvi Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a mobile charging device, comprising a base unit mounted in said device for charging a phone, atleast one LED (Light emitting diode) 4 mounted in said device to provide visual notification to a user, at least one buzzer 5 mounted in said device to provide audio notification to a user; and atleast one microcontroller 3 mounted in said device to control the notification of LED 4 and buzzer 5. The method for charging the mobile is performed by connecting the phone by a USB cable 8, transmitting a signal to buzzer 5 by microcontroller 3, alerting said user to close the lid by beeping an alarm, transmitting a signal LED 4 by microcontroller 3 and informing said user to disconnect said phone by glowing said LED.



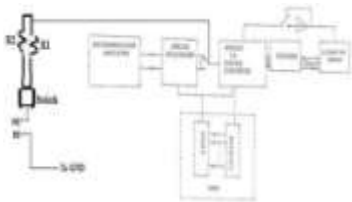
No. of Pages : 12 No. of Claims : 7

(54) Title of the invention : A PROCESS FOR MAKING ALL SOLID-STATE pH SENSOR

(51) International classification	:G01N0027360000, G01N0030640000, G01N0027403000, C04B0041530000, G01N0027280000	(71)Name of Applicant : 1)Prem Chandra Pandey Address of Applicant :N. 14/49 K-2 KRISHNA DEO NAGAR , SARAINANDAN VARANASI UTTAR PRADESH-221010, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Prem Chandra Pandey
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The control and measurement of pH is vital in a wide range of processes across the pharmaceutical, chemical, and food & beverage industries along with one of essential requirement and constitute one of the major requirement of all engineering, medical, biological and chemical science laboratories. The most successful device commercially available is the glass electrode which is based on double barrel configuration and essentially require two reference internal solution one for pH regulation in glass electrode and other for conventional reference electrode. The requirement of these two solution along with difficulty in casting the glass membrane that introduce selectivity in pH sensing has retarded the practical usability in many important system since the system has to be used in upright position are is bulky thus requiring large sample volume. Accordingly, the presence invention is disclosed that avoid the need of internal filling solution and remain in all solid-state configuration with further miniaturization thus making the system most liable for real application in any desired samples. All solid-state pH sensor is developed with a typical Pd/PdO pH electrode with a solid-state reference electrode from Ag/AgCl which is protected with a organically modified silicate thin film containing non-specific ion exchanger and other additive that allow to maintain constant dipolar potential. In addition the as developed electrodes require a dedicated pH/potential measuring electronic device comprising of electrochemical detector comprising all electronic component for potential responses with 3 ½ digit LCD display obtained through multiplesure and analogue and digital converter. The electrochemical detector is made from design of double sided printed circuit board plated through hole for fixing (i) input for pH and reference electrode as per design shown in Figure-1 and 2 (ii) control amplifier, (ii) +ve voltage at the common collector regulator/ Vcc+ regulator, (iii) -ve voltage at the common collector regulator/ Vcc- regulator, (iv) GND= ground (iv) Multiplexer/ Demultiplexer, (v) Programmable timer,(vi) electronic logic gate, (viii) Analog-to-Digital Converters with (viii) LCD driver, (ix)= 3 ½ digit LCD, (x) DPDT sliding switch other electronic switch.



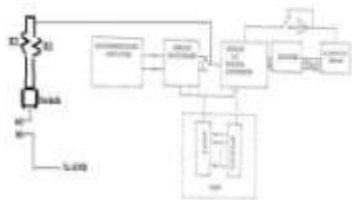
No. of Pages : 18 No. of Claims : 6

(54) Title of the invention : A PROCESS FOR MAKING ALL SOLID-STATE PH SENSOR

(51) International classification	:G01N0027360000, G01N0030640000, G01N0027403000, C04B0041530000, G01N0027280000	(71)Name of Applicant : 1)Prem Chandra Pandey Address of Applicant :N.14/49 K-2 Krishna Deo Nagar, sarainandan Varanasi, Uttar Pradesh-221010, India Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Prem Chandra Pandey
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The control and measurement of pH is vital in a wide range of processes across the pharmaceutical, chemical, and food & beverage industries along with one of essential requirement and constitute one of the major requirement of all engineering, medical, biological and chemical science laboratories. The most successful device commercially available is the glass electrode which is based on double barrel configuration and essentially require two reference internal solution one for pH regulation in glass electrode and other for conventional reference electrode. The requirement of these two solution along with difficulty in casting the glass membrane that introduce selectivity in pH sensing has retarded the practical usability in many important system since the system has to be used in upright position are is bulky thus requiring large sample volume. Accordingly, the presence invention is disclosed that avoid the need of internal filling solution and remain in all solid-state configuration with further miniaturization thus making the system most liable for real application in any desired samples. All solid-state pH sensor is developed with a typical Pd/PdO pH electrode with a solid-state reference electrode from Ag/AgCl which is protected with a organically modified silicate thin film containing non-specific ion exchanger and other additive that allow to maintain constant dipolar potential. In addition the as developed electrodes require a dedicated pH/potential measuring electronic device comprising of electrochemical detector comprising all electronic component for potential responses with 3 ½ digit LCD display obtained through multiplesure and analogue and digital converter. The electrochemical detector is made from design of double sided printed circuit board plated through hole for fixing (i) input for pH and reference electrode as per design shown in Figure-1 and 2 (ii) control amplifier, (ii) +ve voltage at the common collector regulator/ Vcc+ regulator, (iii) -ve voltage at the common collector regulator/ Vcc- regulator, (iv) GND= ground (iv) Multiplexer/ Demultiplexer, (v) Programmable timer,(vi) electronic logic gate, (viii) Analog-to-Digital Converters with (viii) LCD driver, (ix)= 3 ½ digit LCD, (x) DPDT sliding switch other electronic switch.



No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004221 A

(19) INDIA

(22) Date of filing of Application :03/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : A PROCESS FOR MAKING SCREEN PRINTED ELECTRODE DERIVED REFERENCE ELECTRODE FOR CONVENTIONAL ELECTROANALYTICAL APPLICATIONS

(51) International classification	:G01N0027300000, G01N0027403000, G01N0017020000, G01N0027480000, C12Q0001000000	(71)Name of Applicant : 1)Prem Chandra Pandey Address of Applicant :N.14/49 K-2 Krishna Deo Nagar, sarainandan Varanasi, Uttar Pradesh-221010, India Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Prem Chandra Pandey
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The construction of an printed reference electrode through screen printing technology for all electroanalytical application is disclosed. A reference electrode has a known electrode potential and is stable which is achieved by employing the redox system, which must contain saturated concentrations in each of the participating solutions of the reaction. Applications of reference electrodes are numerous, but the most important of all is in the electrochemical cell. This is why its used as a half cell in the electrochemical cell to allow for the determination of the other halves cell potential. They are also used in electrochemical measurements and devices of all electroanalytical measurements. The current disclosure provide a process to make the screen printed Ag/AgCl reference electrode in contact with 3 M KCl saturated with AgCl and electrode-solution interface to separated from test solution via home made frit derived from the nanodispersion of functional alkoxysilane. The fabrication process yield into a commercial formulation of Ag/AgCl reference electrode for all electroanalytical applications and maintain refernceing as shown in following scheme.



No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004247 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : RECYCLABLE AND REWORKABLE EPOXY RESINS

(51) International classification	:C08L0063000000, C08G0059680000, C08G0059320000, C09D0163000000, C08G0059500000	(71)Name of Applicant : 1)ADITYA BIRLA CHEMICALS (THAILAND) LTD. (EPOXY DIVISION) Address of Applicant :888/160-1 16TH FLOOR, MAHATUN PLAZA BUILDING PLOENCHIT RD., KWAENG LUMPINI, KHET PATHUMWAN, 10330 BANGKOK Thailand
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SINGH, CHANDAN KUMAR
(33) Name of priority country	:NA	2)DUBEY, PRADIP KUMAR
(86) International Application No	:NA	3)SRIPET, WEERAWAT
Filing Date	:NA	4)SITTIPUMMONGKOL, KANYARAT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An epoxy resin component(s) for a recyclable epoxy resin system is disclosed. The recyclable epoxy resin system comprises an epoxy resin component having a structural Formula I or an epoxy resin component having a structural Formula II and a curing agent. A process(es) for preparing the epoxy resin component having the structural Formula I and the epoxy resin system having the structural Formula II is also disclosed.

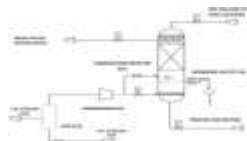
No. of Pages : 101 No. of Claims : 31

(54) Title of the invention : AN APPARATUS AND PROCESS FOR NEUTRALIZATION OF ALKALINE WASTE WATER USING CO2 ENRICHED STREAM

(51) International classification	:B01F0003040000, F28D0021000000, C02F0003020000, C02F0003120000, C01B0003560000	(71)Name of Applicant : 1)Engineers India Limited Address of Applicant :Engineers India Limited, R&D Centre, Sector-16, Gurugram Haryana India 2)GAIL (India) Limited
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)VARTIKA SHUKLA
(33) Name of priority country	:NA	2)SheoRaj Singh
(86) International Application No	:NA	3)Ravi Kant Gupta
Filing Date	:NA	4)Sreevidya R V
(87) International Publication No	: NA	5)Sanjib Paul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an apparatus for efficient and cost-effective neutralization of the alkaline waste water using carbon dioxide enriched stream having impurities like hydrocarbon, amine etc. The apparatus comprises a carbonation reactor having a first section consisting of packing or tray (2) and providing low pressure drop, a second section consisting of gas sparger (1) for bubbling carbon dioxide enriched stream through the pool of waste water and a skimming facility installed across the highest liquid level of pool of waste water at the interface of liquid hydrocarbon and liquid water to remove foam from the system. The present invention also provides a process for efficient and cost-effective neutralization of the alkaline waste water using carbon dioxide enriched stream having impurities like hydrocarbon, amine etc. The process provides the treated waste water at a pH of 7.5 to 8.5 which is required for further biological treatment of waste water.



No. of Pages : 19 No. of Claims : 18

(54) Title of the invention : ORALLY ACTIVE NANOFORMULATION OF LISOFYLLINE AND COMPOSITION THEREOF

(51) International classification	:A61K0047260000, A61K0009510000, A61K0047340000, A61K0031502000, A61K0047100000	(71)Name of Applicant : 1)BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE (BITS), PILANI Address of Applicant :Pilani Campus, Vidya Vihar, Pilani, Rajasthan 333031, India Rajasthan India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Mittal Anupama
(33) Name of priority country	:NA	2)Italiya Kishan Shamjibhai
(86) International Application No	:NA	3)Samrat Mazumdar
Filing Date	:NA	4)Chitkara Deepak
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to oral nanoformulation delivery system for treating Type 1 Diabetes. This nanoformulation comprises Lisofylline linoleic acid (LSF-LA) conjugate and amphiphilic block co-polymer like methoxypoly(ethylene glycol)-b-poly(carbonate-co-L-lactide) (mPEG-b-P(CB-co-LA)). The nanoformulation has higher stability, enhanced oral bioavailability and reduced metabolism compared to free LSF. Also, the formulation shows efficacy at a reduced dose and reduced dosing frequency.



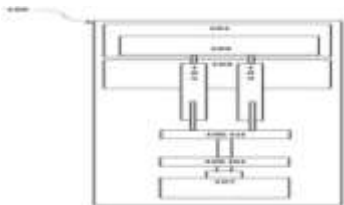
No. of Pages : 41 No. of Claims : 22

(54) Title of the invention : MICROFLUIDICS BASED INTEGRATED SYSTEM FOR NITRITE AND NITRATE DETECTION AND ANALYSIS

(51) International classification	:B01L0003000000, G01N0035100000, G01N0033180000, G01N0001380000, G01N0035000000	(71) Name of Applicant : 1)BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE (BITS), PILANI Address of Applicant :Pilani Campus, Vidya Vihar, Pilani, Rajasthan 333031, India Rajasthan India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dudala Sohan
(33) Name of priority country	:NA	2)Dubey Satish Kumar
(86) International Application No	:NA	3)Goel Sanket
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A testing apparatus for identification and analysis of nitrites and nitrates in a liquid sample and the method therefor is described. The testing apparatus may comprise two or more fluid injection syringe pumps, a microfluidic chip comprising microchannels, and a detection unit. The microfluidic chip comprises two inlets for separate input of a reagent sample and a test sample. A motor unit is coupled with the fluid injection syringe pumps for loading the reagent and test sample in a microfluidic chip. The testing apparatus further comprise a control unit for controlling injection of the fluid sample and detection of amount of nitrites and nitrates in the fluid sample.



No. of Pages : 29 No. of Claims : 17

(54) Title of the invention : PREDICTION AND ESTIMATION OF MOBILITY METRIC FOR RADIO ACCESS NETWORK OPTIMIZATION

(51) International classification :G06Q0030020000,
G06Q0010040000,
G06F0016245000,
H04W0068020000,
H04W0036000000

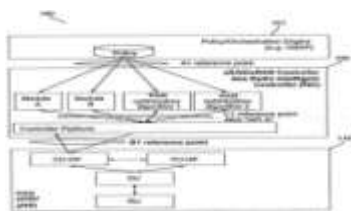
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NOKIA SOLUTIONS AND NETWORKS OY
Address of Applicant :Karaportti 3, FI 02610 Espoo,
FINLAND. Finland

(72)Name of Inventor :
1)KADADI, SHIVANAND
2)BHATTACHARJEE, PARIJAT
3)SINGH, VAIBHAV

(57) Abstract :

Systems, methods, apparatuses, and computer program products for estimating and/or predicting mobility metric(s) for RAN optimization are provided. One method includes receiving a request, from at least one RAN optimization service, to provide an estimate or prediction of a nobility metric for at least one UE or group of UEs or at least one cell. The request may include attributes describing characteristics of the mobility metric. The method may then include communicating with a RAN node, via a controller platform, to request data about the at least one UE or the group of UEs or the at least one cell associated with the request, receiving the requested data about the at least one UE or the group of UEs or the at least one cell associated with the request, and calculating the estimate or the prediction of the mobility metric using the requested data and based on the attributes received in the request from the at least one RAN optimization service.



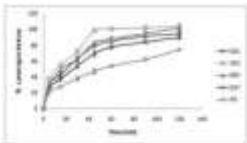
No. of Pages : 47 No. of Claims : 25

(54) Title of the invention : SOLID DISPERSION FORMULATION OF LAMOTRIGINE

(51) International classification	:A61K0031530000, A61K0009140000, A61K0009200000, C07D0253075000, A61K0031424500	(71)Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NAGPAL, Manju
(33) Name of priority country	:NA	2)ARORA, Riya
(86) International Application No	:NA	3)SINGH, Thakur Gurjeet
Filing Date	:NA	4)AGGARWAL, GEETA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates generally to the field of Pharmaceuticals. Particularly, the present disclosure provides solid dispersion formulation of Lamotrigine. Aspects of the present disclosure also relates to a method of preparation of solid dispersion formulation of Lamotrigine. The present disclosure is on a premise that a solid dispersion formulation of Lamotrigine, said formulation comprising Lamotrigine and modified locust bean gum (MLBG) in a weight ratio ranging from 1:1 to 1:7 surprisingly improves the equilibrium solubility of Lamotrigine by about 2.5 times as compared to that of the Lamotrigine. Accordingly, an aspect of the present disclosure provides a solid dispersion formulation of Lamotrigine, said formulation comprising Lamotrigine and modified locust bean gum in a weight ratio ranging from 1:1 to 1:7.



No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004383 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SENTIMENT ANALYSIS BASED SYSTEM AND A METHOD FOR THE SAME

(51) International classification :G06K0009620000,
G06F0017270000,
G06F0016245800,
G05B0013020000,
A61B0005021000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran Kharar Banur Highway, Sector 112, Landran, Sahibzada. Ajit Singh Nagar, Mohali, Punjab - 140307, India Punjab India

(72)Name of Inventor :

1)Dr. Amit Verma

2)Iqbaldeep Kaur

3)Sumit Kaur

(57) Abstract :

The present invention relates to a system for sentiment analysis, comprising; a data processing module installed in the system to process predefined data sets; a feature extraction module installed in the system to extract features from the data sets; a training module to train the system in accordance with the extracted features; a data optimization module associated with the system to eliminate the malicious characteristics present in the data sets; and at least one graphical user interface used for displaying result of analysis. The method for sentiment analysis, comprising the steps of; defining the data sets as positive, negative and neutral; downloading the data sets; uploading the data sets on the system; converting the data sets into binary form; optimizing the size of the matrix of the data sets; training the system with the data sets; and testing the system with the data sets.



No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004384 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR PREVENTION OF VEHICULAR AD-HOC NETWORK FROM JAMMING ATTACK

(51) International classification	:H04L0029060000, H04W0084180000, H04W0040240000, G06F0021550000, H04W0012120000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Punjab -140307 India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr Amit Verma
(33) Name of priority country	:NA	2)Iqbaldeep Kaur
(86) International Application No	:NA	3)Sumit Kaur
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for prevention of vehicular ad-hoc network from jamming attack, comprising the steps of: deploying a finite number of nodes in the network; assigning a fixed bandwidth and data rate to the nodes individually; defining IDS nodes from the nodes, wherein the IDS(Intrusion Detection System) nodes stores the information of the nodes; sending data from a source node to a destination node; assigning a predefined threshold limit to the nodes; comparing the bandwidth with the threshold limit; inspecting a channel with higher data rate then the threshold limit; scrutinising the nodes which are sending control packets, wherein the nodes are malicious nodes; and isolating the malicious nodes.



No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004385 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

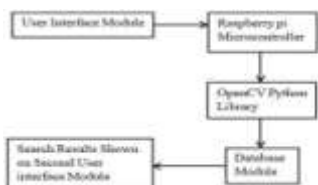
(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM FOR SEARCHING TELEVISION CHANNELS BY NAME

(51) International classification	:G06F0016242000, G06F0016248000, G06F0016680000, G06F0016951000, G05B0019042000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Surinder Singh
(33) Name of priority country	:NA	2)Gaurav Kumar
(86) International Application No	:NA	3)Manmeet Singh
Filing Date	:NA	4)Shreya
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for searching television channels. The system comprises of a database module associated with the system, wherein the database module stores data of the television channels; a searching module interlinked with the database, wherein the searching module searches for the data in the database module; a first user interface module associated with the system, wherein a searching information data is entered using the user interface module; a microcontroller associated with the system, wherein the microcontroller compares the searching information data entered by a user with the data stored in the database module; and a second user interface module interlinked with the microcontroller, wherein the second user interface module provides a visual representation of search results for the search information data.



No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004386 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

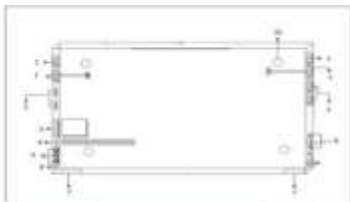
(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTI-FUNCTIONAL LAPTOP TABLE

(51) International classification	:G06F0001160000, H02J0007000000, G06F0001260000, A47B0023040000, H01L0027108000	(71) Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab-140307, India. Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Sonia Jindal
(33) Name of priority country	:NA	2)Pritish Ghosh
(86) International Application No	:NA	3)Pravesh Sharma
Filing Date	:NA	4)Satyajeet Chall
(87) International Publication No	: NA	5)Piyush Garg
(61) Patent of Addition to Application Number	:NA	6)Pankaj Kumar Bhagat
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a multi-functional laptop table, comprising a cooling pad disposed on the table for reducing heat generated from a laptop computer, plurality of USB ports 1 mounted on the table for establishing a connection between the table and the laptop computer and with peripheral devices, memory storage device installed in the table for increasing storage capacity of the laptop, a power bank installed in the table for providing battery backup to the laptop and to the peripheral devices, plurality of speaker 7 mounted on the table and powered by the power bank for reinforcing sound output of the laptop computer, a holder 4 mounted on the table for holding writing equipment used to write notes on the table.



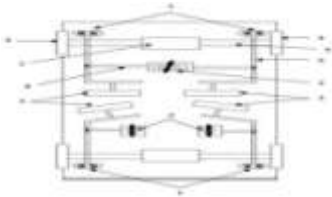
No. of Pages : 10 No. of Claims : 6

(54) Title of the invention : AUTOMATIC WHEEL REPLACING SYSTEM

(51) International classification	:B62D0043040000, B62M0011140000, B62D0043100000, B62D0043000000, A63B0071060000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Landran, Sahibzada Ajit Singh Nagar, Mohali, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Surinder Singh
(33) Name of priority country	:NA	2)Gaurav Kumar
(86) International Application No	:NA	3)Manmeet Singh
Filing Date	:NA	4)Shreya
(87) International Publication No	: NA	5)Zeba Afroz
(61) Patent of Addition to Application Number:	:NA	6)Arshpreet
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention related to system capable of replacing the damaged/punctured wheel of a vehicle with a spare wheel without any physical effort. The system comprises of a microcontroller to control the system; plurality of ultrasonic sensors 1 to detect a defect in a wheel; a visual and/or audible alarming component ; plurality of jacks 2 for lifting the vehicle from ground; at least one spare wheel 3 coupled to a working wheel 4 of said vehicle by means of a connecting rod 5; a first foldable shaft 6 engaged to the working wheel 4, wherein the shaft 6 disengages itself from the working wheel 4 on receiving signal from the microcontroller; and a second foldable shaft 8 engaged to the jack 2 and the connecting rod 5, wherein the shaft 8 rotates to interchange the position of working wheel 4 and spare wheel 3.



No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004391 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : IMAGE PROCESSING SYSTEM AND METHOD TO DETECT CANCER

(51) International classification	:G06T0007000000, G06K0009000000, G06T0007130000, G06T0007120000, G06T0007155000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab-140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Amit Verma
(33) Name of priority country	:NA	2)Iqbaldeep Kaur
(86) International Application No	:NA	3)Sumit Kaur
Filing Date	:NA	4)Gagandeep Jindal
(87) International Publication No	: NA	5)Amandeep Ummat
(61) Patent of Addition to Application Number	:NA	6)Ranjeeta
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system and method for processing microscopic images of blood, wherein the system comprises of a memory storage device used to store the microscopic images, a pre-processing module for transforming the microscopic images to gray scale images and removing noise from the gray scale images, a filtering module to normalize the noise free images, an edge detection module to detect edges from the normalize images, a segmentation module to simplify the detected edges by segmentation, a clustering module to cluster the segmented edges on the basis of nearest mean value, a feature extraction module for extracting features from the cluster, and a classification module for classifying the extracted features and training the system.



No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004392 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

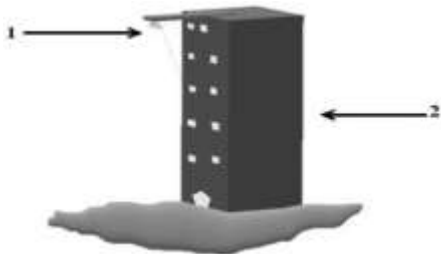
(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM FOR AUTOMATICALLY PROTECTING BUILDINGS FROM AGING

(51) International classification	:H04N0005232000, B25J0009160000, B64C0027000000, G05B0023020000, G05B0017020000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Landran, Sahibzada Ajit Singh Nagar, Mohali, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Surinder Singh
(33) Name of priority country	:NA	2)Gaurav Kumar
(86) International Application No	:NA	3)Manmeet Singh
Filing Date	:NA	4)Zeba Afroz
(87) International Publication No	: NA	5)Arshpreet
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for repairing building structures automatically by continuously monitoring the condition of the building and it comprises of plurality of cameras 1 coupled to a building, wherein the cameras 1 capture pictures of the building; an online library module associated with the system, wherein the module saves pictures of the building; a robot associated with the system, wherein the robot paints the building 2 on receiving commands; and at least one microcontroller coupled to the system, wherein the microcontroller sends commands to the robot to paint the building.



No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004393 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SELF DESTRUCTIVE DEVICE AND A METHOD THEREOF

(51) International classification :H04N0021254000,
G06Q0020340000,
G06Q0020120000,
G06K0019077000,
G09F0027000000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Mohali, Punjab-140307, India.
Punjab India

(72)Name of Inventor :

1)Surinder Singh

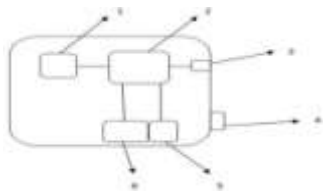
2)Gaurav Kumar

3)Yashasvi Kumar

4)Manmeet Singh

(57) Abstract :

The present invention relates to a self destructible device comprising atleast one camera 1 installed in the device for scanning retina of an authorized person, atleast one microcontroller 2 installed in the device to store information of the camera and a timer, atleast one battery 4 mounted on the device for powering the device, atleast one LCD (liquid crystal display) display 6 embedded in the device to display a message and atleast one memory card 3 attached with the device to store information of the device. The method for destructing device is operated by storing message in the form of text, audio or video, storing information of the retinal scan in the memory card 3, scanning retina of the person to authorize identity of the person, displaying text message on the LCD 6 or listening audio message on speaker 5 and destroying the device automatically after 5 seconds.



No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004394
A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : WEARABLE SECURITY DEVICE

(51)
International :F41B0015000000,F41H0009100000,G08B0015000000,G08B0015020000,F41H0013000000
classification
(31) Priority
Document :NA
No
(32) Priority :NA
Date
(33) Name
of priority :NA
country
(86)
International
Application :NA
No :NA
Filing
Date
(87)
International : NA
Publication
No
(61) Patent
of Addition
to :NA
Application :NA
Number :NA
Filing
Date
(62)
Divisional to
Application :NA
Number :NA
Filing
Date

(71)**Name of Applicant :**
1)Chandigarh Group of Colleges
Address of Applicant :Landran
Kharar Banur Highway, Sector 112,
Sahibzada Ajit Singh Nagar, Mohali,
Punjab -140307, India. Punjab India
(72)**Name of Inventor :**
1)Sonia Jindal
2)Pritish Ghosh
3)Pravesh Sharma
4)Satyajeet chall
5)Sahil kumar
6)Shashank jamwal

(57) Abstract :

The present invention relates to a wearable, multi-sensory, personal safety and tracking device made up of cut resistant material which protects the wearer in case of emergency either at home or outside. In emergency situations, the device triggers electric shock, alert signal, and pepper spray for the safety of the wearer. For keeping a track of the wearer, the device uses a communication module 4 to locate the position of the wearer. In present invention, various technologies are integrated into a single wearable device thereby eliminating the need of carrying multiple devices.



No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004395 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR PROJECT RISK ASSESMENT AND MANAGEMENT

(51) International classification :G06Q0010060000,
G06F0011070000,
G09B0007020000,
G06F0017500000,
G06Q0040080000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Mohali, Punjab -140307, India.
Punjab India

(72)Name of Inventor :

1)Dr Amit Verma

2)Iqbaldeep Kaur

3)Sumit Kaur

(57) Abstract :

The present invention relates to a method for project risk assessment and management using event chains comprising the steps of: identifying plurality of events occurring during a course of plurality of activities, wherein the activities constitute a project, allocating time samples to the activities, traversing the activities in forward direction for computing length of critical path, again traversing the critical path in backward direction, computing criticality value for the critical path, training the project based on the criticality value for classifying the activities as a critical/non-critical activity.



No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004396 A

(19) INDIA

(22) Date of filing of Application :04/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTOMATIC VEHICLE CONTROLLING SYSTEM

(51) International classification :B60K0031000000,
G08G0001010000,
F02D0041260000,
F02D0035020000,
G08B0021180000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab
India

(72)Name of Inventor :

1)Deepika Sood

2)Sukhjinder Kaur

3)Dr. Manish Mahajan

4)Vibhor Bhatnagar

5)Harshit Anand

6)Tushant Garg

7)Manpreet Singh Bajwa

(57) Abstract :

The present invention relates to a system for automatically controlling the vehicles, comprising plurality of wireless nodes (i.e. sensors) installed at the roadsides for detecting a passing vehicle and transferring the information related to speed limits defined by a user, an engine control unit (ECU) for limiting the speed of vehicle according to the information that is received from the sensors, wherein a challan is automatically generated when the information is not received by the engine control unit (ECU) a wireless data transmission module for transmission of information between vehicles, in case there is loss of information between sensors and engine control unit (ECU).



No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004435 A

(19) INDIA

(22) Date of filing of Application :05/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN INTERACTIVE SPIRITUAL BOOK, AN INTERACTIVE DEVICE AND A METHOD OF LEARNING THEREFROM

(51) International classification	:G09B0005060000, C08L0009040000, G09B0007000000, F02D0041240000, B29C0041000000	(71) Name of Applicant : 1)WADHWA, Yogesh Address of Applicant :M-14, South City, Gurugram, Haryana- 122001, INDIA Haryana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)WADHWA, Yogesh
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an interactive spiritual book and a method of learning therefrom. More specifically, an interactive, easy to learn, and advance learning management system.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004480 A

(19) INDIA

(22) Date of filing of Application :05/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : NOVEL REPAGLINIDE COCRYSTALS WITH IMPROVED BIOAVAILABILITY

(51) International classification :C07D295/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001, INDIA Delhi India

(72)Name of Inventor :

1)CHADHA RENU

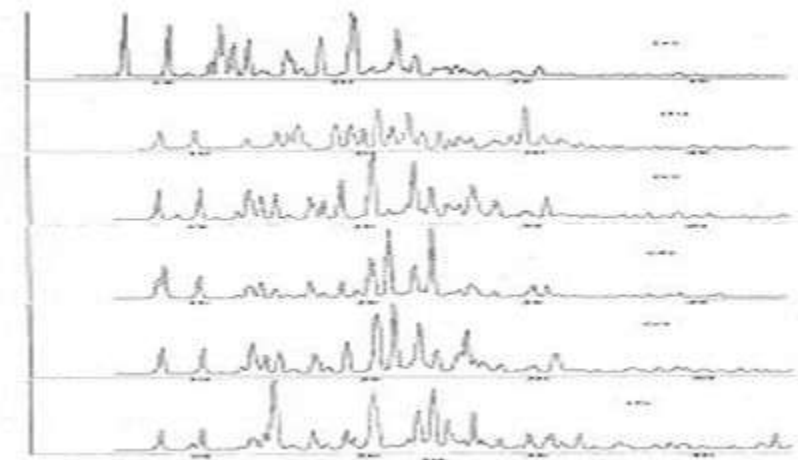
2)RANI DIMPY

3)GOYAL PARNIKA

4)MANOJ KUMAR GAUTAM

(57) Abstract :

The present invention discloses the novel cocrystals of repaglinide with a pharmaceutical acceptable acid or alcohol coformer, which have better equilibrium solubility, intrinsic dissolution rate, improved pharmacodynamic and pharmacokinetic parameters and hence enhanced bioavailability in comparison to pure drug. The green chemistry approach for preparing these cocrystals by grinding repaglinide and coformer using small amount of solvent is disclosed. The disclosure sets out the characterization of these novel cocrystals of repaglinide by various thermal and spectroscopic techniques like PXRD, DSC, FTIR and SSNMR. The crystal structure determination of the cocrystals is also disclosed in the invention. The present invention also includes the measurement of equilibrium solubility, intrinsic dissolution rate, blood plasma glucose level, Cmax and Tmax-.



No. of Pages : 30 No. of Claims : 10

(54) Title of the invention : SMART CHARGING SYSTEM

(51) International classification :H02J0007000000,
H02J0007020000,
B60L0001000000,
H01M0010480000,
H04W0080040000

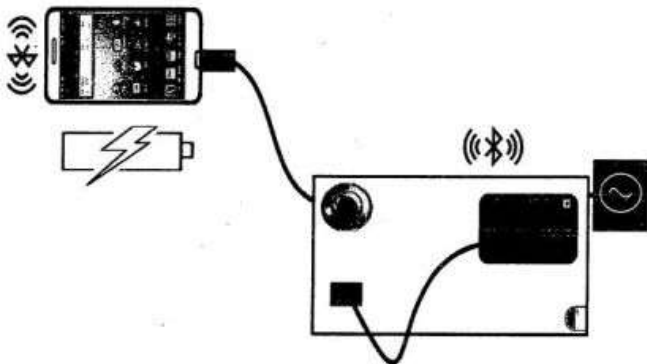
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MR. RITIK RAJPUT
Address of Applicant :EED, RAJKIYA ENGINEERING
COLLEGE, AMBEDKAR NAGAR, U.P. 224122 Uttar Pradesh
India
2)DR. MOHAMMED ASLAM HUSAIN
3)MR. MOHAMMED FARAZ HUSAIN

(72)Name of Inventor :
1)MR. RITIK RAJPUT
2)DR. MOHAMMED ASLAM HUSAIN
3)MR. MOHAMMED FARAZ HUSAIN

(57) Abstract :

A smart charging system that interfaces with the mobile phone battery and its charger; detects the charge level of mobile battery and accordingly disconnects or connects the charger from the main supply as and when desired by the user.



No. of Pages : 14 No. of Claims : 8

(54) Title of the invention : UNIVERSAL HEAT EXCHANGER

(51) International classification :F28D0009000000,
F28F0003020000,
F28D0021000000,
F28F0001400000,
B33Y0080000000

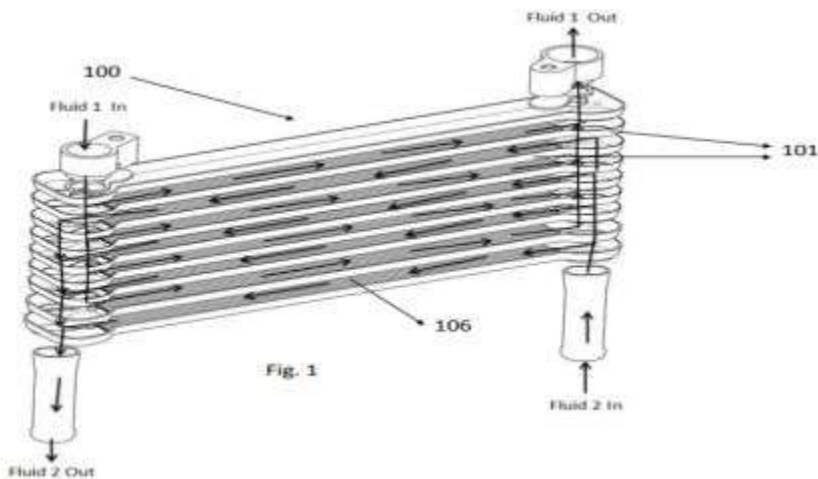
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Pranav Vikas India Pvt Limited
Address of Applicant :Plot No. 45-46. Industrial Area, N.I.T,
Faridabad- 121001, Haryana, India Haryana India

(72)Name of Inventor :
1)Yuji Yamamoto
2)Sanjay Chawla
3)Hemanshu Yadav
4)Poonam Hyanki
5)Vijayaraghavan. S
6)Dakshinamurthy Govindaraj
7)K Srinivas

(57) Abstract :

A heat exchanger (100) having a plurality of plates (101) manufactured preferably but not limiting to the stamping process, the plates has been configured to accommodate the internal fins (106). The plates (101) also define plurality of the passages (102) for flowing at least two fluids. A plurality of conduits (103) fluidly coupled to a first end and second of the end of the plates (101) which allows the flow of the fluids. At least one inlet (104) coupled to a first end, and at least one outlet (105) coupled to the second end of the plurality of plates (101) configured to allow the flow of the fluids wherein each fluid flow in a different direction from the other, a plurality of inner fins (106) disposed on a surface of each of the plurality of plates (101) for increasing the surface to volume ratio of the first and second fluid to achieve pre-defined thermal performance.



No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004555 A

(19) INDIA

(22) Date of filing of Application :05/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITION FOR FOOD SUPPLEMENT

(51) International classification	:A23L0033150000, A61K0031202000, A61K0045060000, A23L0033160000, A23L0033120000	(71)Name of Applicant : 1)SAMRA, Vikas Address of Applicant :#507 Sham Nagar, Ambala Cantt- 133001, Haryana, India. Haryana India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)SAMRA, Vikas
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a composition for food supplement comprising spirulina powder, omega-3 fatty acid, calcium, phosphorus, iron, vitamin C, additional minerals and vitamins, and pharmaceutically acceptable excipients in specified ratios and quantities provided in suitable oral dosage form for desired health benefits. The present disclosure provides the composition for food supplement comprising spirulina powder, omega-3 fatty acid, calcium, phosphorus, iron, vitamin C, and additional minerals and vitamins, and pharmaceutically acceptable excipients, wherein spirulina powder and omega 3 fatty acid are present in a ratio of 1.25:1 to 1.75:1, spirulina powder and calcium are present in a ratio of 3:1 to 4:1, spirulina powder and iron are present in a ratio of 10:1 to 8.75:1, and spirulina powder and vitamin C are present in a ratio of 5:1 to 4:1.

No. of Pages : 18 No. of Claims : 9

(54) Title of the invention : A TEST RIG FOR TESTING A POWER GENERATION OR TRANSMISSION COMPONENT

(51) International classification :G01N0033280000,
E21B0007040000,
F01P0003000000,
F02M0065000000,
G01N0003020000

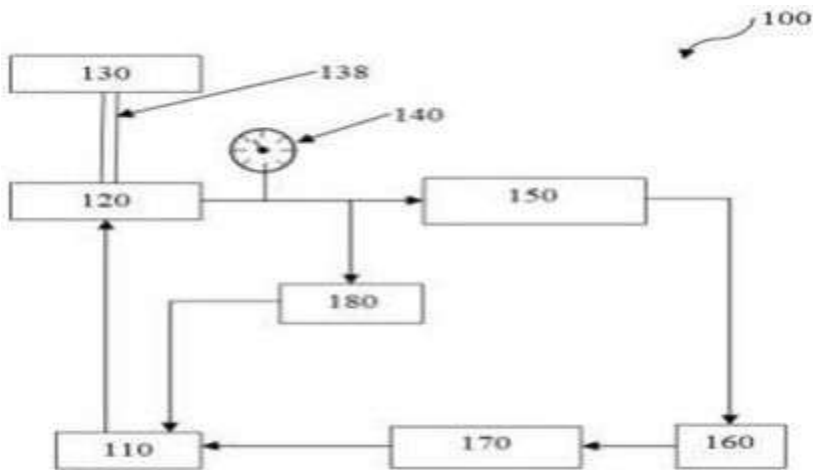
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MAHINDRA AND MAHINDRA LIMITED
Address of Applicant :Farm Equipment Sector, Swaraj
Division, Phase IV, Industrial Area, S.A.S. Nagar (Mohali)-
160055, Punjab, India Punjab India

(72)Name of Inventor :
1)Abhinav Sood
2)Malvinder Singh Tiwana
3)Karunesh Sharma

(57) Abstract :

The present disclosure relates to the field of test rigs. The test rig (100), disclosed in the present disclosure, provides accurate test results. The test rig (100) comprises an oil reservoir (110), a pump (120) in fluid communication with the oil reservoir (110), means (138) to couple the pump (120) to a power generation or transmission component (130) to be tested, and at least one measurement device. The measurement device is in fluid communication with the pump (120), and is configured to measure a dynamic fluid property of oil delivered by the pump (120) to compute the performance of the component (130). The test rig (100) further comprises a heat exchanger (160) in fluid communication with the pump (120), and configured to reduce temperature of oil fed to the pump (120).



No. of Pages : 18 No. of Claims : 10

(54) Title of the invention : A REGENERATIVE TEST RIG FOR TESTING A POWER GENERATION OR TRANSMISSION COMPONENT

(51) International classification :B67D0001080000,
A61M0005440000,
F28F0009020000,
F01P0011080000,
F25B0041000000

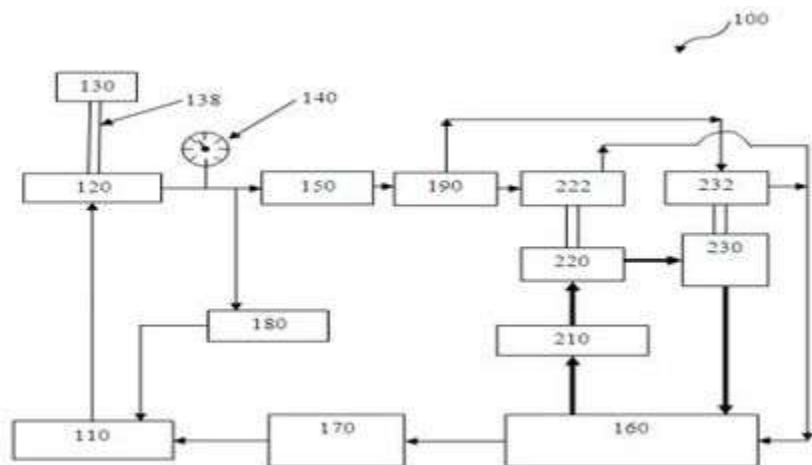
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MAHINDRA AND MAHINDRA LIMITED
Address of Applicant :Farm Equipment Sector, Swaraj
Division, Phase IV, Industrial Area, S.A.S. Nagar (Mohali)-
160055, Punjab, India Punjab India

(72)Name of Inventor :
1)Abhinav Sood
2)Malvinder Singh Tiwana
3)Karunesh Sharma

(57) Abstract :

The present disclosure relates to the field of test rigs. A regenerative test rig (100), of the present disclosure, eliminates need of an external power source, has reduced footprint as compared to conventional test rigs, and is portable. The test rig (100) comprises a first pump (120) coupled to a component (130) to be tested, a heat exchanger (160) to reduce temperature of oil delivered by the first pump (120), a second pump (220), and a cooler (230). The second pump (220) and the cooler (230) are used to recirculate a fluid and to cool the fluid respectively. The fluid is used to cool the oil in the heat exchanger (160). The second pump (220) and the cooler (230) are operated using hydraulic power.



No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004678 A

(19) INDIA

(22) Date of filing of Application :06/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : A GROWTH MEDIUM FOR PIRIFORMOSPORA INDICA (SERENDIPITA INDICA) USING WASTE FROM EDIBLE MUSHROOM AND METHOD THEREOF

(51) International classification

:C05G3/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)AMITY UNIVERSITY

Address of Applicant :AMITY UNIVERSITY CAMPUS,
SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
Pradesh India

(72)Name of Inventor :

1)AJIT VARMA

2)SONALI

3)JERRIN JOSE

4)SUPRIYA MEHTA

(57) Abstract :

The present invention relates to a novel and cost effective growth medium for Piriformospora indica (Serendipita indica) using waste from edible mushroom. Mushroom waste obtained from quality testing, culinary industries and from grocery stores waste are used as a growth medium for Piriformospora indica (Serendipita indica) as its gills are often left on in preparations. Button mushrooms are fairly rich in vitamins and minerals. The mushroom contains an especially high amount of vitamin B and potassium. Raw mushrooms are naturally cholesterol, fat, and sodium free all of which can help in the growth of Piriformospora indica (Serendipita indica).



No. of Pages : 13 No. of Claims : 3

(54) Title of the invention : BENZOTHIA(DIA)ZEPINE COMPOUNDS AND THEIR USE AS BILE ACID MODULATORS

(51) International classification	:A61K0031554000, C07D0417120000, A61K0009280000, A61K0009200000, A61K0031575000	(71) Name of Applicant : 1)Albireo AB Address of Applicant :Arvid Wallgrens backe 20, 413 46 Gteborg (SE) Sweden
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)GILLBERG, Per-Gran
(33) Name of priority country	:NA	2)MATTSSON, Jan
(86) International Application No	:NA	3)STARKE, Ingemar
Filing Date	:NA	4)KULKARNI, Santosh S.
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to benzothia(dia)zepine derivatives of formula (I). These compounds are bile acid modulators having ileal bile acid transport (IBAT) and/or liver bile acid transport (LBAT) inhibitory activity. The invention also relates to pharmaceutical compositions comprising these compounds and to the use of these compounds in the treatment of fatty acid metabolism and glucose utilization disorders, gastrointestinal disorders and liver diseases.

No. of Pages : 51 No. of Claims : 14

(54) Title of the invention : A RACK AND PINION HOUSING STRUCTURE

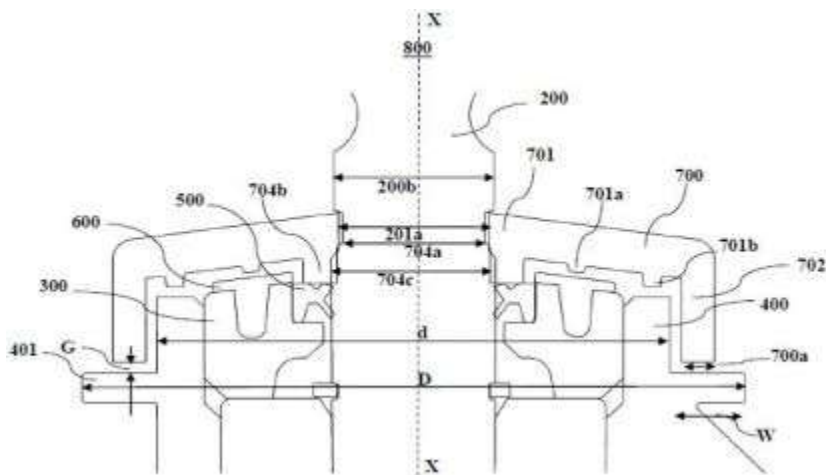
(51) International classification :B62D0003120000,
F02N0015060000,
F16H0048400000,
B62D0005220000,
F16H0057020000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MARUTI SUZUKI INDIA LIMITED
Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
New Delhi-110070, India. Delhi India
(72)Name of Inventor :
1)ANGSHUMAN BHATTACHARJEE
2)PIYUSH JAIN

(57) Abstract :

The present subject matter disclosed herein relates to a rack and pinion housing structure (800). The rack and pinion housing structure (800) includes a pinion input shaft (200), a pinion cover (300), a pinion housing (400), an oil seal (500), rubber plugs (600), and a dust cover (700). The pinion housing (400) receives the pinion input shaft (200) together with the pinion cover (300) and the oil seal (500) provided in between the pinion input shaft (200) and the pinion cover (300). The pinion housing (400) further includes a rib structure (401) diametrically extending from the pinion housing (400) in between a lower end (400b) and a top end (400a) of the pinion housing (400). The dust cover (700) is provided over the pinion housing (400) to restrict entry of water jet with dust particles in the pinion housing (400).



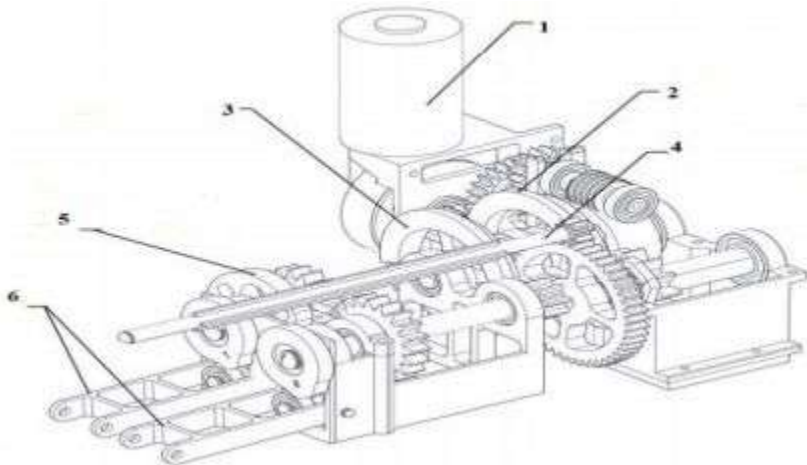
No. of Pages : 24 No. of Claims : 14

(54) Title of the invention : A GEAR BOX FOR AUTOMATIC CHAPATTI MACHINE

(51) International classification	:B05C0005020000, A22C0017000000, B05B0003040000, G09F0011100000, F16H0061462000	(71)Name of Applicant : 1)KIRTI MEHTA Address of Applicant :1010, Sector C-1, Vasant Kunj, New Delhi - 110070 Delhi India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)KIRTI MEHTA
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A gear box for an automatic chapatti machine provides three different output speeds along with four intermittent movements comprises of a gear drive (1) connected to a dc motor, a gear drive (2) connected to a conveyor shaft (4) and a gear drive (3) connected to a pressing cam (5) of the chapatti machine; and a plurality of livers (6) such that the said gear box reduces the speed of the dc motor of the chapatti machine through the gear drive (1) from 4000 rpm to 2 rpm, gear drive (2) provides intermittent movement to the conveyor shaft (4) at speed of 16 rpm, and the gear drive (3) provides intermittent rotation to the pressing cam (5) at 8 rpm.



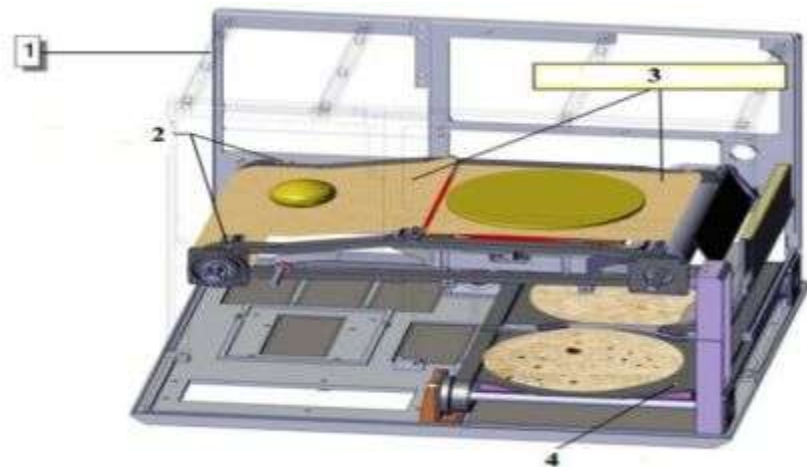
No. of Pages : 14 No. of Claims : 6

(54) Title of the invention : A CLOTH CONVEYOR BASED CHAPATI MAKING MACHINE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:A47J0037060000, B25B0027220000, B65G0017380000, B65G0017000000, B31B0070000000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)KIRTI MEHTA</p> <p style="padding-left: 20px;">Address of Applicant :1010, Sector C-1, Vasant Kunj, New Delhi - 110070 Delhi India</p> <p>(72)Name of Inventor :</p> <p>1)KIRTI MEHTA</p>
---	--	---

(57) Abstract :

A cloth conveyor based chapati making machine (1) for home kitchen to produce two chapatis per minute comprising of a set conveyor chains (2), a cloth conveyor (3) using Teflon cloth pieces wrapped over a rod instead of conventional Teflon belt, a station to hold two hot plates for baking chapati (4), a chain link provisioned with a hole (5), a chain link comprising of a bolt (6) and a pin (8) which is guided on one end by the chain link with the hole (5) and is fixed to another link on other side by the nut (7) convenient to user for changing the cloth pieces.



No. of Pages : 22 No. of Claims : 5

(54) Title of the invention : DOUGH KNEADING MECHANISM FOR AN AUTOMATIC CHAPATTI MACHINE FOR HOME

(51) International classification	:A21C0001140000, A21B0007000000, A21C0001020000, B01F0011000000, A21C0001060000	(71) Name of Applicant : 1)KIRTI MEHTA Address of Applicant :1010, Sector C-1, Vasant Kunj, New Delhi - 110070 Delhi India
(31) Priority Document No	:NA	(72) Name of Inventor : 1)KIRTI MEHTA
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an apparatus of chapatti making machine which includes a mixture cup (01), a mixture drive body (02), atleast two bearings, a gear body (10), and a kneading mechanism. This kneading mechanism includes mixing of flour (25) and water in the mixing cup when mixing legs pass through a piston (17) which rotates clockwise to move upwards and after kneading, the piston (17) stops and rotates in anticlockwise hence piston (17) tends to go down to press the dough (26) and form a chiplet.



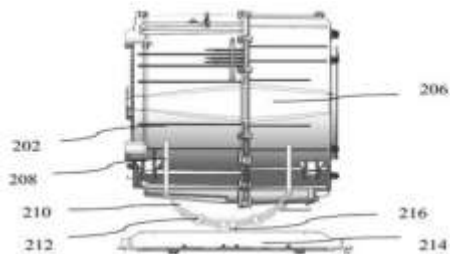
No. of Pages : 28 No. of Claims : 11

(54) Title of the invention : NEW SUSPENSION FOR FRONT LOAD WASHING MACHINE

(51) International classification	:F16F0001180000, B60G0011020000, F16F0001260000, F16F0001220000, B29C0033380000	(71) Name of Applicant : 1)LG ELECTRONICS INC. Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea Republic of Korea
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)AGGARWAL SANYAM
(33) Name of priority country	:NA	2)NAGARAJ GAUTAM
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A semi-elliptic leaf spring(100) for absorbing vibration in front load washing machine comprising a master leaf (102) for sharing the load, an eye (104) for attaching the spring with another machine member ,a central clamp (106) for holding the leaves of the spring ,a graduated leaves (108) for sharing the load and a rebound clip (110) for sharing the load from master leaf to the graduated leaf in which a master leaf (102), an eye (104), a central clamp (106), a graduated leaf (108) and a rebound clip (110) are in mechanical communication with each other and is placed in between the outer tub (202) and the cabinet (204) so that each leaf carries a proportional amount of load and is stressed equally.



No. of Pages : 21 No. of Claims : 16

(54) Title of the invention : A SYSTEM AND METHOD FOR THROUGH WALL IMAGING

(51) International classification :G01S0013880000,
H04B0007080000,
H01Q0003080000,
G01N0022000000,
H01Q0001520000

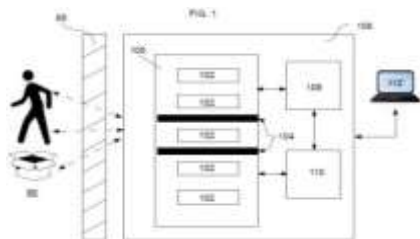
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Indian Institute of Technology Roorkee
Address of Applicant :Roorkee - Haridwar Highway, Roorkee
- 247667, Uttarakhand, India. Uttarakhand India

(72)Name of Inventor :
1)SINGH, Dharmendra
2)KUMAR, Bambam
3)PUTHUCHERI, Smitha

(57) Abstract :

An antenna array (100) for through wall imaging includes a plurality of antennas (102) configured to transmit and receive a plurality of signals to and from, respectively, a plurality of targets (90) across an obstruction (95); and a plurality of interference restricting elements (104) interposed between the plurality of antennas (102), wherein the plurality of interference restricting elements (104) are configured to reduce interference of the plurality of signals among the plurality of antennas (102) based upon microwave absorption. An imaging device (106) for through wall imaging includes the antenna array (100); a transceiver unit (108) communicably coupled to the antenna array (100); and a control unit (110) communicably coupled to the antenna array (100) and the transceiver unit (108). The imaging device (106) is communicably coupled to a through wall imaging system (112) configured for reconstructing a scene based upon identification of the targets (90) behind the obstruction (95).



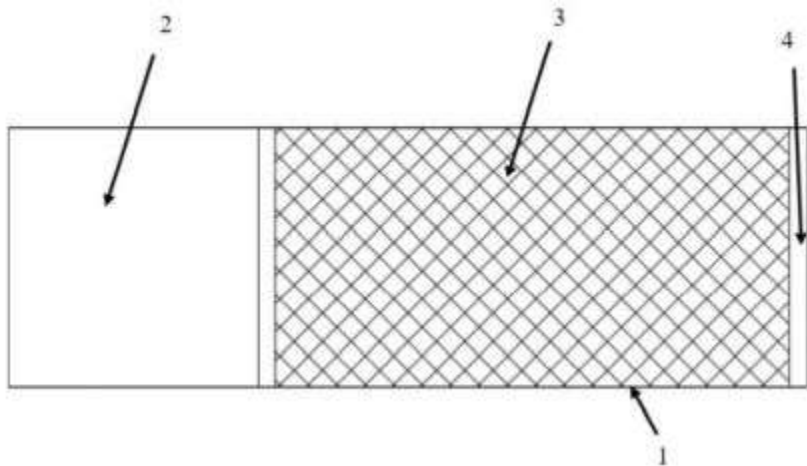
No. of Pages : 26 No. of Claims : 10

(54) Title of the invention : PORTABLE POWER GENERATING DEVICE

(51) International classification	:A63B0021060000, G06F0001160000, A63B0023035000, A63B0021000000, H02K0001170000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab -140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Gaurav Kumar
(33) Name of priority country	:NA	2)Surinder Singh
(86) International Application No	:NA	3)Muskan Singla
Filing Date	:NA	4)Ketan Monga
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a portable power generating device, comprising a first housing 3, a second housing 2 and a third housing 8 connected with each other, wherein the first housing 3 comprises of a holder for gripping an object, wherein the object is moved by a user for performing a desired task by the object, springs 10 for forcing the object in downward direction, the second housing 2 comprising at least one cylindrical rod 14 on which at least one cylindrical magnet 13 is placed, wherein the cylindrical magnet 13 is associated with a metallic frame 15 and moves in association with the metallic frame and cylindrical rod to produce an electric charge, a third housing 8 comprising at least one amplifier to boost the strength of the electric charge and at least one capacitor 7 attached with a small battery for storing the electric charge.



No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911004792 A

(19) INDIA

(22) Date of filing of Application :06/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR EFFICIENT UTILIZATION OF STORAGE SPACE

(51) International classification :G06Q0050280000,
G06F0021600000,
G09C0001000000,
G06F0016174000,
G06F0016710000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Chandigarh Group of Colleges

Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Mohali, Punjab - 140307, India.
Punjab India

(72)Name of Inventor :

1)Dr Amit Verma

2)Iqbaldeep Kaur

3)Sumit Kaur

(57) Abstract :

The present invention relates to a system and method for efficient utilization of storage space. The system comprises a processing device installed in the system. The processing device is associated with a storage device and graphical user interface (GUI) and removes duplicate data from the data stored on the storage device. The method comprises the steps of extracting bytes from the data, generating hashes using genetically modified secured hashing algorithm (SHA3), assigning hashes to the extracted bytes, and removing the bytes with same hashes.



No. of Pages : 12 No. of Claims : 6

(54) Title of the invention : METHOD FOR BALANCING DATA PACKET LOAD ALLOCATED TO VIRTUAL MACHINES

(51) International classification :G06F0009455000,
G06F0009500000,
H04W0028180000,
H04W0056000000,
H04L0029080000

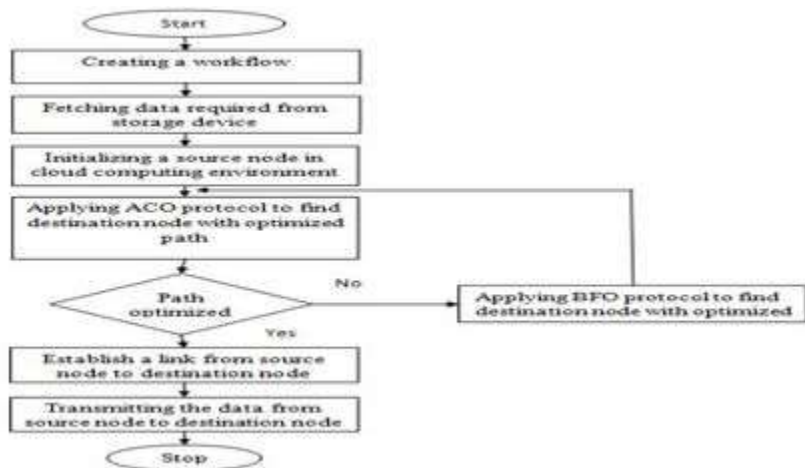
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh Group of Colleges
Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Punjab - 140307, India. Punjab
India

(72)Name of Inventor :
1)Dr Amit Verma
2)Iqbaldeep Kaur
3)Sumit Kaur

(57) Abstract :

The present invention relates to a method for balancing data packet load allocated to virtual machines (VMs) in cloud computing environment. The method comprises the steps of selecting at least one VM for transmitting data packet(s) in cloud environment, and selecting a VM for receiving the transmitted data packet(s) with lowest data transmission cost from the transmitting VM to the receiving VM using ant colony optimization (ACO) and bacterial foraging optimization (BFO) protocol.



No. of Pages : 11 No. of Claims : 8

(54) Title of the invention : SYSTEM FOR ESTABLISHING SECURED DATA COMMUNICATION NETWORK

(51) International classification :H04L0029060000,
H04L0009080000,
G06F0021600000,
H04L0009320000,
G06F0021120000

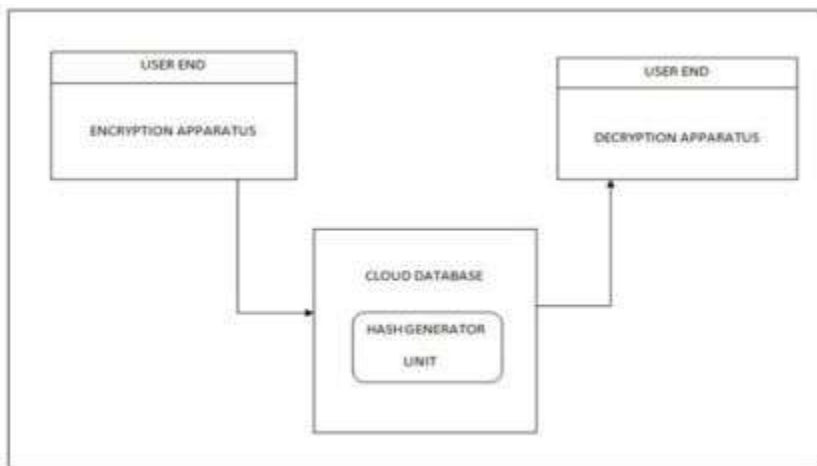
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chandigarh Group of Colleges
Address of Applicant :Landran Kharar Banur Highway, Sector
112, Sahibzada Ajit Singh Nagar, Mohali, Punjab 140307, India.
Punjab India

(72)Name of Inventor :
1)Dr Amit Verma
2)Iqbaldeep Kaur
3)Sumit Kaur
4)Vikas Dhawan
5)Amandeep Ummat
6)Ranjeeta

(57) Abstract :

The present invention relates to a system and method for establishing a secured data communication network. The system comprises of an encryption apparatus installed in the system for converting a user data to a cipher data, a hash generator unit associated with the encryption apparatus for generating a hash value for storing the cipher data in a cloud database, and a decryption apparatus associated with the hash generator unit for converting the cipher data back to the user data.



No. of Pages : 13 No. of Claims : 6

(54) Title of the invention : FLEXIBLE ROBOTIC ARM DEVICE AND ITS METHOD THEREOF

(51) International classification	:B65G0047900000, B25J0005020000, B25J0009000000, B25J0015020000, B25J0011000000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab-140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Rajesh Sharma
(33) Name of priority country	:NA	2)Sachin Shrivastav
(86) International Application No	:NA	3)Pawan Srivastav
Filing Date	:NA	4)Aman Kumar Verma
(87) International Publication No	: NA	5)Badal Khatta
(61) Patent of Addition to Application Number:	:NA	6)Nikhil Ahuja
Filing Date	:NA	7)Abhishek Singh
(62) Divisional to Application Number	:NA	8)Akhil Rana
Filing Date	:NA	9)Abhishek
		10)Vishal Kumar

(57) Abstract :

The present invention relates to a robotic arm device, comprising a housing 1 open from at least one side, a base plate 2 attached with the housing 1, at least two jaws 19, 20 for holding an object at a predefined pressure, arms 6, 7, 11, 18 connected with each other for performing deploying the device, at least one camera 15 for monitoring the operations performed by the device, at least one sensor 16 for detecting the positional configuration of the device, motors for driving the arms in a pre-defined direction. The method for operating the device comprises the steps of supplying power to the device, rotating the first arm 6 in an anticlockwise direction and transferring the motion to the second arm 7, tilting a space robot in a pre-defined direction, pan controlling of the space robot, opening/closing jaws 19, 20 for holding/releasing an object.



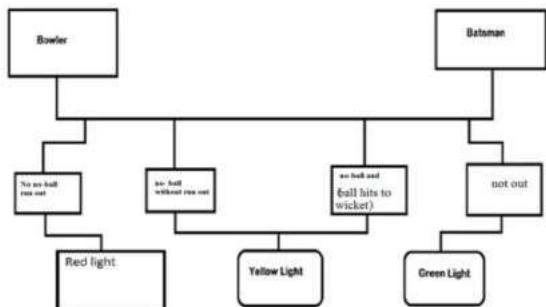
No. of Pages : 14 No. of Claims : 10

(54) Title of the invention : AUTOMATED CRICKET MONITORING SYSTEM

(51) International classification	:A63B0069000000, A63B0071060000, G01S0015930000, H04R0017000000, G01S0015020000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Sahibzada Ajit Singh Nagar, Mohali, Punjab -140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Kanav Sharma
(33) Name of priority country	:NA	2)Kritika Kumari
(86) International Application No	:NA	3)Kritika Kaushik
Filing Date	:NA	4)Dapinder Kaur
(87) International Publication No	: NA	5)Dr. Manish Mahajan
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to automated cricket monitoring system, comprising: plurality of sticks mounted on a cricket pitch on a first side and a second side; a transceiver module based on ultrasonic sensor installed in the sticks; plurality of piezoelectric sensors coupled to the sticks to detect any impact on said sticks; a control module associated to the sticks to calculates the distance between a bowler and the sticks; plurality of LEDs are configured as a visual indicator on detection of impact by said piezoelectric sensors; a display module connected to the control module to displays three colours based on command provided by the control module; and at least one battery connected to the system to provide power to the sensors, transceiver module and control module.



No. of Pages : 11 No. of Claims : 9

(54) Title of the invention : AUTOMATED CROP MONITORING SYSTEM

(51) International classification :H04N0007180000,
G06K0009000000,
G06K0009200000,
H04Q0009000000,
G08C0017020000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

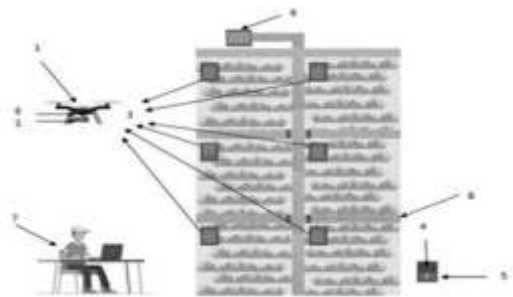
1)Chandigarh Group of CollegesAddress of Applicant :Landran Kharar Banur Highway, Sector
112, Landran, Sahibzada Ajit Singh Nagar, Punjab 140307, India.
Punjab India

(72)Name of Inventor :

1)Dr. Parveen singla**2)Dr. Sukhdeep kaur****3)Pankaj Kumar Bhagat****4)Piyush Garg****5)Anshuman****6)Ankit Kumar****7)Rohini Atri**

(57) Abstract :

The present invention relates to an automated system for remotely monitoring the agricultural field for precision agriculture. The system comprises of detectors 3 installed at various position(s) in an agricultural field(s) for sensing soil and water parameters and generating an indicative data, a control unit 5 connected to the detectors 3 for receiving the data and processing it, and an unmanned aerial vehicle 1 including a camera 2 for capturing still images or for recording moving images of the field and a raspberry pi module 6 for collecting the data in real time from the control unit and uploading it to a server for a user 7 to access the data and remotely monitor the agricultural field.



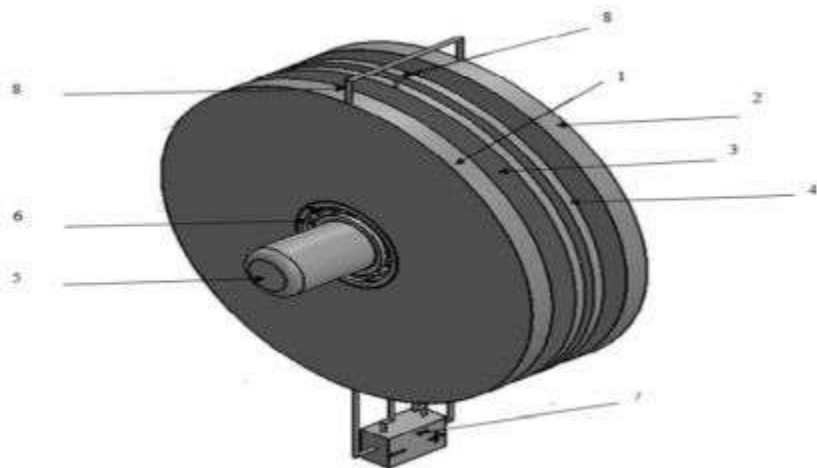
No. of Pages : 12 No. of Claims : 8

(54) Title of the invention : ELECTROMAGNETIC BRAKING DEVICE

(51) International classification	:B60G0009020000, F03B0013260000, G01N0033340000, G01R0029080000, F16D0059020000	(71)Name of Applicant : 1)Chandigarh Group of Colleges Address of Applicant :Landran Kharar Banur Highway, Sector 112, Landran, Sahibzada Ajit Singh Nagar, Mohali, Punjab 140307, India. Punjab India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Rajesh Sharma
(33) Name of priority country	:NA	2)Dr. Mukesh kumar
(86) International Application No	:NA	3)Pankaj Puri
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an electromagnetic braking device comprising of a rotary axle 5, a pair of stationary plates 1, 2 is attached at the ends of axle 5 and a pair of rotatory plates 3, 4 is placed between the stationary plates 1, 2, a battery 7 is used for supplying electricity for generation electromagnetic field in the plates 1, 2, 3, 4. The induction of same polarity between rotatory plate 3 and stationary plate develops a force of repulsion between the plates and stops the rotational movement of the axle 5.



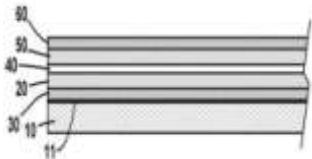
No. of Pages : 12 No. of Claims : 8

(54) Title of the invention : IMPROVED COMPOSITE TRANSPARENT TOUCH PANEL

(51) International classification	:G06F0003044000, G06F0003041000, H01Q0021200000, H03K0017980000, G01R0033100000	(71)Name of Applicant : 1)Young Fast Optoelectronics Co., Ltd. Address of Applicant :No. 31, Jing- Jiann 1th Road, Kuan Yin, Taoyuan, Taiwan
(31) Priority Document No	:TW108201665	(72)Name of Inventor :
(32) Priority Date	:31/01/2019	1)PAI, CHIH-CHIANG
(33) Name of priority country /region	:Taiwan	2)LIN, MENG-KUEI
(86) International Application No	:NA	3)HUANG, HUNG-CHI
Filing Date	:NA	4)CHEN, CHIU- WEN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A touch panel includes a base layer having a shaded area and a visible area; a first sensing layer having first capacitive sensing columns (FCSCs) and first electromagnetic antenna columns (FEACs), which are insulated; a first auxiliary conductive layer having a circuit pattern substantially identical to the first sensing layer, and the circuit pattern correspondingly electrically connecting to the first sensing layer; a second sensing layer having second capacitive sensing columns (SCSCs) and second electromagnetic antenna columns (SEACs), which are insulated; a second auxiliary conductive layer having a circuit pattern substantially identical to the second sensing layer, and the circuit pattern correspondingly connect to the second sensing layer; and an insulative layer between the first and second sensing layer. The FCSCs are orthogonal to the SCSCs to constitute a diamond-lattice-shaped capacitive sensing unit array, and the FEACs are orthogonal to the SEACs to constitute a diamond-lattice-shaped electromagnetic antenna array.



No. of Pages : 28 No. of Claims : 9

(54) Title of the invention : ELEVATOR GROUP MANAGEMENT SYSTEM

(51) International classification :B66B0001240000,
H04W0004120000,
H04B0001382700,
H01M0008043200,
H04W0072040000

(31) Priority Document No :2019-018668

(32) Priority Date :05/02/2019

(33) Name of priority country :Japan

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number:NA
Filing Date :NA

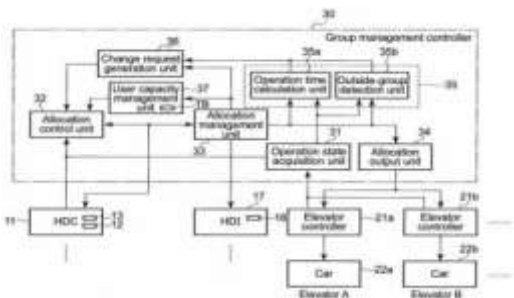
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)TOSHIBA ELEVATOR KABUSHIKI KAISHA
Address of Applicant :72-34, Horikawa-cho, Saiwai-ku,
Kawasaki, Kanagawa 212-0013, Japan Japan

(72)Name of Inventor :
1)Toshio SUGIHARA

(57) Abstract :

According to one embodiment, an elevator group management system includes change target detection means, change request generation means and allocation control means. The change target detection means detects the destination call allocated to the car as an allocation change target in accordance with an operation state of the car. The change request generation means generates an allocation change request call obtained by combining destination calls having a same condition as that of the destination call detected by the change target detection means into one. The allocation control means makes an allocation change based on the allocation change request call generated by the change request generation means. REFER TO FIGURE 6



No. of Pages : 47 No. of Claims : 9

(54) Title of the invention : SYSTEM CONFIGURATION AND OPERATION METHOD FOR IMPROVING STEAM TURBINE POWER GENERATION EFFICIENCY

(51) International classification :F01K0023100000,
 F01K0007040000,
 F01K0007160000,
 F01K0007200000,
 F01K0013020000

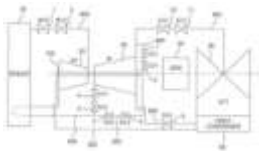
(31) Priority Document No :2019-018598
 (32) Priority Date :05/02/2019
 (33) Name of priority country :Japan
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)MITSUBISHI HITACHI POWER SYSTEMS, LTD.
 Address of Applicant :3-1, Minatomirai 3-chome, Nishi-ku,
 Yokohama-shi, Kanagawa 220-8401, Japan Japan

(72)Name of Inventor :
1)Yurika NAGAI
2)Akimitsu SEO
3)Kazuya SAKAKIBARA

(57) Abstract :

A steam turbine power generation facility and an operation method of such facility not only overcome the thermal elongation difference between a revolving body and a stationary body of a turbine so as to shorten start-up time but also suppress the efficiency of such facility from deterioration. The steam turbine power generation facility includes a boiler to generate steam; a high-pressure turbine into which the steam generated by the boiler flows; an intermediate-pressure turbine into which steam worked at the high-pressure turbine flows; and a low-pressure turbine into which steam worked at the intermediate-pressure turbine flows, in which the high-pressure turbine and the intermediate-pressure turbine are respectively provided with a heating section which is formed by communicating through the high-pressure turbine and the intermediate-pressure turbine, and further includes a pipe to make the steam worked at the high-pressure turbine flow into the heating section.



No. of Pages : 54 No. of Claims : 11

(54) Title of the invention : FUEL FILLER STRUCTURE FOR STRADDLE-TYPE VEHICLE

(51) International classification :B60K0015040000,
B62J0035000000,
B60K0015050000,
F01M0011040000,
B62K0019460000

(31) Priority Document No :2019-015497

(32) Priority Date :31/01/2019

(33) Name of priority country :Japan

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number:NA
Filing Date :NA

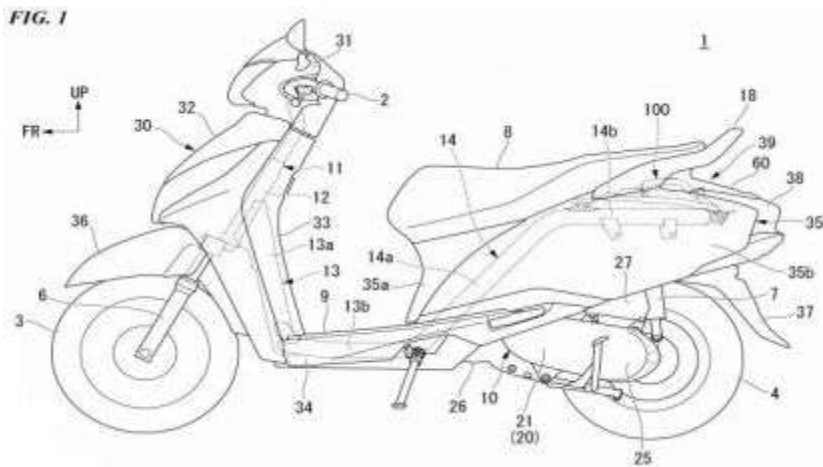
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HONDA MOTOR CO., LTD.
Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556 Japan

(72)Name of Inventor :
1)SUZUKI Kojiro
2)NIWA Hiroyuki

(57) Abstract :

A fuel filler structure (39) for a straddle-type vehicle of an embodiment includes: a fuel tank (40) which has an oil filler port (41) capable of supplying fuel from an outside of a seat (8) and is provided below the seat (8), a tray (50) which covers the periphery of the oil filler port (41), a lid (60) which is capable of being opened and closed to be accessible to the oil filler port (41), a base (70) which receives the lid (60), and a body lift structure (100) which is capable of lifting a part of a vehicle body upward, in which a rotation center (CI) of the body lift structure (100) is located behind the fuel tank (40).



No. of Pages : 49 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917025273 A

(19) INDIA

(22) Date of filing of Application :25/06/2019

(43) Publication Date : 07/08/2020

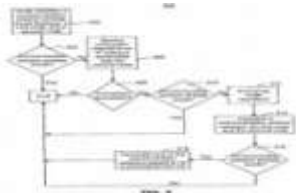
(54) Title of the invention : METHODS AND DEVICES FOR ESTABLISHING COMMUNICATION BETWEEN NODES IN BLOCKCHAIN SYSTEM

(51) International classification :H04L 29/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2019/074436
Filing Date :01/02/2019
(87) International Publication No :WO 2019/072318
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ALIBABA GROUP HOLDING LIMITED
Address of Applicant :Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman Cayman Island
(72)Name of Inventor :
1)QI, Yitong
2)WANG, Jiang

(57) Abstract :

Disclosed herein are methods, devices, and apparatuses, including computer programs stored on computer-readable media, for establishing communication between a first node and a second node in a blockchain system. One of the methods includes: the first node providing a node identifier of the first node to the second node and receiving a node identifier of the second node from the second node, to cause a first communication session to be established between the first node and the second node; the first node determining whether a second communication session exists between the first node and the second node; and in response to a determination that the second communication session exists between the first node and the second node, terminating one of the first communication session and the second communication session based on the node identifier of the first node and the node identifier of the second node.



No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917036295 A

(19) INDIA

(22) Date of filing of Application :10/09/2019

(43) Publication Date : 07/08/2020

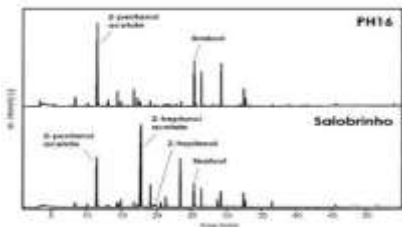
(54) Title of the invention : CHOCOLATE PRODUCTS, INGREDIENTS, PROCESSES AND USES

(51) International classification :A23G 1/32, A23G 1/48, A23G 1/00
(31) Priority Document No :18154926.2
(32) Priority Date :02/02/2018
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2019/052546
Filing Date :01/02/2019
(87) International Publication No :WO/2019/149909
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SOCIETE DES PRODUITS NESTLE S.A.
Address of Applicant :Entre-deux-Villes 1800 Vevey
Switzerland
(72)Name of Inventor :
1)FESTRING, Daniel
2)KUSCHEL, Beatrice
3)VIEIRA, Joslio, Batista

(57) Abstract :

The present invention provides the use of a composition obtainable from the pulp of a plant in the theobroma genus or an extract of said pulp, as an ingredient in a chocolate product.



No. of Pages : 45 No. of Claims : 18

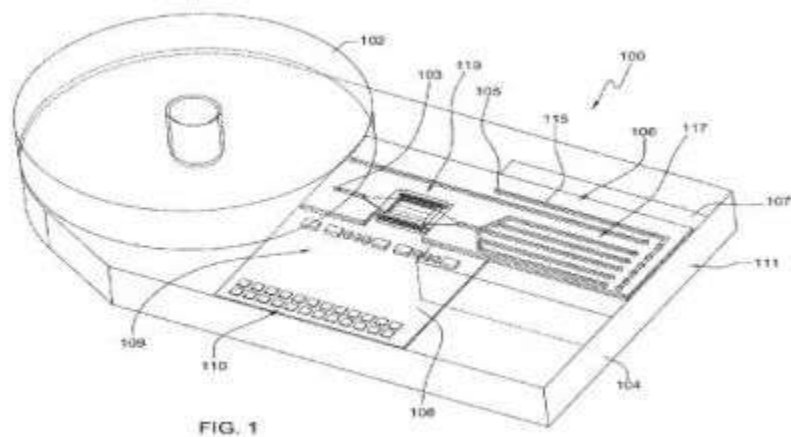
(54) Title of the invention : CARTRIDGE WITH LAMINATED MANIFOLD

(51) International classification :B01L 3/00
 (31) Priority Document No :62/626022
 (32) Priority Date :03/02/2018
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2019/016097
 Filing Date :31/01/2019
 (87) International Publication No :WO/2019/152677
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)ILLUMINA, INC.
 Address of Applicant :5200 Illumina Way San Diego, CA
 92122 U.S.A.
 (72)Name of Inventor :
1)SEGALE, Darren
2)TRAN, Hai
3)CRIVELLI, Paul

(57) Abstract :

A circuit with electrical interconnect for external electronic connection and sensor (s) on a die are combined with a laminated manifold to deliver a liquid reagent over an active surface of the sensor (s). The laminated manifold includes fluidic channel (s), an interface between the die and the fluidic channel (s) being sealed. Also disclosed is a method, the method including assembling a laminated manifold including fluidic channel (s), attaching sensor (s) on a die to a circuit, the circuit including an electrical interconnect, and attaching a planarization layer to the circuit, the planarization layer including a cut out for the die. The method further includes placing sealing adhesive at sides of the die, attaching the laminated manifold to the circuit, and sealing an interface between the die and fluidic channel (s).



No. of Pages : 16 No. of Claims : 20

(54) Title of the invention : INJECTION STRETCH BLOW MOLDING MACHINE AND METHOD FOR MANUFACTURING HOLLOW MOLDED BODY

(51) International classification	:B29C 49/66, B29C 49/06, B29C 49/12, B29C 49/36	(71) Name of Applicant : 1)AOKI TECHNICAL LABORATORY, INC. Address of Applicant :4963-3, Oaza Minamijo, Sakakimachi, Hanishina-gun, Nagano 3890603 Japan
(31) Priority Document No	:2018-080688	(72) Name of Inventor :
(32) Priority Date	:19/04/2018	1)NAKAZAWA Nobuhiko
(33) Name of priority country	:Japan	2)TERADA Miwa
(86) International Application No	:PCT/JP2019/003321	
Filing Date	:31/01/2019	
(87) International Publication No	:WO/2019/202811	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The purpose of the present invention is to improve the manufacturing efficiency of a hollow molded body through a reduction of the time required for a blow molding step in a molding cycle by making fixation of the container shape of the hollow molded body completed not during the blow molding step but during an ejection step in an extraction section, thereby shortening the operation time in a stretch blow molding section. The inside of the hollow molded body arranged in the extraction section in the ejection step C is sprayed with cooling air during the blow molding step B in a next molding cycle, thereby cooling the hollow molded body arranged in the extraction section and completing fixation of the container shape.

No. of Pages : 42 No. of Claims : 5

(54) Title of the invention : QUICK-RELEASE COUPLING FOR DRILLING AND RELATED METHODS

(51) International classification :E21B 17/02, E21B 17/03, B23B 31/06
(31) Priority Document No :62/625605
(32) Priority Date :02/02/2018
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2019/016514
Filing Date :04/02/2019
(87) International Publication No :WO/2019/152928
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)J.H. FLETCHER & CO.
Address of Applicant :402 High Street P.O. Box 2187
Huntington, WV 25722-2187 U.S.A.
(72)**Name of Inventor :**
1)BURGESS, Timothy D.
2)BURGESS, William Andrew
3)CRUM, Lyle Abraham
4)BISE, Douglas Edward

(57) Abstract :

An apparatus in the form of an adapter for forming a connection comprising a first part adapted for coupling with a second part by a quick-release coupling formed by a first projection of the first part having an at least partial dovetail shape and a recess of the second part having an at least partial dovetail shape. An opening in the recess is adapted for receiving the projection in an axial direction. In other embodiments, the adapter is: (1) frictionally enhanced for engaging an internal portion of the drilling element; (2) includes a radial projection elongated in an axial direction for engaging the internal portion of the one drilling element; and/or (3) has a cutter for scoring an internal portion of the one drilling element upon being inserted therein and rotated. An adapter is also disclosed for use with a drill chuck, including for creating a twist lock connection.

No. of Pages : 21 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201919004506 A

(19) INDIA

(22) Date of filing of Application :05/02/2019

(43) Publication Date : 07/08/2020

(54) Title of the invention : FUSION CONSTRUCTS OF STAPHYLOKINASE POSSESSING THROMBOLYTIC AND ANTICOAGULANT PROPERTIES

(51) International classification :C07K0014315000,
C12N0009520000,
C07K0014745000,
C12N0009480000,
A61K0038160000

(31) Priority Document No :6563/DELNP/2011

(32) Priority Date :29/08/2011

(33) Name of priority country :India

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :6563/DELNP/2011
Filed on :05/08/2011

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Address of Applicant :House No. Anusandhan Bhawan Street
2 Rafi Marg City New Delhi State Delhi Country India Pin code
110 001 Delhi India

(72)Name of Inventor :

1)vandana

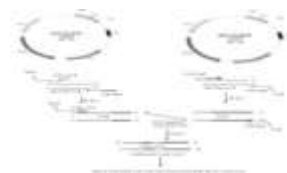
2)Arora Kashika

3)Maheshwari Neeraj

4)Sahni Girish

(57) Abstract :

The present invention discloses novel hybrid proteins that have both plasminogen activator and anti-thrombotic properties, including clot specific action, that renders these as highly advantageous for the treatment of circulatory disorders involving fibrin clot formation due to underlying tissue damage in the blood vessels leading to myocardial infarction, strokes etc. Also disclosed are new proteins, and methods of obtaining the same, that help to dissolve blood clots by activating plasminogen in a plasmin or thrombin dependent manner and also inhibit both the activity and generation of thrombin through the intrinsic pathway of blood coagulation.



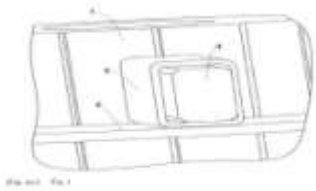
No. of Pages : 64 No. of Claims : 36

(54) Title of the invention : ELECTRIC MACHINE

(51) International classification	:H02K0005150000, H02K0005140000, A46B0005020000, F02N0011000000, A47L0005340000	(71)Name of Applicant : 1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20, 70442 Stuttgart, Germany Germany
(31) Priority Document No	:201910106893.0	(72)Name of Inventor :
(32) Priority Date	:02/02/2019	1)BAKAI, Laszlo
(33) Name of priority country	:China	2)GAREIS, Benedikt
(86) International Application No	:NA	3)SOKUTI, Fanni
Filing Date	:NA	4)WANG, Junjun
(87) International Publication No	: NA	5)LIPUSZ, Dora
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an electric machine, comprising: a commutator; a brush in contact with the commutator, with an elastic member being arranged at a first end of the brush, the elastic member acting on the brush such that a second end of the brush is in contact with the commutator; and a brush frame around the brush, wherein an action force applied by the elastic member to the brush and an action force applied by the commutator to the brush cause the brush to abut two adjacent wall faces of the brush frame. The electric machine according to embodiments of the present invention effectively prevents the brush from jumping about during operation of the electric machine.



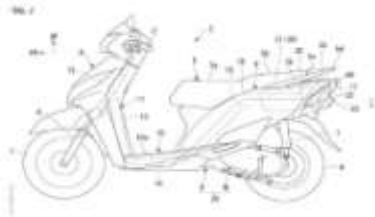
No. of Pages : 22 No. of Claims : 10

(54) Title of the invention : SADDLE-RIDING TYPE VEHICLE

(51) International classification	:B62K0011040000, B60K0015050000, F02C0007220000, F01D0001320000, B65F0007000000	(71)Name of Applicant : 1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556, Japan
(31) Priority Document No	:2019-017422	(72)Name of Inventor : 1)NAKAMURA Fujio
(32) Priority Date	:01/02/2019	
(33) Name of priority country	:Japan	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A saddle-riding type vehicle includes: a seat (5) on which a passenger sits; a fuel supply inlet (33) disposed behind the seat (5); and an opening and closing lid (40) configured to cover a fuel supply inlet disposition part (K) having the fuel supply inlet (33) disposed therein so that the fuel supply inlet disposition part (K) is able to be open and closed, wherein the opening and closing lid (40) is able to rotate about a rotation shaft (41) disposed on a front end side thereof to open the fuel supply inlet disposition part (K) toward the rear of the vehicle, the opening and closing lid (40) includes a lid upper surface (40b) which forms a vehicle body outer surface (17b) when the fuel supply inlet disposition part (K) is closed, and a concave section (42) which is recessed downward with respect to the lid upper surface (40b) is formed in a portion in which the concave section (42) approaches the seat (5) when the fuel supply inlet disposition part (K) in the opening and closing lid (40) is open.



No. of Pages : 39 No. of Claims : 10

(54) Title of the invention : METHODS FOR ADDITIVE MANUFACTURING WITH MASTICATED PARTICLES

(51) International classification :B33Y0010000000,
B22F0003105000,
B33Y0030000000,
B29C0064153000,
B23K0026342000

(31) Priority Document No :16/267,814

(32) Priority Date :05/02/2019

(33) Name of priority country :U.S.A.

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number:NA
Filing Date :NA

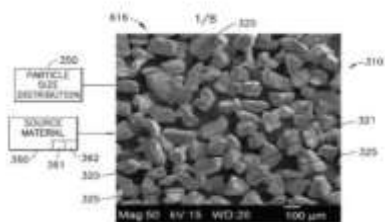
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)The Boeing Company
Address of Applicant :100 North Riverside Plaza, Chicago, IL
60606-2016, U.S.A. U.S.A.

(72)Name of Inventor :
1)PARRISH, Catherine J.
2)BOL, Eric
3)CHRISTODOULOU, Leo

(57) Abstract :

A method of additively manufacturing a part is provided. The method includes flowing masticated particles through a deposition nozzle of a directed energy deposition additive manufacturing apparatus. Each particle of the masticated particles includes a surface formed by at least angular facets. The method also includes melting the masticated particles exiting the deposition nozzle with a directed energy source of the directed energy deposition additive manufacturing apparatus so as to form the part.



No. of Pages : 33 No. of Claims : 11

(54) Title of the invention : KNUCKLE GUARD

(51) International classification :G06F0017210000,
G06F0017240000,
G06F0016930000,
B41M0003140000,
G06F0017220000

(31) Priority Document No :2019-015489

(32) Priority Date :31/01/2019

(33) Name of priority country :Japan

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

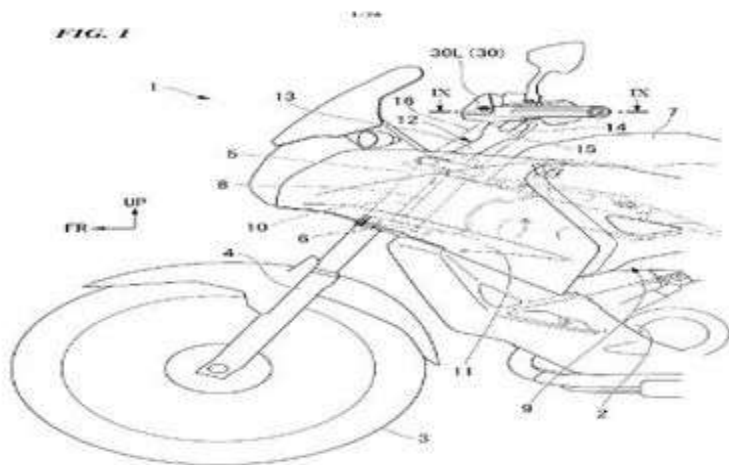
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HONDA MOTOR CO., LTD.
Address of Applicant :-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556 Japan

(72)Name of Inventor :
1)SHIKANAI Shimpei
2)YASUDA Jumpei

(57) Abstract :

A knuckle guard of the embodiment includes a guard member (39) disposed in front of a grip (17) of a handle of a vehicle, a connecting member (50) connected to the guard member (39), and a detachment structure (60) provided in an attachment part between the guard member (39) and the connecting member (50) and configured to detach the guard member (39) forward from the connecting member (50) when a load exceeding a set value is applied to the guard member (39) from behind, in which the detachment structure (60) is provided in an inner portion in a vehicle width direction of the guard member (39).



No. of Pages : 57 No. of Claims : 5

(54) Title of the invention : LEARNINGMETHOD AND LEARNING DEVICE FOR PROVIDING FUNCTIONAL SAFETY BY WARNING DRIVER ABOUT POTENTIAL DANGEROUS SITUATION BY USING EXPLAINABLE AI WHICH VERIFIES DETECTION PROCESSES OF AUTONOMOUS DRIVING NETWORK, AND TESTING METHOD AND TESTING DEVICE USING THE SAME

(51) International classification

:H04W0036220000,
G06F0017220000,
G06F0017210000,
C07D0403120000,
C07D0413040000

(31) Priority Document No

:62/799,186

(32) Priority Date

:31/01/2019

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Stradvision, Inc.

Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea

(72)Name of Inventor :

1)Kim, Kye-Hyeon

2)Kim, Yongjoong

3)Kim, Hak-Kyoung

4)Nam, Woonhyun

5)Boo, SukHoon

6)Sung, Myungchul

7)Shin Dongsoo

8)Yeo, Donghun

9)Ryu, Wooju

10)Lee, Myeong-Chun

11)Lee, Hyungsoo

12)Jang, Taewoong

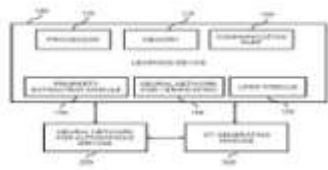
13)Jeong, Kyungjoong

14)Je, Hongmo

15)Cho, Hojin

(57) Abstract :

A learning method for providing a functional safety by warning a driver about a potential dangerous situation by using an explainable AI which verifies detection processes of a neural network for an autonomous driving is provided. And the learning method includes steps of: (a) a learning device for verification, if at least one training image for verification is acquired, instructing a property extraction module to apply extraction operation to the training image for verification to extract property information on characteristics of the training image for verification to thereby generate a quality vector; (b) the learning device for verification instructing the neural network for verification to apply first neural network operations to the quality vector, to thereby generate predicted safety information; and (c) the learning device for verification instructing a loss module to generate a loss, and perform a backpropagation by using the loss, to thereby learn parameters included in the neural network for verification.



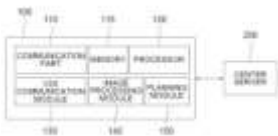
No. of Pages : 42 No. of Claims : 22

(54) Title of the invention : METHOD ANDDEVICE FOR SHORT-TERM PATH PLANNING OF AUTONOMOUS DRIVING THROUGH INFORMATION FUSION BY USING V2X COMMUNICATION AND IMAGE PROCESSING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:H04W0036220000, G06F0017220000, G06F0017210000, C07D0403120000, C07D0413040000</p> <p>:62/799,207</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc.</p> <p style="padding-left: 20px;">Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon</p> <p>2)Kim, Yongjoong</p> <p>3)Kim, Hak-Kyoung</p> <p>4)Nam, Woonhyun</p> <p>5)Boo, SukHoon</p> <p>6)Sung, Myungchul</p> <p>7)Shin Dongsoo</p> <p>8)Yeo, Donghun</p> <p>9)Ryu, Wooju</p> <p>10)Lee, Myeong-Chun</p> <p>11)Lee, Hyungsoo</p> <p>12)Jang, Taewoong</p> <p>13)Jeong, Kyungjoong</p> <p>14)Je, Hongmo</p> <p>15)Cho, Hojin</p>
---	---	---

(57) Abstract :

A method for planning an autonomous driving by using a V2X communication and an imageprocessing under a road circumstance where both vehicles capable of the V2X communication and vehicles incapable of the V2X communication existis provided. And the method includes steps of: (a) a computing device, corresponding to a subject autonomous vehicle,instructing a planning module to acquire recognition information on surrounding vehicles including (i) first vehicles capable of a V2X communication and (ii) second vehicles incapable of the V2X communication; (b) the computing device instructing the planning module to select aninterfering vehicle among the surrounding vehicles; and (c) the computing device instructing the planning module to generate a potential interference prediction model, and to modify current optimized route information in order to evade a potential interfering action, to thereby generate updated optimized route information of the subject autonomous vehicle.



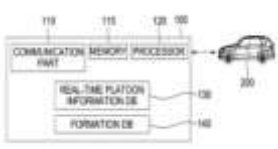
No. of Pages : 41 No. of Claims : 26

(54) Title of the invention : METHOD ANDDEVICE FOR SWITCHING DRIVING MODES TO SUPPORT SUBJECT VEHICLE TO PERFORM PLATOON DRIVING WITHOUT ADDITIONAL INSTRUCTIONS FROM DRIVER DURING DRIVING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:H04W0036220000, G06F0017220000, G06F0017210000, C07D0403120000, C07D0413040000</p> <p>:62/799,219</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc., Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon 2)Kim, Yongjoong 3)Kim, Hak-Kyoung 4)Nam, Woonhyun 5)Boo, SukHoon 6)Sung, Myungchul 7)Shin Dongsoo 8)Yeo, Donghun 9)Ryu, Wooju 10)Lee, Myeong-Chun 11)Lee, Hyungsoo 12)Jang, Taewoong 13)Jeong, Kyungjoong 14)Je, Hongmo 15)Cho, Hojin</p>
---	---	---

(57) Abstract :

A method for switching driving modes of a subject vehicle to support the subject vehicle to perform a platoon driving by using platoon driving information is provided. And the method includes steps of: (a) a basement server, which interworks with the subject vehicle driving in a first mode, acquiring first platoon driving information, to N-th platoon driving information by referring to a real-time platoon driving information DB; (b) the basement server (i) calculating a first platoon driving suitability score to an N-th platoon driving suitability score by referring to first platoon driving parameters to N-th platoon driving parameters and (ii) selecting a target platoon driving group to be including the subject vehicle; (c) the basement server instructing the subject vehicle to drive in a second mode.



No. of Pages : 39 No. of Claims : 26

(54) Title of the invention : METHOD FOR PROVIDING ROBUST OBJECT DISTANCE ESTIMATION BASED ON CAMERA BY PERFORMING PITCH CALIBRATION OF CAMERA MORE PRECISELY WITH FUSION OF INFORMATION ACQUIRED THROUGH CAMERA AND INFORMATION ACQUIRED THROUGH V2V COMMUNICATION AND DEVICE USING THE SAME

(51) International classification

:H04W0036220000,
G06F0017220000,
G06F0017210000,
C07D0403120000,
C07D0413040000

(31) Priority Document No

:62/799,238

(32) Priority Date

:31/01/2019

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Stradvision, Inc.

Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea

(72)Name of Inventor :

1)Kim, Kye-Hyeon

2)Kim, Yongjoong

3)Kim, Hak-Kyoung

4)Nam, Woonhyun

5)Boo, SukHoon

6)Sung, Myungchul

7)Shin Dongsoo

8)Yeo, Donghun

9)Ryu, Wooju

10)Lee, Myeong-Chun

11)Lee, Hyungsoo

12)Jang, Taewoong

13)Jeong, Kyungjoong

14)Je, Hongmo

15)Cho, Hojin

(57) Abstract :

A method for enhancing an accuracy of object distance estimation based on a subject camera by performing pitch calibration of the subject camera more precisely with additional information acquired through V2V communication is provided. And the method includes steps of: (a) a computing device, performing (i) a process of instructing an initial pitch calibration module to apply a pitch calculation operation to the reference image, to thereby generate an initial estimated pitch, and (ii) a process of instructing an object detection network to apply a neural network operation to the reference image, to thereby generate reference object detection information; (b) the computing device instructing an adjusting pitch calibration module to (i) select a target object, (ii) calculate an estimated target height of the target object, (iii) calculate an error corresponding to the initial estimated pitch, and (iv) determine an adjusted estimated pitch on the subject camera by using the error.



No. of Pages : 37 No. of Claims : 22

(54) Title of the invention : METHOD AND DEVICE FOR GENERATING DECEIVABLE COMPOSITE IMAGE BY USING GAN INCLUDING GENERATING NEURAL NETWORK AND DISCRIMINATING NEURAL NETWORK TO ALLOW SURVEILLANCE SYSTEM TO RECOGNIZE SURROUNDINGS AND DETECT RARE EVENT MORE ACCURATELY

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:G06T0011600000, G01C0021340000, G06N0003080000, G06K0009620000, G06N0003040000</p> <p>:16/262,980</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>: NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p>	<p>(71)Name of Applicant :</p> <p>1)STRADVISION, INC.</p> <p style="padding-left: 20px;">Address of Applicant :SUITE 304-308, 5TH VENTURE-DONG, 394, JIGOK-RO, NAM-GU, POHANG-SI, GYEONGSANGBUK-DO, 37668, REPUBLIC OF KOREA Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)KIM, KYE-HYEON</p> <p>2)KIM, YONGJOONG</p> <p>3)KIM, INSU</p> <p>4)KIM, HAK-KYOUNG</p> <p>5)NAM, WOONHYUN</p> <p>6)BOO, SUKHOON</p> <p>7)SUNG, MYUNGCHUL</p> <p>8)YEO, DONGHUN</p> <p>9)RYU, WOJU</p> <p>10)JANG, TAEWOONG</p> <p>11)JEONG, KYUNGJOONG</p> <p>12)JE, HONGMO</p> <p>13)CHO, HOJIN</p>
---	---	--

(57) Abstract :

A method for generating a deceivable composite image by using a GAN (Generative Adversarial Network) including a generating and a discriminating neural network to allow a surveillance system to recognize surroundings and detect a rare event, such as hazardous situations, more accurately by using a heterogeneous sensor fusion is provided. The method includes steps of: a computing device, generating location candidates of a rare object on a background image, and selecting a specific location candidate among the location candidates as an optimal location of the rare object by referring to candidate scores; inserting a rare object image into the optimal location, generating an initial composite image; and adjusting color values corresponding to each of pixels in the initial composite image, generating the deceivable composite image. Further, the method may be applicable to a pedestrian assistant system and a route planning by using 3D maps, GPS, smartphones, V2X communications, etc.



No. of Pages : 36 No. of Claims : 24

(54) Title of the invention : METHOD AND DEVICE FOR PROVIDING ADVANCED PEDESTRIAN ASSISTANCE SYSTEM TO PROTECT PEDESTRIAN PREOCCUPIED WITH SMARTPHONE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:G06K0009000000, H04W0004021000, G08G0001160000, B60R0021340000, G01C0021120000</p> <p>:16/263,006</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>: NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p>	<p>(71)Name of Applicant :</p> <p>1)STRADVISION, INC.</p> <p style="padding-left: 20px;">Address of Applicant :SUITE 304-308, 5TH VENTURE-DONG, 394, JIGOK-RO, NAM-GU, POHANG-SI, GYEONGSANGBUK-DO, 37668, REPUBLIC OF KOREA Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)KIM, KYE-HYEON</p> <p>2)KIM, YONGJOONG</p> <p>3)KIM, INSU</p> <p>4)KIM, HAK-KYOUNG</p> <p>5)NAM, WOONHYUN</p> <p>6)BOO, SUKHOON</p> <p>7)SUNG, MYUNGCHUL</p> <p>8)YEO, DONGHUN</p> <p>9)RYU, WOJU</p> <p>10)JANG, TAEWOONG</p> <p>11)JEONG, KYUNGJOONG</p> <p>12)JE, HONGMO</p> <p>13)CHO, HOJIN</p>
---	---	--

(57) Abstract :

A method for providing an Advanced Pedestrian Assistance System to protect a pedestrian preoccupied with a smartphone is provided. The method includes steps of: the smartphone instructing a locating unit to acquire 1-st information including location and velocity information of the pedestrian and location and velocity information of the smartphone; instructing a detecting unit to acquire 2-nd information including hazard statuses of hazardous areas near the pedestrian and location information and velocity information of hazardous objects, by referring to images acquired by phone cameras linked with the smartphone and the 1-st information; and instructing a control unit to calculate a degree of pedestrian safety of the pedestrian by referring to the 1 -st and the 2-nd information, and to transmit a hazard alert to the pedestrian via the smartphone. Further, the method can be used for surveillance or a military purpose.



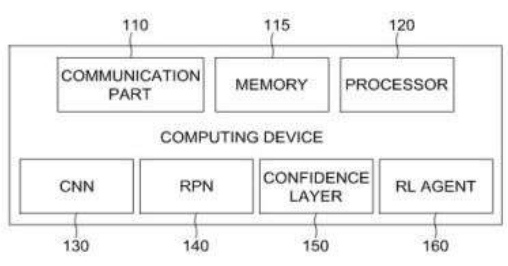
No. of Pages : 42 No. of Claims : 30

(54) Title of the invention : METHOD AND DEVICE FOR ATTENTION-DRIVEN RESOURCE ALLOCATION BY USING AVM AND REINFORCEMENT LEARNING TO THEREBY ACHIEVE SAFETY OF AUTONOMOUS DRIVING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:G06N0003040000, G06N0003080000, G06K0009000000, G06K0009620000, G05D0001020000</p> <p>:62/799,321</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc.</p> <p style="padding-left: 20px;">Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon</p> <p>2)Kim, Yongjoong</p> <p>3)Kim, Hak-Kyoung</p> <p>4)Nam, Woonhyun</p> <p>5)Boo, SukHoon</p> <p>6)Sung, Myungchul</p> <p>7)Shin, Dongsoo</p> <p>8)Yeo, Donghun</p> <p>9)Ryu, Wooju</p> <p>10)Lee, Myeong-Chun</p> <p>11)Lee, Hyungsoo</p> <p>12)Jang, Taewoong</p> <p>13)Jeong, Kyungjoong</p> <p>14)Je, Hongmo</p> <p>15)Cho, Hojin</p>
---	---	--

(57) Abstract :

A method for achieving better performance in an autonomous driving while saving computing powers, by using confidence scores representing a credibility of an object detection which is generated in parallel with an object detection process is provided. And the method includes steps of: (a) a computing device acquiring at least one circumstance image on surroundings of a subject vehicle, through at least one panorama view sensor installed on the subject vehicle; (b) the computing device instructing a Convolutional Neural Network(CNN) to apply at least one CNN operation to the circumstance image, to thereby generate initial object information and initial confidence information on the circumstance image; and (c) the computing device generating final object information on the circumstance image by referring to the initial object information and the initial confidence information, with a support of an RL agent.



No. of Pages : 63 No. of Claims : 30

(54) Title of the invention : LEARNING METHOD AND LEARNING DEVICE FOR INTEGRATING OBJECT DETECTION INFORMATION ACQUIRED THROUGH V2V COMMUNICATION FROM OTHER AUTONOMOUS VEHICLE WITH OBJECT DETECTION INFORMATION GENERATED BY PRESENT AUTONOMOUS VEHICLE, AND TESTING METHOD AND TESTING DEVICE USING THE SAME

(51) International classification

:G06N0003080000,
G06N0020000000,
G06T0007770000,
A63F0013352000,
G10L0013027000

(31) Priority Document No

:62/799,124

(32) Priority Date

:31/01/2019

(33) Name of priority country

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)STRADVISION, INC.

Address of Applicant :SUITE 304-308, 5TH VENTURE-DONG, 394, JIGOK-RO, NAM-GU, POHANG-SI, GYEONGSANGBUK-DO, 37668, REPUBLIC OF KOREA
Republic of Korea

(72)Name of Inventor :

1)KIM, KYE-HYEON

2)KIM, YONGJOONG

3)KIM, HAK-KYOUNG

4)NAM, WOONHYUN

5)BOO, SUKHOON

6)SUNG, MYUNGCHUL

7)SHIN, DONGSOO

8)YEO, DONGHUN

9)RYU, WOJU

10)LEE, MYEONG-CHUN

11)LEE, HYUNGSOO

12)JANG, TAEWOONG

13)JEONG, KYUNGJOONG

14)JE, HONGMO

15)CHO, HOJIN

(57) Abstract :

A learning method for generating integrated object detection information by integrating first object detection information and second object detection information is provided. And the method includes steps of: (a) a learning device instructing a concatenating network to generate one or more pair feature vectors; (b) the learning device instructing a determining network to apply FC operations to the pair feature vectors, to thereby generate (i) determination vectors and (ii) box regression vectors; (c) the learning device instructing a loss unit to generate an integrated loss by referring to the determination vectors, the box regression vectors and their corresponding GTs, and performing backpropagation processes by using the integrated loss, to thereby learn at least part of parameters included in the DNN.



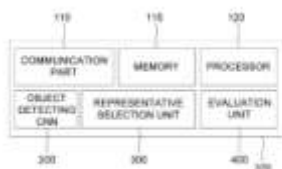
No. of Pages : 45 No. of Claims : 22

(54) Title of the invention : METHOD AND DEVICE FOR SUPPORTING ADMINISTRATORS TO EVALUATE OBJECT DETECTING PROCESSES OF OBJECT DETECTORS TO PROVIDE LOGICAL GROUNDS OF AUTONOMOUS DRIVING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:G06K0009620000, G06N0003040000, G06K0009460000, G06K0009000000, G05D0001020000</p> <p>:62/799,139</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>: NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p>	<p>(71)Name of Applicant :</p> <p>1)STRADVISION, INC.</p> <p style="padding-left: 20px;">Address of Applicant :SUITE 304-308, 5TH VENTURE-DONG, 394, JIGOK-RO, NAM-GU, POHANG-SI, GYEONGSANGBUK-DO, 37668, REPUBLIC OF KOREA</p> <p>Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)KIM, KYE-HYEON</p> <p>2)KIM, YONGJOONG</p> <p>3)KIM, HAK-KYOUNG</p> <p>4)NAM, WOONHYUN</p> <p>5)BOO, SUKHOON</p> <p>6)SUNG, MYUNGCHUL</p> <p>7)SHIN, DONGSOO</p> <p>8)YEO, DONGHUN</p> <p>9)RYU, WOJU</p> <p>10)LEE, MYEONG-CHUN</p> <p>11)LEE, HYUNGSOO</p> <p>12)JANG, TAEWOONG</p> <p>13)JEONG, KYUNGJOONG</p> <p>14)JE, HONGMO</p> <p>15)CHO, HOJIN</p>
---	---	--

(57) Abstract :

A method for supporting at least one administrator to evaluate detecting processes of object detectors to provide logical grounds of an autonomous driving is provided. And the method includes steps of: (a) a computing device instructing convolutional layers, included in an object detecting CNN which has been trained before, to generate reference convolutional feature maps by applying convolutional operations to reference images inputted thereto, and instructing ROI pooling layers included therein to generate reference ROI-Pooled feature maps by pooling at least part of values corresponding to ROIs on the reference convolutional feature maps; and (b) the computing device instructing a representative selection unit to classify the reference ROI-Pooled feature maps by referring to information on classes of objects included in their corresponding ROIs on the reference images, and to generate at least one representative feature map per each class.



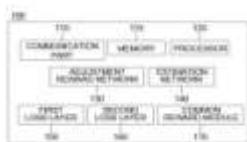
No. of Pages : 38 No. of Claims : 30

(54) Title of the invention : LEARNING METHOD AND LEARNING DEVICE FOR SUPPORTING REINFORCEMENT LEARNING BY USING HUMAN DRIVING DATA AS TRAINING DATA TO THEREBY PERFORM PERSONALIZED PATH PLANNING

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:G06N0003080000, G06Q0030020000, G06N0003040000, H04W0024020000, H04W0056000000</p> <p>:62/799,368</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA :NA</p> <p>: NA</p> <p>:NA :NA</p> <p>:NA :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc. Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon 2)Kim, Yongjoong 3)Kim, Hak-Kyoung 4)Nam, Woonhyun 5)Boo, SukHoon 6)Sung, Myungchul 7)Shin, Dongsoo 8)Yeo, Donghun 9)Ryu, Wooju 10)Lee, Myeong-Chun 11)Lee, Hyungsoo 12)Jang, Taewoong 13)Jeong, Kyungjoong 14)Je, Hongmo 15)Cho, Hojin</p>
--	--	---

(57) Abstract :

A learning method for acquiring at least one personalized reward function, used for performing a Reinforcement Learning(RL) algorithm, corresponding to a personalized optimal policy for a subject driver is provided. And the method includes steps of: (a) a learning device performing a process of instructing an adjustment reward network to generate first adjustment rewards, by referring to the information on actual actions and actual circumstance vectors in driving trajectories, a process of instructing a common reward module to generate first common rewards by referring to the actual actions and the actual circumstance vectors, and a process of instructing an estimation network to generate actual prospective values by referring to the actual circumstance vectors; and (b) the learning device instructing a first loss layer to generate an adjustment reward and to perform backpropagation to learn parameters of the adjustment reward network.



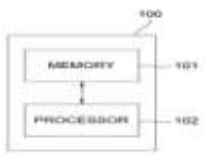
No. of Pages : 45 No. of Claims : 20

(54) Title of the invention : METHOD AND DEVICE FOR GENERATING SAFE CLOTHING PATTERNS FOR RIDER OF BIKE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:C12P0021000000, C12N0009100000, G06N0003000000, G06F0017280000, C12N0015790000</p> <p>:62/799,347</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>: NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p> <p>:NA</p> <p style="padding-left: 20px;">:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc.</p> <p style="padding-left: 20px;">Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon</p> <p>2)Kim, Yongjoong</p> <p>3)Kim, Hak-Kyoung</p> <p>4)Nam, Woonhyun</p> <p>5)Boo, SukHoon</p> <p>6)Sung, Myungchul</p> <p>7)Shin, Dongsoo</p> <p>8)Yeo, Donghun</p> <p>9)Ryu, Wooju</p> <p>10)Lee, Myeong-Chun</p> <p>11)Lee, Hyungsoo</p> <p>12)Jang, Taewoong</p> <p>13)Jeong, Kyungjoong</p> <p>14)Je, Hongmo</p> <p>15)Cho, Hojin</p>
---	---	--

(57) Abstract :

A method for generating safe clothing patterns for a human-like figure is provided. The method includes steps of: a safe clothing-pattern generating device, (a) after acquiring an image of the human-like figure, generating a specific clothing pattern having an initial value, inputting the specific clothing pattern and the image of the human-like figure into a clothing composition network, combining the specific clothing pattern with a clothing of the human-like figure to generate a composite image; (b) inputting the composite image into an image translation network, translating surrounding environment on the composite image to generate a translated image, and inputting the translated image into an object detector to output detection information on the human-like figure; and (c) instructing a 1-st loss layer to calculate losses by referring to the detection information and a GT corresponding to the image of the human-like figure, and updating the initial value by using the losses.



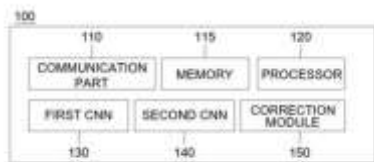
No. of Pages : 31 No. of Claims : 14

(54) Title of the invention : METHOD FOR CORRECTING MISALIGNMENT OF CAMERA BY SELECTIVELY USING INFORMATION GENERATED BY ITSELF AND INFORMATION GENERATED BY OTHER ENTITIES AND DEVICE USING THE SAME

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:H04N0019560000, H04N0019119000, A63F0013213000, G01D0005244000, G11C0007120000</p> <p>:62/799,386</p> <p>:31/01/2019</p> <p>:U.S.A.</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Stradvision, Inc. Address of Applicant :Suite 304-308, 5th Venture-dong, 394, Jigok-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37668, Republic of Korea Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)Kim, Kye-Hyeon 2)Kim, Yongjoong 3)Kim, Hak-Kyoung 4)Nam, Woonhyun 5)Boo, SukHoon 6)Sung, Myungchul 7)Shin, Dongsoo 8)Yeo, Donghun 9)Ryu, Wooju 10)Lee, Myeong-Chun 11)Lee, Hyungsoo 12)Jang, Taewoong 13)Jeong, Kyungjoong 14)Je, Hongmo 15)Cho, Hojin</p>
--	--	---

(57) Abstract :

A method for correcting an incorrect angle of a camera is provided. And the method includes steps of: (a) a computing device, generating first reference data or second reference data according to circumstance information by referring to a reference image; (b) the computing device generating a first angle error or a second angle error by referring to the first reference data or the second reference data with vehicle coordinate data; and (c) the computing device instructing a physical rotation module to adjust the incorrect angle by referring to the first angle error or the second angle error.



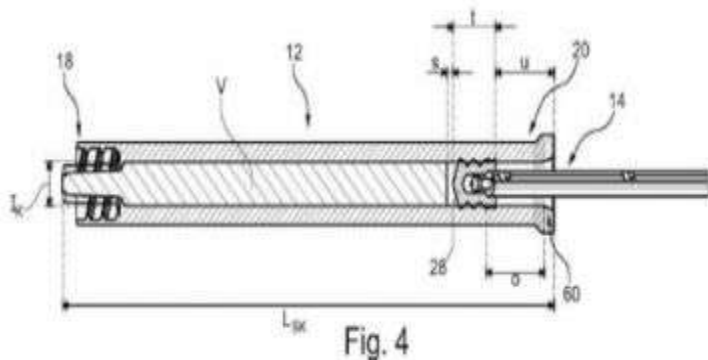
No. of Pages : 37 No. of Claims : 18

(54) Title of the invention : SYRINGE BODY, SYRINGE AND INJECTION DEVICE FOR INJECTING A HIGHLY VISCOUS MEDIUM

(51) International classification	:A61M0005310000, A61M0005340000, A61M0005315000, A61F0009007000, A61B0017880000	(71)Name of Applicant : 1)SCHOTT Schweiz AG Address of Applicant :St. Josefen-Str. 20, 9001 St. Gallen (CH) Switzerland
(31) Priority Document No	:19154910.4	(72)Name of Inventor :
(32) Priority Date	:31/01/2019	1)MOSER, Raymond
(33) Name of priority country	:EPO	2)BRECHLER, Sebastian
(86) International Application No	:NA	3)GINNEKEN, Tom van
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a syringe body (12) for a syringe for injecting a highly viscous medium, comprising a distal end portion (18) and a proximal end portion (20). The syringe body (12) has a hollow cylindrical configuration and forms a chamber for receiving the highly viscous medium. The proximal end portion (20) has an opening through which a piston rod arrangement (14) is insertable into the chamber. At the distal end portion (18), a Luer lock connector (22) is formed that comprises an outer cone (40), with a further opening (42) for dispensing the highly viscous medium, and a sleeve-shaped portion (44) with an inner thread (46). The syringe body (12) has a minimum NPO resistance of over 90 N.



No. of Pages : 34 No. of Claims : 14

(54) Title of the invention : HOME AUTOMATION ELECTRONIC CONTROL DEVICE WITH TWO WIRES

(51) International classification :A47D0013060000,
A47G0001040000,
B65D0021020000,
G06F0011300000,
G06F0021600000

(31) Priority Document No :1900944

(32) Priority Date :31/01/2019

(33) Name of priority country :France

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

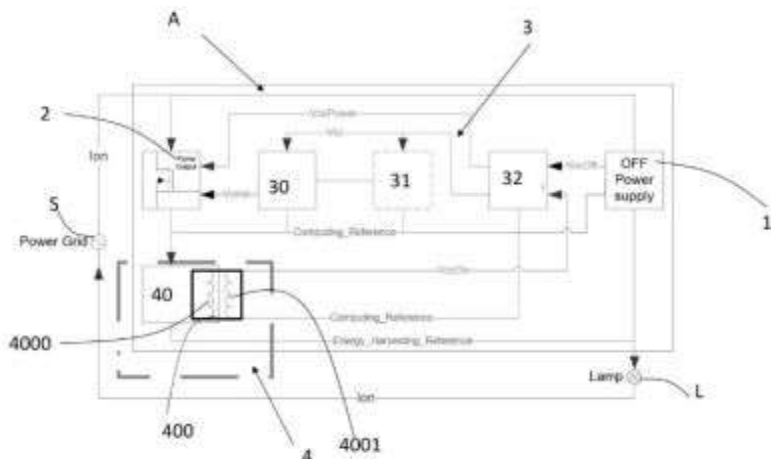
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LEGRAND FRANCE
Address of Applicant :128, avenue du Marchal de Lattre de Tassigny , 87000 LIMOGES, France France
2)LEGRAND SNC

(72)Name of Inventor :
1)VALL%E Sbastien
2)COUJEAN Laurent

(57) Abstract :

The invention relates to a home automation electronic control device with at least two wires (B) including: an electronic commutator (2), a home automation unit (3) including a microcontroller (30) for controlling an electronic commutator (2), a power supply unit (4) linked to the electronic commutator for the passage of current between the mains terminal and the load terminal, the power supply unit including: a power supply circuit (40) including: an energy storage element, a transformer including a primary coil for consuming the energy of the energy storage element and a secondary coil for transforming this energy to supply the microcontroller (30), an electronic bypass switch (41) in parallel with the power supply circuit, the electronic switch including a closed state to short-circuit the power supply circuit and an open state to supply the power supply circuit.



No. of Pages : 32 No. of Claims : 10

(54) Title of the invention : PROCESSES AND APPARATUS FOR ISOMERIZING HYDROCARBONS

(51) International classification :C07C0005270000,
B60G0021055000,
B01D0053260000,
C10G0025000000,
C07C0005250000

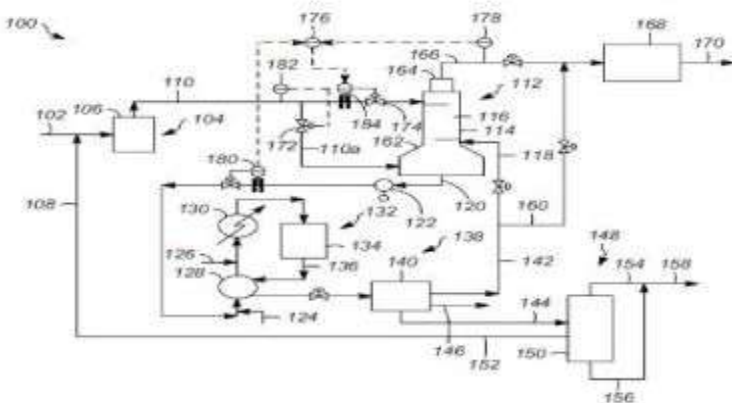
(31) Priority Document No :16/263,733
(32) Priority Date :31/01/2019
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)UOP LLC
Address of Applicant :25 East Algonquin Road P.O. Box 5017
Des Plaines, Illinois 60017-5017, United States of America U.S.A.

(72)Name of Inventor :
1)Manoj Kumar
2)David James Shecterle

(57) Abstract :

Processes and apparatus for isomerizing hydrocarbons are provided. The process comprises isomerizing at least a portion of the hydrocarbon feed stream comprising at least one of C4 to C7 hydrocarbons in the presence of an isomerization catalyst and hydrogen under isomerization conditions to produce an isomerized stream. The isomerized stream is stabilized in a stabilizer to provide a stabilizer off-gas stream comprising chlorides and a liquid isomerate stream. At least a portion of the stabilizer off-gas stream is contacted with a dried feed stream to remove chlorides from the stabilizer off-gas stream. The dried feed stream is not cooled before absorbing the chlorides. A portion of the dried feed stream may bypass the absorbing section. A chiller is disposed on top of the vessel with the absorbing section.



No. of Pages : 23 No. of Claims : 10

(54) Title of the invention : FUEL FILLER STRUCTURE FOR STRADDLE-TYPE VEHICLE

(51) International classification :H04L0029080000,
C07D0417140000,
C07D0417060000,
C07D0263320000,
G03G0015000000

(31) Priority Document No :2019-015496

(32) Priority Date :31/01/2019

(33) Name of priority country :Japan

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

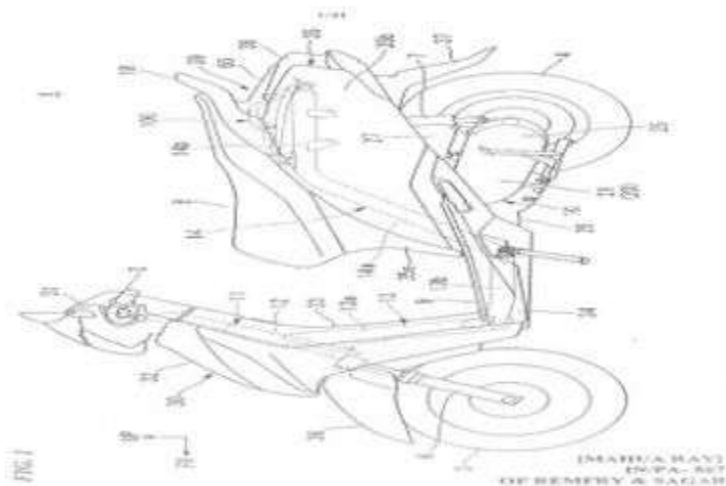
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HONDA MOTOR CO., LTD.
Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556 Japan, Japan

(72)Name of Inventor :
1)SUZUKI, Kojiro
2)SUNAGA, Takashi
3)NIWA, Hiroyuki

(57) Abstract :

A fuel filler structure (39) for a straddle-type vehicle of an embodiment includes: a fuel tank (40) that has a fuel filler (41) that allows a fuel to be fed from the outside of a seat (8), and provided below the seat (8); a tray (50) configured to cover a periphery of the fuel filler (41); a lid (60) configured to enable opening/closing to allow access to the fuel filler (41); a base (70) configured to receive the lid (60); and a body lift structure (100) configured to enable a part of a vehicle body to be lifted upward. The base (70) is included in the part of the vehicle body, and the base (70) is provided separately from the tray (50).



No. of Pages : 49 No. of Claims : 5

(54) Title of the invention : FORMING AND TRANSPORTING APPARATUS FOR CONVEYING AND FORMING A GROUP OF ROD-LIKE ARTICLES, AND FEEDING APPARATUS FOR FEEDING A GROUP OF ROD-LIKE ARTICLES

(51) International classification :A24C0005350000,
A24C0005356000,
A24C0005320000,
A24D0003020000,
B65G0047510000

(31) Priority Document No :19154649.8

(32) Priority Date :31/01/2019

(33) Name of priority country :EPO

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number:NA

Filing Date :NA

(62) Divisional to Application Number :NA

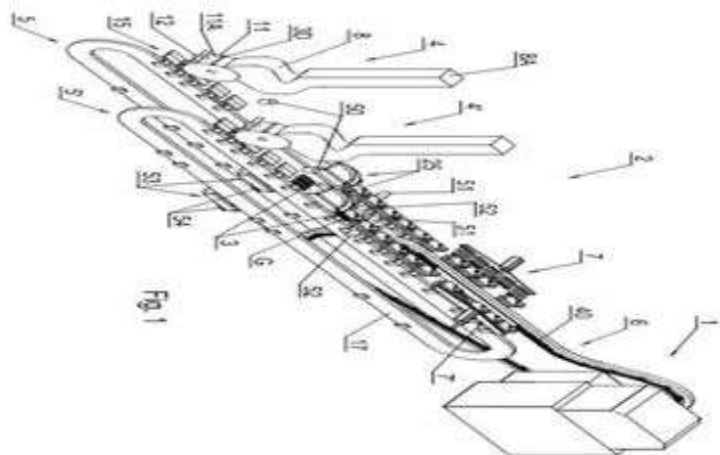
Filing Date :NA

(71)Name of Applicant :
**1)INTERNATIONAL TOBACCO MACHINERY POLAND
SP. Z O. O.**
Address of Applicant :UL. ANDRZEJA
STANIKOWSKIEGO 2, 26-600 RADOM, POLAND Poland

(72)Name of Inventor :
1)RUTKOWSKI, ARTUR

(57) Abstract :

The object of the invention is a forming and transporting apparatus for conveying rod-like articles and for forming groups of the rod-like articles of the tobacco industry, comprising transport units, whereas a transport unit comprises a transport carriage adapted to move along a path, and a transport tray provided with a number of transport grooves adapted to hold the rod-like articles, whereas the tray is fastened to the transport carriage, whereas the transport tray is divided into two transport sections which are adapted to change the reciprocal position between an open configuration in which the transport grooves are situated substantially in one plane and a closed configuration in which the transport grooves are situated in two planes being substantially parallel to each other, whereas the transport sections are rotatably connected with each other on the axis of rotation corresponding to the direction of movement of the transport carriage, characterised in that the first transport section is fastened to the transport carriage, and the second transport section is provided with a steering element, the forming and transporting apparatus is provided with a forming unit comprising a closing cam situated next to the path, the closing cam having a raceway adapted to guide the steering element in such a way that while moving the transport unit through the forming unit the second transport section makes a rotation relative to the first transport section in order to change the configuration of the transport sections from an open configuration to a closed configuration. The object of the invention is further a feeding apparatus for feeding the groups G of the rod-like articles provided with the forming and transporting apparatus.



No. of Pages : 22 No. of Claims : 8

(54) Title of the invention : LAUNDRY TREATING APPARATUS

(51) International classification :G03G0015010000,
D06F0037060000,
D06F0029000000,
D06F0037040000,
A61L0015500000

(31) Priority Document No :10-2019-0013927

(32) Priority Date :01/02/2019

(33) Name of priority country :Republic of Korea

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

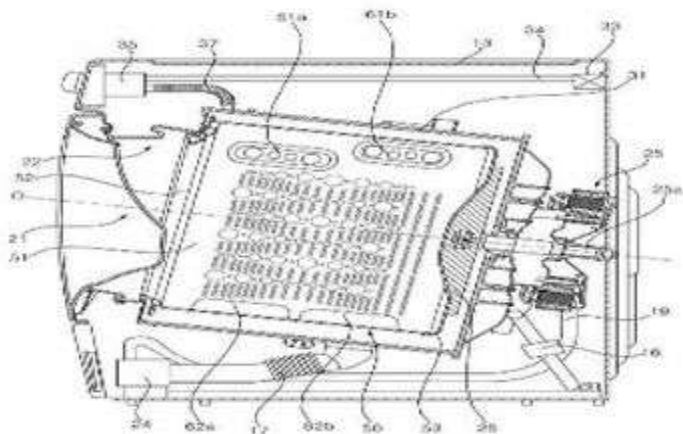
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG ELECTRONICS INC.
Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu,
Seoul 07336, Republic of Korea Republic of Korea

(72)Name of Inventor :
1)SEO, Min Soo
2)KIM, Jun Young
3)LEE, Hong Min

(57) Abstract :

A laundry treating apparatus includes: a drum, a first lifter disposed on an inner circumferential surface of the drum, and a second lifter that is disposed on the inner circumferential surface of the drum at a position rearward of the first lifter. Each of the first lifter and the second lifter includes at least one insertion protrusion. The drum defines: a first group of one or more mounting slots in a first area of the drum; and a second group of one or more mounting slots in a second area of the drum. The second area is disposed rearward relative to the first area and overlaps with at least a portion of the first area of the drum, and the at least one insertion protrusion is configured to selectively insert into the one or more mounting slots in the first group or the second group.



No. of Pages : 60 No. of Claims : 24

(54) Title of the invention : LAUNDRY TREATING APPARATUS

(51) International classification :D06F0037060000,
D06F0037020000,
D04H0018040000,
D06F0037140000,
C02F0001480000

(31) Priority Document No :10-2019-0013926

(32) Priority Date :01/02/2019

(33) Name of priority country :Republic of Korea

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

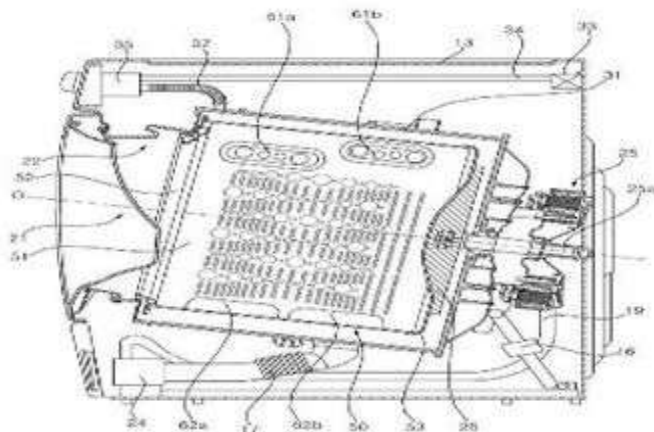
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG ELECTRONICS INC.
Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu,
Seoul 07336, Republic of Korea Republic of Korea

(72)Name of Inventor :
1)LEE HyeonSik
2)Junyoung KIM
3)LEE HONG MIN

(57) Abstract :

A laundry treating apparatus includes a drum and a lifter disposed on an inner circumferential surface of the drum and configured to rotate with the drum. The lifter includes a lifter frame installed on the inner circumferential surface of the drum and a frame cover coupled to the lifter frame. The lifter frame includes: a frame base coupled to the inner circumferential surface; a frame upper plate having a first water flow through-hole; and a frame sidewall that connects the frame upper plate to the frame base and that defines a second water flow through-hole. The frame cover includes: a cover upper plate having a water flow discharge hole configured to discharge, into the drum, washing water having passed through at least one of the first water flow through-hole or the second water flow through-hole; and a cover sidewall that extends from the cover upper plate to the frame base.



No. of Pages : 63 No. of Claims : 21

(54) Title of the invention : LAUNDRY TREATING APPARATUS

(51) International classification :D06F0037060000,
B01D0033500000,
F04D0025060000,
D06F0058040000,
H04B0001388800

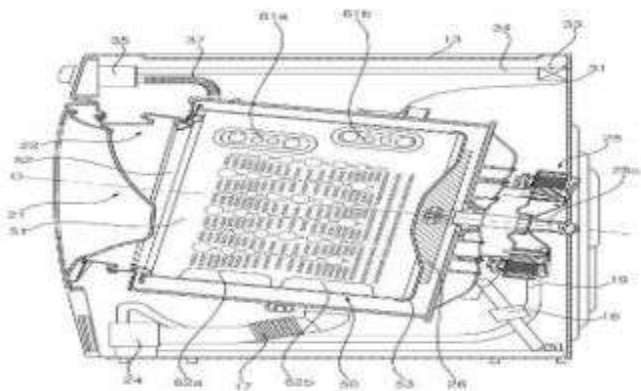
(31) Priority Document No :10-2019-0013924
(32) Priority Date :01/02/2019
(33) Name of priority country :Republic of Korea
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG ELECTRONICS INC.
Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu,
Seoul 07336, Republic of Korea Republic of Korea

(72)Name of Inventor :
1)LEE, Kil Ryong
2)KIM, Jun Young
3)LEE, Hong Min

(57) Abstract :

A laundry treating apparatus includes: a drum and a lifter that is disposed on an inner circumferential surface of the drum and that is configured to rotate with the drum. The lifter includes a lifter frame coupled to the drum and a frame cover that covers the lifter frame. The lifter frame includes: a frame base coupled to the inner circumferential surface of the drum; a frame upper plate spaced apart from the frame base in a direction toward an inside of the drum; a frame sidewall that connects the frame upper plate to the frame base; and a spacer that protrudes from the frame upper plate toward an inner surface of the frame cover and that allows the inner surface of the frame cover to be spaced apart from the frame upper plate.



No. of Pages : 59 No. of Claims : 26

(54) Title of the invention : DISPLACEMENT CONTROL WITH ANGLE SENSOR ADJUSTMENT

(51) International classification :E21B0019220000,
E21B0043160000,
F01B0003000000,
B60T0008420000,
F01L0009040000

(31) Priority Document No :201911003901

(32) Priority Date :31/01/2019

(33) Name of priority country :India

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

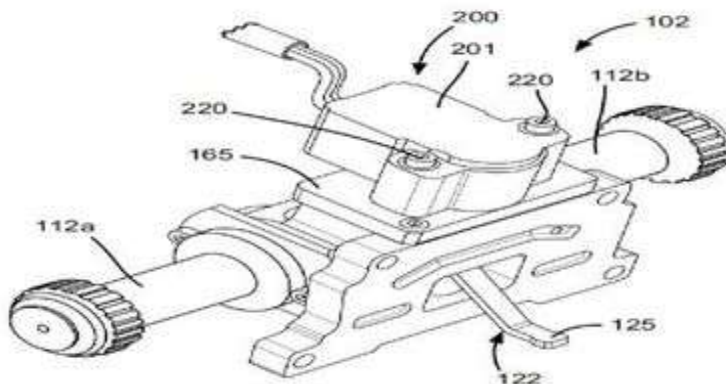
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)EATON INTELLIGENT POWER LIMITED
Address of Applicant :30 Pembroke Road Dublin 4, Ireland
Ireland

(72)Name of Inventor :
1)Anil Balasaheb Kharpas
2)Nirmaljeet Kulvindersingh Johal
3)Sanjay Dhondappa Mali
4)Avinash Dadaso Patil
5)Matthew Edward Creswick
6)Richard Randel Lyman

(57) Abstract :

Control systems and feedback assemblies for hydraulic axial displacement machines, such as pumps and motors. The control systems and feedback assemblies can have enhanced adjustability.



No. of Pages : 28 No. of Claims : 14

(54) Title of the invention : A SYSTEM FOR SECURE ACCELERATED RESOURCE ALLOCATION

(51) International classification :G01N0033533000,
H05B0031000000,
B01J0020286000,
C02F0003280000,
B63C0007260000

(31) Priority Document No :62/800,191
(32) Priority Date :01/02/2019
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)INNOVATION FINANCE USA LLC
Address of Applicant :30 Liftbridge Ln E #200 Fairport, New York 14450, United States of America U.S.A.

(72)Name of Inventor :
1)TOMASELLI, Mark
2)VERHELLE, JR., William H.

(57) Abstract :

Disclosed in some examples are methods, systems, devices, and machine-readable mediums that provide an ability for an entity to independently commence, advance, and complete a resource allocation offer in a matter of minutes as opposed to weeks or months after an automated resource pre-committal process. The system may have several phases, including a setup phase, resource pre-committal phase, an import phase, a processing phase, a verification phase, a resource allocation offer phase, and a resource allocation phase in which the system allocates resources to a vendor.

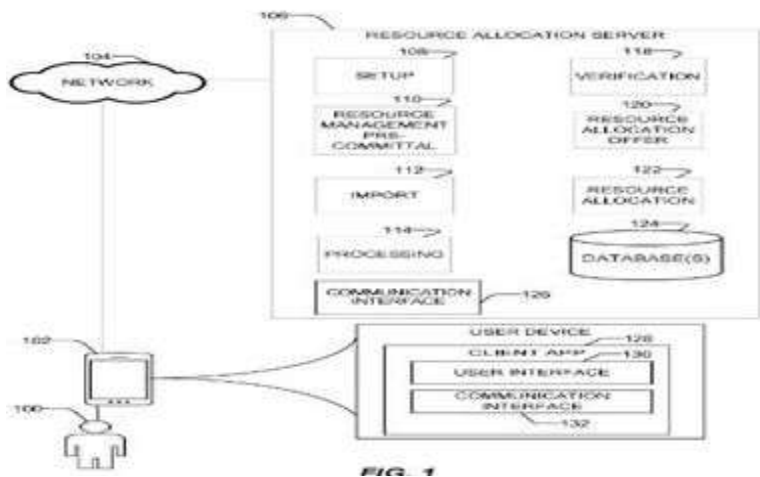


FIG. 1

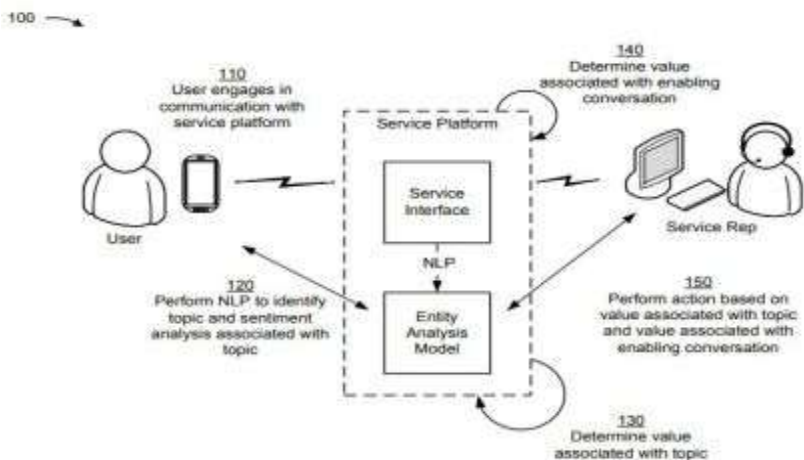
No. of Pages : 80 No. of Claims : 20

(54) Title of the invention : ANALYSIS OF A TOPIC IN A COMMUNICATION RELATIVE TO A CHARACTERISTIC OF THE COMMUNICATION

(51) International classification	:G06F0017210000, G06F0017240000, G06F0016930000, B41M0003140000, G06F0017220000	(71)Name of Applicant : 1)Capital One Services, LLC Address of Applicant :1680 Capital One Drive, McLean, VA 22102 U.S.A. U.S.A.
(31) Priority Document No	:16/269,373	(72)Name of Inventor : 1)BENKREIRA, Abdelkadar MTMHamed
(32) Priority Date	:06/02/2019	2)EDWARDS, Joshua
(33) Name of priority country	:U.S.A.	3)MOSSOBA, Michael
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device monitors a communication between a user associated with a user device and a service representative associated with a service representative device, and causes a natural language processing model to perform a natural language processing analysis of a user input of the communication to identify a topic associated with the communication. The device determines a first score associated with the topic, and determines a second score associated with enabling the communication, where the first score and second score indicate a service performance score of an entity. The device causes a sentiment analysis model to perform a sentiment analysis of the communication to determine a sentiment score indicating a level of satisfaction the user has relative to the topic. The device updates a transaction protocol associated with the topic based on the service performance score, and/or updates a communication processing protocol associated with the communication based on the sentiment score.



No. of Pages : 81 No. of Claims : 14

(54) Title of the invention : SUB-PHYSICAL RESOURCE BLOCK (SUB-PRB) TRANSMISSIONS OVER A PHYSICAL UPLINK SHARED CHANNEL (PUSCH)

(51) International classification :H04L 5/00, H04W 72/04

(31) Priority Document No :62/564911

(32) Priority Date :28/09/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2018/076432

Filing Date :28/09/2018

(87) International Publication No :WO 2019/063777

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :
1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 Address of Applicant :SE-164 83 Stockholm Sweden

(72)Name of Inventor :
1)MEDINA ACOSTA, Gerardo, Agni
2)WANG, Yi-Pin
3)BERGMAN, Johan
4)ERIKSSON, Anders

(57) Abstract :

A method, wireless device (16) and network node (14) for supporting sub- physical resource block (sub-PRB) transmissions over a physical uplink shared channel, PUSCH, are disclosed. According to one aspect, a method includes receiving an indication of a number of resource units (RU) to be used for performing sub-PRB transmissions over the PUSCH. The method further includes mapping the number of RUs to a number of physical resource blocks, PRBs and determining a transport block size, TBS, for a sub-PRB transmission over the PUSCH, based on the mapping of the number of RUs to the number of PRBs. The method also includes transmitting sub-PRB transmissions over the PUSCH according to the determined TBS on the number of RUs.

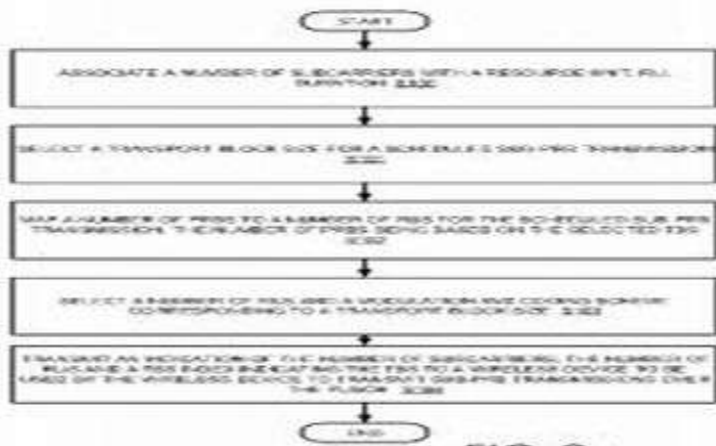


FIG. 8

No. of Pages : 30 No. of Claims : 24

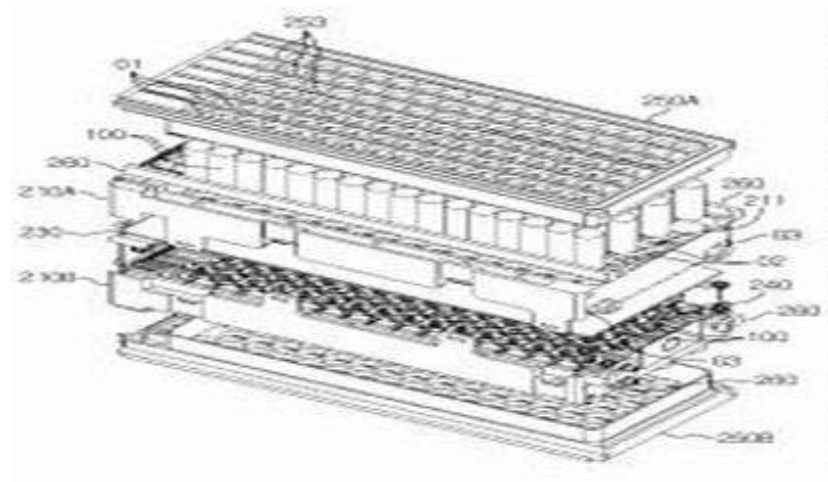
(54) Title of the invention : BATTERY MODULE HAVING GAS DISCHARGE STRUCTURE

(51) International classification :H01M 2/12, H01M 2/20, H01M 2/10
(31) Priority Document No :10-2018-0004908
(32) Priority Date :15/01/2018
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2019/000414
Filing Date :10/01/2019
(87) International Publication No :WO 2019/139385
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG CHEM, LTD.
Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(72)Name of Inventor :
1)AHN, Soo-Jun
2)CHOI, Bum
3)LEE, Jun-Ho
4)LEE, Tae-Gyu

(57) Abstract :

The present invention provides a battery module which can effectively prevent a secondary explosion of a cylindrical battery cell. In order to achieve the purpose described above, a battery module according to the present invention comprises: a plurality of cylindrical battery cells, each of which includes at least two electrode terminals formed at one end thereof and having different polarities; an upper case and a lower case, each of which includes a receiving portion having a space into which the cylindrical battery cells are inserted and received, a gas discharge passage extending in the front, rear, left and right directions and having an opening portion exposed to the outside so as to discharge gas discharged from the cylindrical battery cells to the outside, and a gas discharge opening formed to connect the gas discharge passage to the outside; a cover sheet interposed between the upper case and the lower case to cover the opening portion of the gas discharge passage; and a plurality of wire-type bus bars configured to establish electric contact and connection between the electrode terminals of the plurality of cylindrical battery cells.



No. of Pages : 37 No. of Claims : 14

(54) Title of the invention : NUCLEATED C3C4 COPOLYMERS

(51) International classification	:C08F 210/06, C08L 23/14	(71)Name of Applicant :
(31) Priority Document No	:18152753.2	1)BOREALIS AG
(32) Priority Date	:22/01/2018	Address of Applicant :Wagramer Strasse 17-19 1220 Vienna
(33) Name of priority country	:EPO	Austria
(86) International Application No	:PCT/EP2018/085385	(72)Name of Inventor :
Filing Date	:18/12/2018	1)WANG, Jingbo
(87) International Publication No	:WO 2019/141462	2)T-LTSCHE, Wilfried Peter
(61) Patent of Addition to Application	:NA	3)RESCONI, Luigi Maria
Number	:NA	4)BERGER, Friedrich
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A propylene copolymer composition comprising A) a propylene butylene copolymer which is -free of phthalic acid esters as well as decomposition products thereof; -obtained by a Ziegler-Natta catalyst and B) at least one α -nucleating agent, the propylene copolymer composition having -a MFR (2.16kg/210°C) in the range of 2 to 100 g/10min -a melting point $T_m(1)$ of less than 140°C -a melting point $T_m(2)$ of at least 150 °C, said $T_m(2)$ being associated with more than 75% of the total melting enthalpy and whereby the propylene copolymer -has monomer units derived from a) propylene in an amount of 90.0-98.0 mol.-% b) butylene in an amount of 2.0-10.0 mol.-% with respect to the total weight of the propylene butylene copolymer -an isotacticity mm% as determined by ¹³C NMR spectroscopy of below 99.0 %; and -a Koenig-B parameter with respect to butylene as determined by ¹³C NMR spectroscopy of more than 0.98.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017014704 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date : 07/08/2020

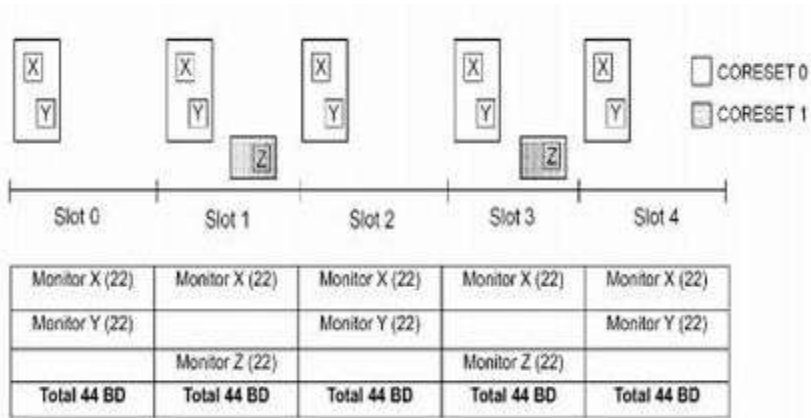
(54) Title of the invention : PDCCH MONITORING PERIODICITY

(51) International classification :H04L 5/00
 (31) Priority Document No :62/567075
 (32) Priority Date :02/10/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/IB2018/057618
 Filing Date :01/10/2018
 (87) International Publication No :WO 2019/069212
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 Address of Applicant :SE-164 83 SE-164 83 Stockholm Sweden
 (72)Name of Inventor :
1)BEHRAVAN, Ali
2)FALAHATI, Sorour
3)KOORAPATY, Havish
4)PARKVALL, Stefan

(57) Abstract :

According to some embodiments, a method in a network node for configuring monitoring occasions for use in a network node of a wireless communication network comprises determining a physical downlink control channel (PDCCH) search space monitoring configuration for a wireless device. The PDCCH search space monitoring configuration comprises a monitoring periodicity and a number of blind decodes for each search space of a plurality of search spaces over a plurality of slots. The method further comprises sending the monitoring configuration to the wireless device. A method in a wireless device comprises receiving the monitoring configuration and monitoring each search space according to the monitoring configuration.



No. of Pages : 20 No. of Claims : 40

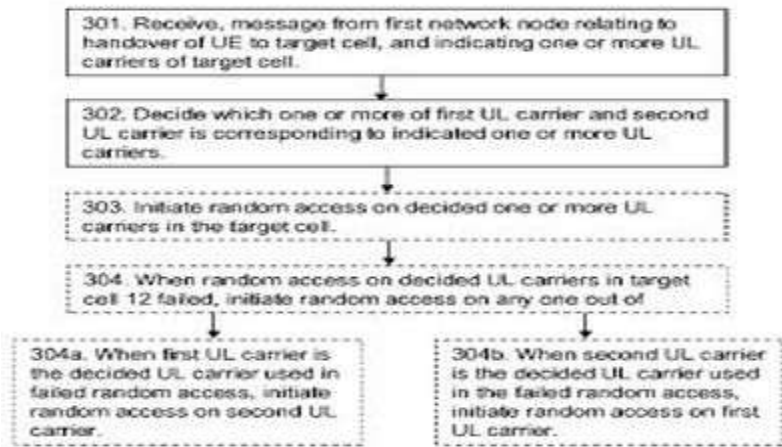
(54) Title of the invention : HANDOVER TO A TARGET CELL BEING A NR CELL INCLUDING A FIRST UPLINK (UL) CARRIER BEING A NR UL CARRIER AND A SECOND UL CARRIER BEING A SUPPLEMENTARY (SUL) CARRIER

(51) International classification :H04W 36/00, H04W 36/38
 (31) Priority Document No :62/586196
 (32) Priority Date :15/11/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/SE2018/051094
 Filing Date :26/10/2018
 (87) International Publication No :WO 2019/098902
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 Address of Applicant :164 83 Stockholm Sweden
 (72)Name of Inventor :
1)WANG, Min
2)LIU, Jinhua

(57) Abstract :

The present application relates to management of Uplink, UL, transmissions between a User Equipment, UE, and a second network node in a wireless communications network. The second network node serves a target cell comprising a first UL carrier and a second UL carrier, which may be a New Radio, NR, UL carrier and a Supplementary UL, SUL, carrier. The UE is initially served by a first network node and receives (301) a message from the first network node. The message relates to a handover of the UE to the target cell. The message comprises an indication indicating one or more UL carriers of the target cell. The UE then decides (302) which one or more out of the first UL carrier and the second UL carrier that is corresponding to the indicated one or more UL carriers. The decided one or more UL carriers are for random access in the target cell. When random access is initiated on one of the first or second UL carriers as the decided one or more UL carriers and it fails, random access is initiated on the other one of the second or first UL carriers.



No. of Pages : 35 No. of Claims : 22

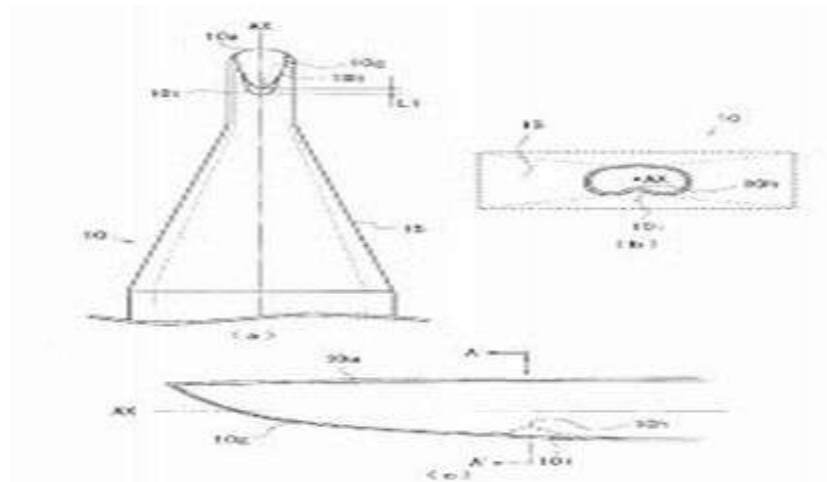
(54) Title of the invention : INTRAOCULAR LENS INSERTION INSTRUMENT

(51) International classification :A61F 2/16
 (31) Priority Document No :2017-175051
 (32) Priority Date :12/09/2017
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2018/033557
 Filing Date :11/09/2018
 (87) International Publication No :WO 2019/054353
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)KOWA COMPANY, LTD.
 Address of Applicant :6-29, Nishiki 3-chome, Naka-ku,
 Nagoya-shi, Aichi 4608625 Japan
 (72)Name of Inventor :
1)OBA, Norio
2)KOBAYASHI, Kenichi

(57) Abstract :

Provided is an intraocular lens insertion instrument that reduces the stress on ocular tissues and enables stable insertion of an intraocular lens. This intraocular lens insertion instrument has: a substantially-cylindrical insertion member which is to be inserted inside an eye; an opening which is provided to the leading end of the insertion member and through which an intraocular lens is injected into the eye; and an intraocular lens pressing member which pushes the intraocular lens so as to be moved within the insertion member and which injects the intraocular lens into the eye through the opening, wherein the opening direction of the opening is slanted with respect to the extension direction of the insertion member, a recess of a prescribed depth extending in the extension direction is provided to an outer peripheral surface of the insertion member at the insertion member rear end side of the opening, and when the insertion member is inserted in the eye and when the intraocular lens is moved within the insertion member, the recess undergoes elastic deformation causing the opening to expand or contract.



No. of Pages : 27 No. of Claims : 6

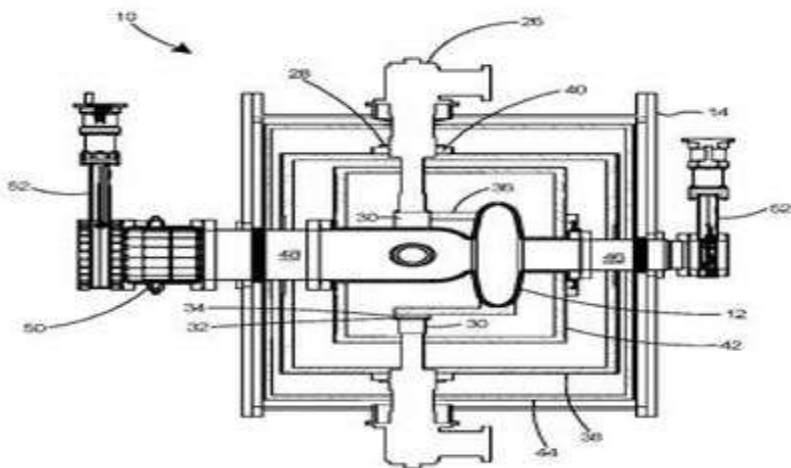
(54) Title of the invention : HIGH-CURRENT CONDUCTION COOLED SUPERCONDUCTING RADIO-FREQUENCY CRYOMODULE

(51) International classification :H05H 7/18, H05H 7/20, H05H 7/22
(31) Priority Document No :62/563274
(32) Priority Date :26/09/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/062016
Filing Date :20/11/2018
(87) International Publication No :WO 2019/079830
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JEFFERSON SCIENCE ASSOCIATES, LLC
Address of Applicant :12000 Jefferson Avenue Newport News, VA 23606 U.S.A.
(72)Name of Inventor :
1)CIOVATI, Gianluigi
2)SCHULTHEISS, Thomas, J.
3)RATHKE, John
4)RIMMER, Robert
5)MARHAUSER, Frank
6)HANNON, Fay
7)GUO, Jiquan

(57) Abstract :

A high-current, compact, conduction cooled superconducting radio-frequency cryomodule for particle accelerators. The cryomodule will accelerate an electron beam of average current up to 1 ampere in continuous wave (CW) mode or at high duty factor. The cryomodule consists of a single-cell superconducting radio-frequency cavity made of high-purity niobium, with an inner coating of Nb3Sn and an outer coating of pure copper. Conduction cooling is achieved by using multiple closed-cycle refrigerators. Power is fed into the cavity by two coaxial couplers. Damping of the high-order modes is achieved by a warm beam-pipe ferrite damper.



No. of Pages : 8 No. of Claims : 11

(54) Title of the invention : SYSTEMS AND METHODS TO PRODUCE LIQUID WATER EXTRACTED FROM AIR

(51) International classification :B01D 53/04, B01D 53/06, B01D 53/26, E03B 3/28

(31) Priority Document No :62/554231

(32) Priority Date :05/09/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2018/049398

Filing Date :04/09/2018

(87) International Publication No :WO 2019/050861

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

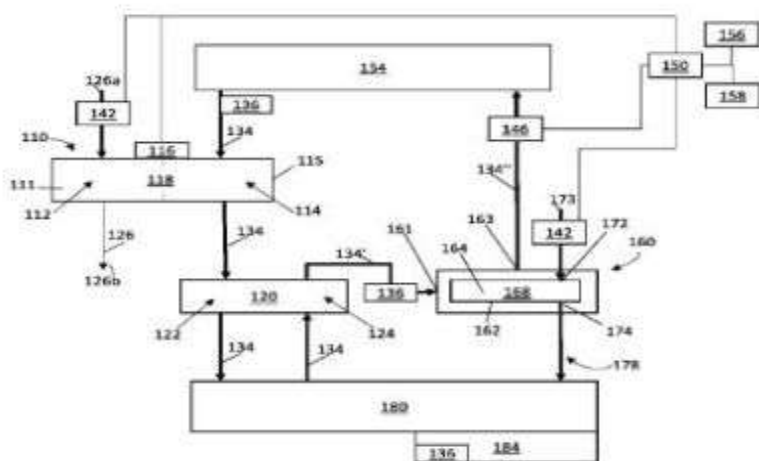
Filing Date :NA

(71)Name of Applicant :
1)ZERO MASS WATER, INC.
 Address of Applicant :6500 East McDowell Road Scottsdale, Arizona 85257 U.S.A.

(72)Name of Inventor :
1)SALLOUM, Kamil
2)LORZEL, Heath
3)ROBINSON, Michael
4)FRIESEN, Grant
5)GOLDBERG, Jonathan
6)FRIESEN, Cody

(57) Abstract :

This disclosure relates to techniques for producing liquid water from ambient air. In certain embodiments, a system includes a regeneration fluid pathway configured to receive a regeneration fluid and a thermal unit configured to heat the regeneration fluid. The system can further include a continuous desiccant unit that comprises an adsorption zone and a desorption zone, as well as a batch desiccant unit that includes a regeneration inlet and a batch desiccant housing. The batch desiccant housing can include a batch desiccant inlet configured to input the ambient air, a batch desiccant outlet configured to output a batch output fluid, and a batch desiccant material. A condenser unit can be configured to produce liquid water from the regeneration fluid, and the system can maximize a water production rate of the condenser unit based on an amount of heat carried by the regeneration fluid.



No. of Pages : 38 No. of Claims : 41

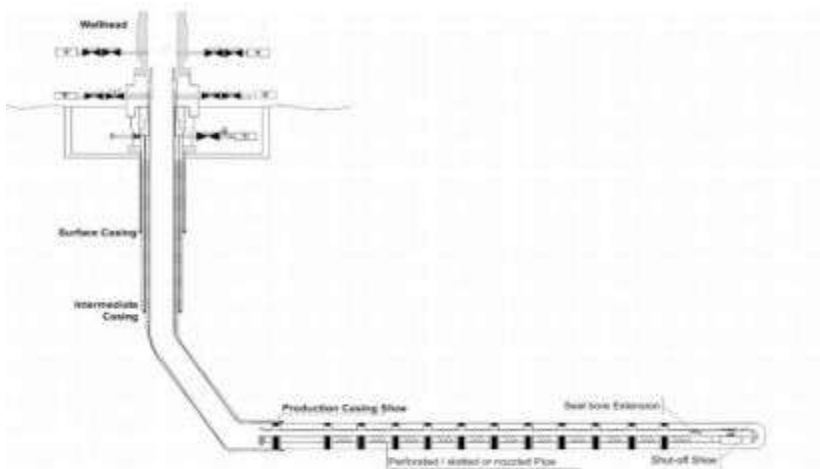
(54) Title of the invention : LINER FOR A WELLBORE

(51) International classification :E21B 43/10
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/IB2017/055881
 Filing Date :27/09/2017
 (87) International Publication No :WO 2019/064049
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)ABU DHABI NATIONAL OIL COMPANY
 Address of Applicant :P.O. Box 898 Abu Dhabi U.A.E.
 (72)Name of Inventor :
1)NEWTON, Daniel
2)BEAMAN, Daniel

(57) Abstract :

A liner for a wellbore having a sidewall in which one or more nozzles are formed is described, wherein the one or more nozzles are plugged by temporary plugs. Also described is a method of completing an open hole well that penetrates a subterranean formation in which a liner having a sidewall in which one or more nozzles are formed, wherein the one or more nozzles are plugged by temporary plugs, is deployed in the well such that the nozzles communicate with the formation.



No. of Pages : 10 No. of Claims : 10

(54) Title of the invention : REFRIGERATOR

(51) International classification :F25D 19/02, F25D 17/06, F25D 23/06, F25D 25/02

(31) Priority Document No :10-2017-0122610

(32) Priority Date :22/09/2017

(33) Name of priority country :Republic of Korea

(86) International Application No :PCT/KR2018/011076

Filing Date :19/09/2018

(87) International Publication No :WO 2019/059651

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

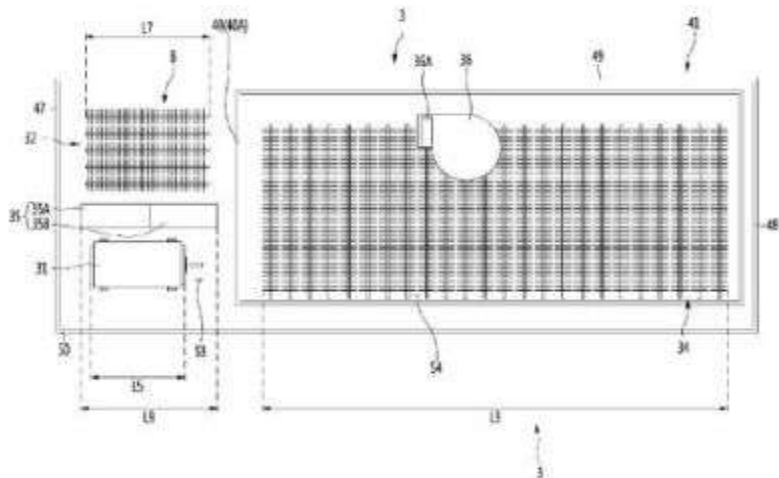
Filing Date :NA

(71)Name of Applicant :
1)LG ELECTRONICS INC.
 Address of Applicant :128, Yeoui-daero Yeongdeungpo-gu
 Seoul 07336 Republic of Korea

(72)Name of Inventor :
1)BAIK, Wookyung
2)PARK, Jeongwon
3)KIM, Kyungseok

(57) Abstract :

A refrigerator comprises: a main body having a storage chamber and a cooling module accommodation space; a cooling module disposed in the cooling module accommodation space and having a heat-absorption part and a heat-dissipating part; a drawer supporter disposed inside the storage chamber; and a drawer supported on the drawer supporter. An inner channel, through which cold air flowing from the heat-absorption part passes, is formed inside the drawer supporter. A plurality of cold air discharge ports, for discharging the cold air from the inner channel in the opposite directions from one another, are formed on the drawer supporter. Therefore, the depth of the storage chamber in the forward-backward direction can be maximized while the number of components is minimized, and the entire storage chamber can be cooled evenly.



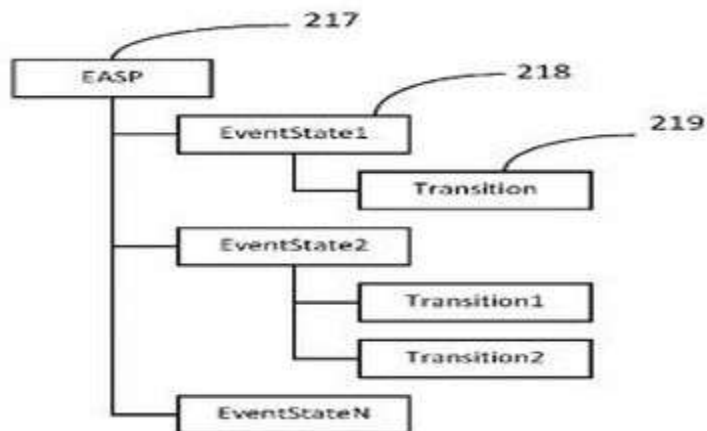
No. of Pages : 55 No. of Claims : 20

(54) Title of the invention : INTERNET OF THINGS CONFIGURABLE EVENT AND ACTION SEQUENCING FRAMEWORK

(51) International classification :H04L 29/08, H04W 4/38, H04W 4/70
 (31) Priority Document No :62/554753
 (32) Priority Date :06/09/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2018/049669
 Filing Date :06/09/2018
 (87) International Publication No :WO 2019/051028
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)CONVIDA WIRELESS, LLC
 Address of Applicant :200 Bellevue Parkway Suite 300
 Wilmington, DE 19809-3727 U.S.A.
 (72)Name of Inventor :
1)LY, Quang
2)SEED, Dale, N.
3)CHEN, Zhuo
4)FLYNN, William, Robert
5)MLADIN, Catalina, Mihaela
6)DIGIROLAMO, Rocco
7)LOEB, Shoshana
8)LI, Hongkun

(57) Abstract :
 Internet of Things (IoT) configurable event and action sequencing mechanisms for interconnecting various IoT events together to achieve an event and action sequencing process that may efficiently enable complex uses of the data available in IoT systems.



No. of Pages : 51 No. of Claims : 15

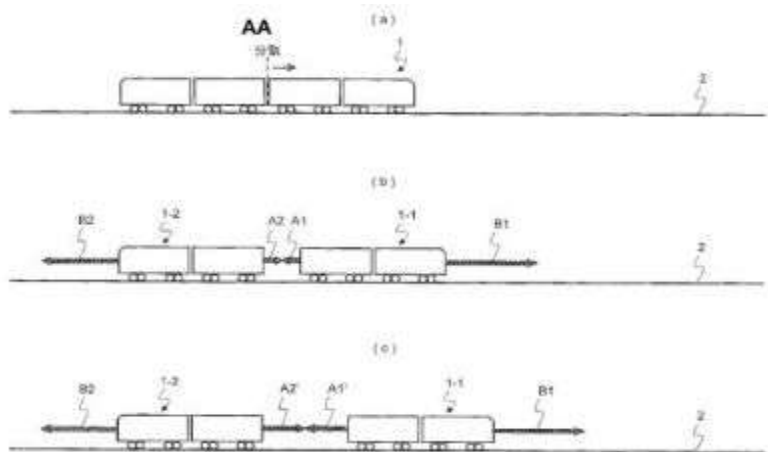
(54) Title of the invention : TRAIN CONTROL SYSTEM

(51) International classification :B61L 23/18, B60L 15/40
(31) Priority Document No :2017-186247
(32) Priority Date :27/09/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/035712
Filing Date :26/09/2018
(87) International Publication No :WO 2019/065743
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)THE NIPPON SIGNAL CO., LTD.
Address of Applicant :5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1006513 Japan
(72)**Name of Inventor :**
1)KATO, Hideyuki
2)SHIRAI, Toshihito

(57) Abstract :

Provided is a train control system with which safe train control is possible when a train consist is split, even if train cars are in close proximity. This train control system performs communication between train cars and above-ground facilities, and operates and controls the train cars. This train control system is characterized in that when a train consist is split, for-division safety zones, which do not overlap each other and which extend in correspondence with the distance of separation between a leading train car and a trailing train car, are set to the leading train car and the trailing train car, and when safety in these safety zones is not guaranteed, the train consist is brought to an emergency stop.



No. of Pages : 14 No. of Claims : 8

(54) Title of the invention : SYSTEMS AND METHODS FOR MANAGING PRODUCTION AND DISTRIBUTION OF LIQUID WATER EXTRACTED FROM AIR

(51) International classification :G05B 15/02, B01D 5/00, B60H 1/00, E03B 3/28

(31) Priority Document No :62/554176

(32) Priority Date :05/09/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2018/049411

Filing Date :04/09/2018

(87) International Publication No :WO 2019/050866

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

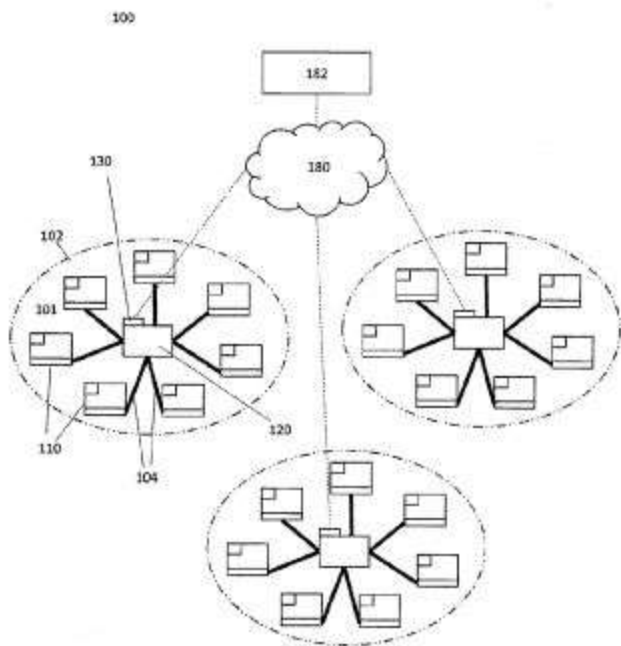
Filing Date :NA

(71)Name of Applicant :
1)ZERO MASS WATER, INC.
 Address of Applicant :6500 East McDowell Road Scottsdale, Arizona 85257 U.S.A.

(72)Name of Inventor :
1)FRIESEN, Cody
2)GOLDBERG, Jonathan
3)FRIESEN, Grant

(57) Abstract :

This disclosure relates to systems and methods for managing production and distribution of liquid water extracted from air. In certain embodiments, a system is provided that includes a plurality of local water generation units (110) including a first local water generation unit and a second local water generation unit. The first and second water generation units each include a controller that is configured to control a production rate of liquid water extracted from the air, a local water collection unit, and a local transceiver. A principal water supply unit (120) is in fluid communication with at least one of the local water collection units. The principal water supply unit is configured to store at least part of the liquid water extracted from the air and to maintain a principal water level at a reservoir of the principal water supply unit based on one or more operational parameters for water distribution.



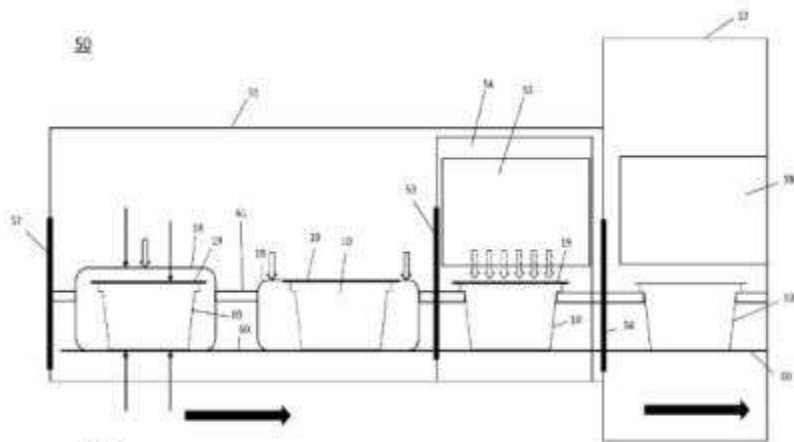
No. of Pages : 42 No. of Claims : 29

(54) Title of the invention : METHOD AND DEVICE FOR FLEXIBALLY TREATING PHARMACEUTICAL PACKAGES

(51) International classification	:B65B 3/00, A61J 1/16, B01L 9/06, B01L 9/00, B65D 25/10	(71)Name of Applicant : 1)SCHOTT AG Address of Applicant :Hattenbergstrae 10 55122 Mainz Germany
(31) Priority Document No	:10 2017 124 908.7	(72)Name of Inventor :
(32) Priority Date	:24/10/2017	1)DEUTSCHLE, Gregor Fritz
(33) Name of priority country	:Germany	2)BUSIMI, Anil Kumar
(86) International Application No	:PCT/EP2018/079026	3)KIMMERLE, Bertram
Filing Date	:23/10/2018	4)KLOKE, Arne
(87) International Publication No	:WO 2019/081502	5)ST-CKER, Fabian
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for treating or processing containers (1; 8; 80) which serve or contain substances for storing substances for medical, pharmaceutical or cosmetic applications. Said method comprises the following steps: providing a plurality of transport and packaging containers (10), each comprising a support (20) in which a plurality of containers is maintained, the transport and packaging containers being box-shaped and packaged in a packaging unit (18); opening the packaging unit (18); conveying the transport and packaging containers (10) by means of a conveying device (60) to a processing station (57) and removing the containers from the transport and packaging containers (10) in the processing station (57); treating or processing the containers in the processing station (57), wherein the treatment or processing of the containers consists of at least filling the containers with a substance for medical, pharmaceutical or cosmetic applications; according to said method, bottles (1), carpules (8) or syringe bodies (80) are maintained on the respective support (20) as a container, a total height (h) of the transport and packaging container (10) and/or a height (h1) of a level (13) close to an upper edge of the transport and packaging container is kept constant, independently of whether the bottles (1), carpules (8) or syringe bodies (80) are maintained on the respective support (20), and/or independently of the sizes and/or nominal volumes of the containers maintained on the respective support (20).



No. of Pages : 23 No. of Claims : 24

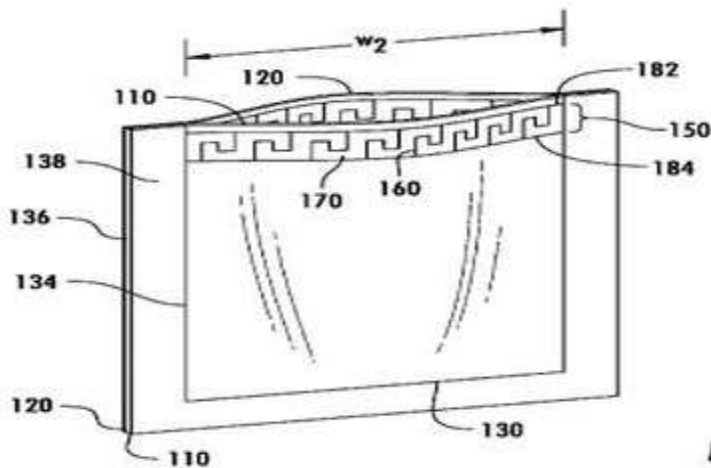
(54) Title of the invention : RECLOSABLE PACKAGES WITH TUNABLE SEAL GEOMETRY

(51) International classification :B65D 33/20
 (31) Priority Document No :62/562061
 (32) Priority Date :22/09/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2018/051932
 Filing Date :20/09/2018
 (87) International Publication No :WO 2019/060531
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)DOW GLOBAL TECHNOLOGIES LLC
 Address of Applicant :2040 Dow Center Midland, Michigan
 48674 U.S.A.
2)ROHM AND HAAS COMPANY
 (72)Name of Inventor :
1)KALIHARI, Vivek
2)LAI, Chuan-Yar
3)SPIEKERMANN, Erica
4)SERRAT, Cristina
5)BLACK, Marc S.
6)WOODMAN, Daniel S.
7)SCHUETTE, Chad V.
8)SONI, Piyush
9)WU, Xiaosong
10)HIMMELBERGER, Daniel W.
11)YADAV, Vinita

(57) Abstract :

The present disclosure is directed to reclosable packages comprising a front wall, a rear wall, and a closure region proximate to an outer edge of the container opposite a bottom of the container. The closure region includes a plurality of seal regions forming a continuous seal between the front wall and the rear wall across a width of the package and at least one of the seal regions is nonlinear. The closure region further includes at least one unsealed region defined between the seal regions. In some reclosable packages, the application of an opening force proximate to the closure region is operable to break the continuous seal between the front wall and the rear wall across a width of the package. The seal geometry may be tuned to adjust the magnitude of opening force required.



No. of Pages : 47 No. of Claims : 12

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING FREQUENCY HOPPING OF CHANNEL, AND COMPUTER STORAGE MEDIUM

(51) International classification	:H04B 7/12, H04W 16/02	(71)Name of Applicant :
(31) Priority Document No	:PCT/CN2017/101093	1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(32) Priority Date	:08/09/2017	Address of Applicant :No.18 Haibin Road, Wusha, Chang'an Dongguan, Guangdong 523860 China
(33) Name of priority country	:China	(72)Name of Inventor :
(86) International Application No	:PCT/CN2018/097114	1)LIN, Yanan
Filing Date	:25/07/2018	
(87) International Publication No	:WO 2019/047629	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are a method and apparatus for determining frequency hopping of a channel, and a computer storage medium. The method comprises: a terminal determining a first bandwidth size corresponding to a bandwidth segment, with the first bandwidth size corresponding to the bandwidth segment being less than or equal to a carrier bandwidth size; the terminal determining, based on the first bandwidth size corresponding to the bandwidth segment, a frequency hopping step length corresponding to an uplink channel; and the terminal determining, based on the frequency hopping step length corresponding to the uplink channel, a frequency-domain position for transmitting the uplink channel.



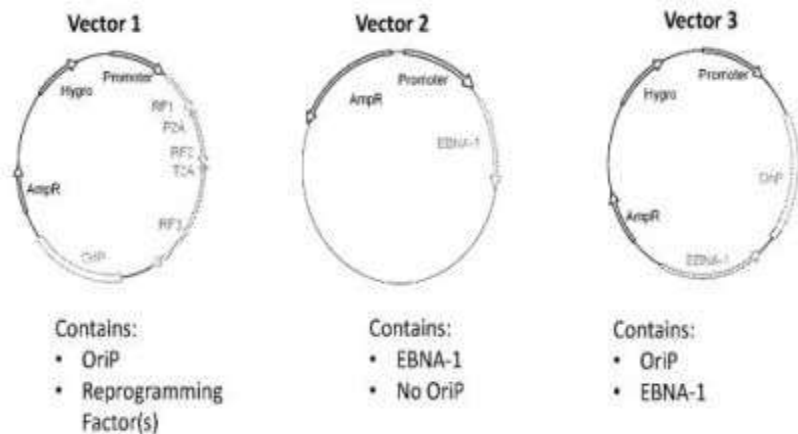
No. of Pages : 24 No. of Claims : 40

(54) Title of the invention : CELLULAR REPROGRAMMING USING TEMPORAL AND TRANSIENT PLASMID VECTOR EXPRESSION SYSTEM

<p>(51) International classification :C12N 5/074, C07K 14/005, C07K 14/47</p> <p>(31) Priority Document No :62/571105</p> <p>(32) Priority Date :11/10/2017</p> <p>(33) Name of priority country :U.S.A.</p> <p>(86) International Application No :PCT/US2018/055208</p> <p style="padding-left: 20px;">Filing Date :10/10/2018</p> <p>(87) International Publication No :WO 2019/075057</p> <p>(61) Patent of Addition to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p>	<p>(71)Name of Applicant : 1)FATE THERAPEUTICS, INC. Address of Applicant :3535 General Atomics Court Suite 200 San Diego, CA 92121 U.S.A.</p> <p>(72)Name of Inventor : 1)VALAMEHR, Bahram 2)ROBINSON, Megan</p>
--	---

(57) Abstract :

Provided are methods and compositions for inducing the reprogramming of a non-pluripotent to an iPSC having desirable properties using a vector system providing transient and temporal expression of transgenes that are short-lived. Also provided are reprogramming cells and iPSC populations or clonal cell lines using the provided reprogramming methods and compositions. Further provided are genome-engineered iPSCs and derived cells redifferentiated therefrom to comprise targeted editing involving insertions and deletions in one or more selected genomic loci.



No. of Pages : 73 No. of Claims : 65

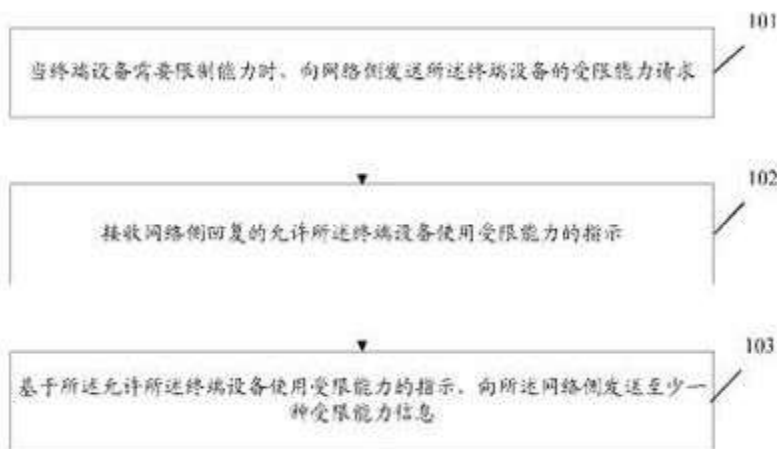
(54) Title of the invention : METHOD FOR RESTRICTING CAPABILITY OF TERMINAL DEVICE, TERMINAL DEVICE, AND NETWORK DEVICE

(51) International classification :H04W 76/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2017/106759
Filing Date :18/10/2017
(87) International Publication No :WO 2019/075676
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
Address of Applicant :No.18 Haibin Road, Wusha, Chang'an Dongguan, Guangdong 523860 China
(72)Name of Inventor :
1)YANG, Ning

(57) Abstract :

Disclosed in the present application are a method for restricting a capability of a terminal device, the terminal device, a network device, and a computer storage medium. The method comprises: when a capability of a terminal device needs to be restricted, sending a restricted capability request of the terminal device to a network side; receiving an instruction that allows the terminal device to use the restricted capability and that is replied by the network side; and sending at least one kind of restricted capability information to the network side according to the instruction that allows the terminal device to use the restricted capability.



No. of Pages : 24 No. of Claims : 15

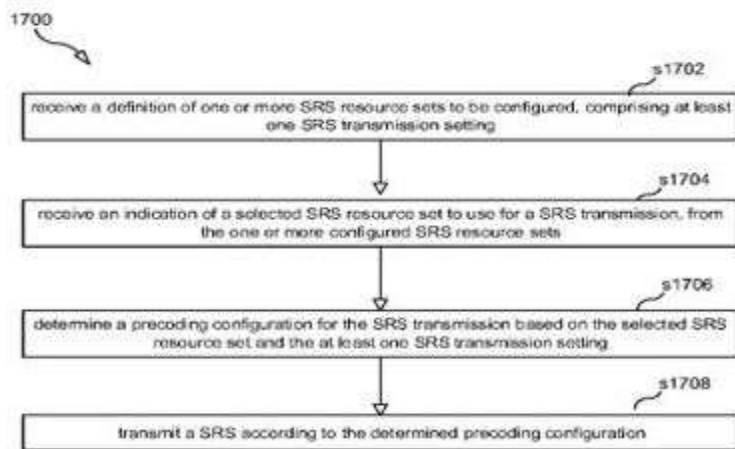
(54) Title of the invention : SOUNDING REFERENCE TRANSMISSION

(51) International classification :H04B 7/02, H04W 72/04
 (31) Priority Document No :62/566604
 (32) Priority Date :02/10/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2018/076649
 Filing Date :01/10/2018
 (87) International Publication No :WO 2019/068643
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 Address of Applicant :SE-164 83 Stockholm Sweden
 (72)Name of Inventor :
1)FAX%R, Sebastian
2)NILSSON, Andreas

(57) Abstract :

A method, wireless device (100) and network node (200) for for performing sounding reference signal, SRS, transmission. According to one aspect a method includes receiving a definition of one or more SRS resource sets to be configured, comprising at least one SRS transmission setting. The method further includes receiving an indication of a selected SRS resource set to use for a SRS transmission, from the one or more configured SRS resource sets and determining a precoding configuration for the SRS transmission based on the selected SRS resource set and the at least one SRS transmission setting. The method also includes transmitting a SRS according to the determined precoding configuration.



No. of Pages : 62 No. of Claims : 23

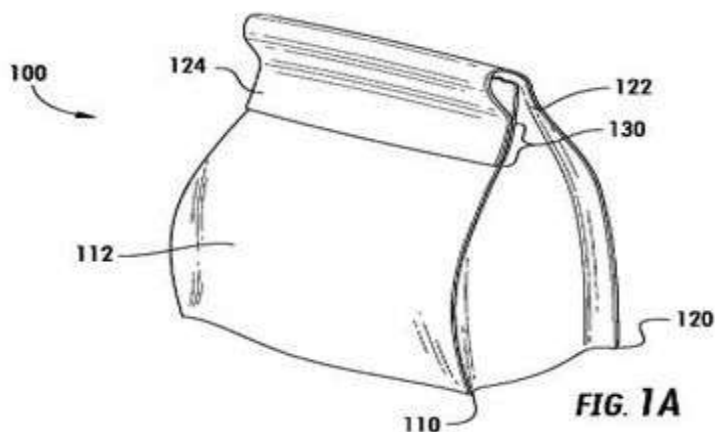
(54) Title of the invention : RECLOSABLE LAP SEAL PACKAGES

(51) International classification :B65D 33/20
(31) Priority Document No :62/562064
(32) Priority Date :22/09/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/052108
Filing Date :21/09/2018
(87) International Publication No :WO 2019/060652
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DOW GLOBAL TECHNOLOGIES LLC
Address of Applicant :2040 Dow Center Midland, Michigan 48674 U.S.A.
2)ROHM AND HAAS COMPANY
(72)Name of Inventor :
1)KALIHARI, Vivek
2)LAI, Chuan-Yar
3)SPIEKERMANN, Erica
4)SERRAT, Cristina
5)BLACK, Marc S.
6)WOODMAN, Daniel S.
7)SCHUETTE, Chad V.
8)SONI, Piyush
9)WU, Xiaosong
10)HIMMELBERGER, Daniel W.
11)YADAV, Vinita
12)PEREIRA, Bruno Rufato

(57) Abstract :

The present disclosure is directed to a reclosable package comprises a front wall, a rear wall, and an upper closure. At the upper closure, at least a portion of a surface of the rear wall is sealed to an exterior surface of the front wall at a first adhesion strength. According to embodiments, the application of a force greater than the first adhesion strength to the rear wall in a direction away from the front wall is operable to separate the portion of a surface of the rear wall from the exterior surface of the front wall. After, the return of the portion of the surface of the rear wall and an application of a force on the rear wall in the direction of the front wall is operable to reseal the portion of the interior surface of the rear wall to the exterior surface of the front wall.



No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017014778 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LOW WASHCOAT LOADING SINGLE LAYER CATALYST FOR GASOLINE EXHAUST GAS CLEANING APPLICATIONS

(51) International classification :B01J 23/63, B01J 35/04, B01J 37/02, B01D 53/94, F01N 3/10

(31) Priority Document No :62/563662

(32) Priority Date :27/09/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2018/051938
Filing Date :20/09/2018

(87) International Publication No :WO 2019/067299

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JOHNSON MATTHEY PUBLIC LIMITED COMPANY
Address of Applicant :5th Floor 25 Farringdon Street London EC4A 4AB U.K.

2)CHEN, Hai-Ying

(72)Name of Inventor :
1)CHEN, Hai-Ying
2)CHEN, Hai-Ying
3)CHANG, Hsiao-Lan
4)HALES, Michael
5)KOO, Kwangmo

(57) Abstract :

A three-way catalyst article, and its use in an exhaust system for internal combustion engines, is disclosed. The catalyst article for treating exhaust gas comprising: a substrate; and a single catalyst layer deposited directly on the substrate; wherein the single catalyst layer comprises a first platinum group metal (PGM) component, an oxygen storage component (OSC) material, and an inorganic oxide; and wherein the single catalyst layer has a total washcoat loading of less than 0.15 g/cm³ (2.4 g/in³).

No. of Pages : 13 No. of Claims : 27

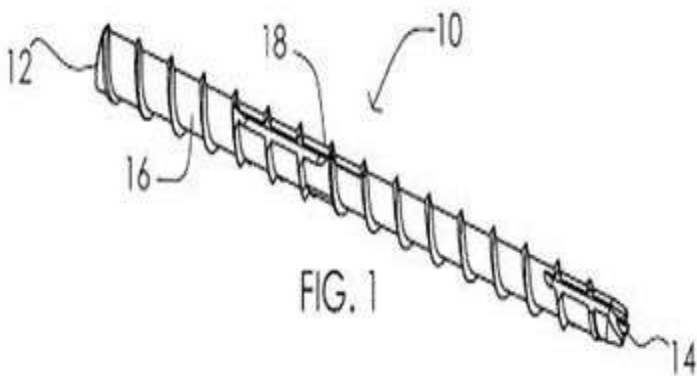
(54) Title of the invention : INTRAMEDULLARY THREADED NAIL FOR RADIAL CORTICAL FIXATION

(51) International classification :A61B 17/72, A61B 17/68, A61B 17/86
 (31) Priority Document No :62/554123
 (32) Priority Date :05/09/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2018/049342
 Filing Date :04/09/2018
 (87) International Publication No :WO 2019/050833
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)EXSOMED CORPORATION
 Address of Applicant :135 Columbia, Suite 201 Aliso Viejo, California 92656 U.S.A.
 (72)Name of Inventor :
1)CHAMPAGNE, Lloyd P.
2)ZOLDOS, Jozef
3)BRIGANTI, Richard T.
4)LEITHER, Andrew J.

(57) Abstract :

The present invention relates to a device and system for fixation of intra-articular and extra-articular fractures and non-unions of small bones and other small bone fragments, and more particularly to a threaded nail with a robust length and a distal end with a cutting tip and longitudinal cutting flutes and a stepped diameter with cutting flutes at the transition point, and an optional cannulation along the central longitudinal axis of the nail.



No. of Pages : 11 No. of Claims : 24

(54) Title of the invention : STATOR, MOTOR, AND COMPRESSOR

(51) International classification :H02K 3/46, H02K 1/12, H02K 1/18, H02K 3/34

(31) Priority Document No :2017-198669

(32) Priority Date :12/10/2017

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2018/037350

Filing Date :05/10/2018

(87) International Publication No :WO 2019/073921

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

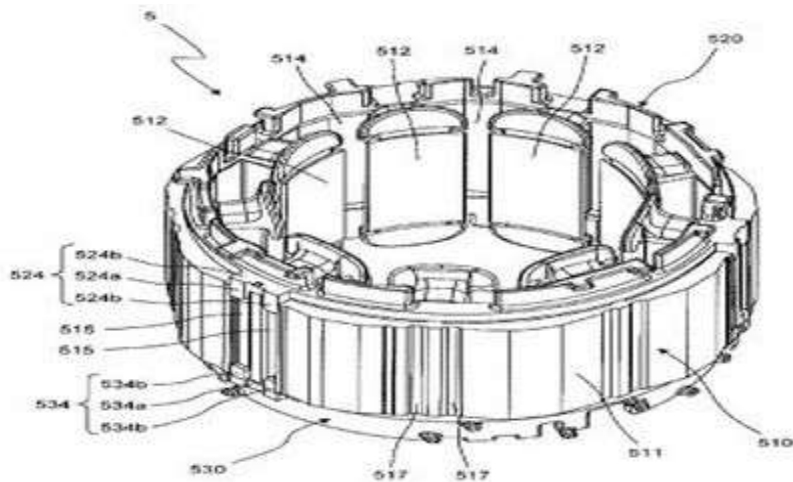
Filing Date :NA

(71)Name of Applicant :
1)DAIKIN INDUSTRIES, LTD.
 Address of Applicant :Umeda Center Building, 4-12, Nakazaki-Nishi 2-Chome, Kita-ku, Osaka-shi, Osaka 5308323 Japan

(72)Name of Inventor :
1)SUMITOMO, Hisato
2)HORI, Takanori
3)NISHIJIMA, Kiyotaka

(57) Abstract :

A stator comprises an annular back yoke (511), a stator core (510) having a plurality of teeth (512) that protrude radially inward from the back yoke (511) and that are arrayed with gaps opened therebetween in the circumferential direction, and insulators (520, 530) sandwiching the stator core (510) from both sides in the axial direction. Fitting grooves (515) are axially provided on the outer-circumference side of the back yoke (511) so as to circumferentially flank the position of a crimp (513) across a gap, the crimp joining laminated steel panels of the back yoke (511). Projections (524b, 534b) that fit in the fitting grooves (515) of the back yoke (511) are provided on the outer-circumference side of the insulators (520, 530).



No. of Pages : 36 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017014783 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date : 07/08/2020

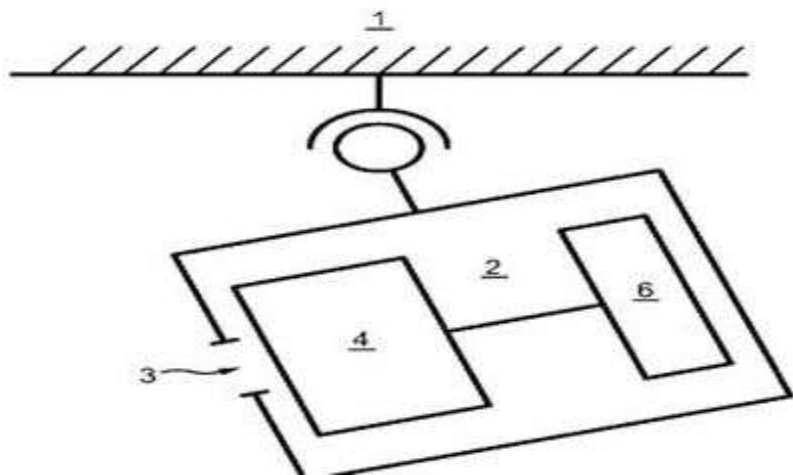
(54) Title of the invention : TARGET TRACKING DEVICE COMPRISING A PHOTODETECTOR WITH QUADRANTS

(51) International classification :G01S 3/786
(31) Priority Document No :17/00947
(32) Priority Date :19/09/2017
(33) Name of priority country :France
(86) International Application No :PCT/EP2018/075367
Filing Date :19/09/2018
(87) International Publication No :WO 2019/057783
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SAFRAN ELECTRONICS & DEFENSE
Address of Applicant :18/20 Quai du Point du Jour 92100
BOULOGNE-BILLANCOURT France
(72)Name of Inventor :
1)DAVENEL, Arnaud
2)FERQUEL, Romain

(57) Abstract :

The present invention concerns a target tracking device (2), the device comprising an optical system (4) and a photodetector (6) with quadrants (Q1-Q4), wherein the optical system (4) is configured to project a light beam coming from the target onto a spot on at least one of the quadrants (Q1-Q4), and the photodetector (6) is configured to estimate a current position of the spot by weighting light energies received by the quadrants (Q1-Q4). The optical system (4) comprises an optical device (10) configured in order, when the spot is entirely contained in just one of the quadrants (Q1-Q4), to enlarge the spot. The invention also concerns a tracking method capable of being implemented by this tracking device.



No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017014804 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ELECTRO-DEPOSITION METHOD FOR PRODUCING METALLIC SILVER

(51) International classification :C25C 1/20
(31) Priority Document No :201710958259.0
(32) Priority Date :16/10/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2018/103810
Filing Date :03/09/2018
(87) International Publication No :WO 2019/076151
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES
Address of Applicant :No. 1 Zhongguancun North Second Street, Haidian District Beijing 100190 China
(72)**Name of Inventor :**
1)ZHANG, Hui
2)QI, Tao

(57) Abstract :

Disclosed is an electro-deposition method for producing metallic silver, comprising: use an electrolytic cell having a specific diaphragm to electrolyze Ce(NO₃)₃-containing anode zone electrolyte and AgNO₃-containing cathode zone electrolyte, wherein the electrolyte in the anode zone cannot enter the cathode zone; high-purity metallic silver is obtained at the cathode zone, and a Ce⁴⁺-containing solution is obtained at the anode zone after the electrolysis.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018619 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING DIFFUSE LARGE B CELL LYMPHOMA

(51) International classification	:A61K 31/519, A61K 39/395, A61P 35/00	(71)Name of Applicant :
(31) Priority Document No	:62/571870	1)MERCK SHARP & DOHME CORP.
(32) Priority Date	:13/10/2017	Address of Applicant :126 East Lincoln Avenue Rahway, NJ
(33) Name of priority country	:U.S.A.	07065 U.S.A.
(86) International Application No	:PCT/US2018/055667	2)AMGEN INC.
Filing Date	:12/10/2018	(72)Name of Inventor :
(87) International Publication No	:WO 2019/075366	1)ZIMMERMAN, Zachary
(61) Patent of Addition to Application Number	:NA	2)ZHANG, Xiaohong, Alicia
Filing Date	:NA	3)HOLLAND, Peter, Christopher
(62) Divisional to Application Number	:NA	4)FRANKLIN, Janet
Filing Date	:NA	5)FRIBERG, Gregory

(57) Abstract :

Methods and compositions for treating diffuse large B cell lymphoma (DLBCL) using a combination of blinatumomab and/or a blinatumomab variant and pembrolizumab, a pembrolizumab variant and/or an antigen-binding fragment thereof, are provided.

No. of Pages : 79 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018620 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DEVICE FOR DAMPING VIBRATIONS IN A STRUCTURE

(51) International classification	:F16F 15/22, F16F 7/10, E04B 1/98, F03D 7/02
(31) Priority Document No	:17306515.2
(32) Priority Date	:02/11/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/079753
Filing Date	:30/10/2018
(87) International Publication No	:WO 2019/086482
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SOLETANCHE FREYSSINET

Address of Applicant :280 avenue Napolon Bonaparte 92500

RUEIL MALMAISON France

(72)Name of Inventor :

1)STAROSSEK, Uwe

(57) Abstract :

The invention relates to a device for damping vibrations in a structure, comprising a first element (2) rotatably mounted around a rotational axis (3) and a second element (4) rotatably mounted around said rotational axis (3), a radius (R1) of a circle portion (10) delimitating the first element with respect to the rotational axis, being smaller than a radius (r2) of a circle portion (16) delimitating the second element with respect to the rotational axis, the first element being called inner element, and the second element being called outer element.

No. of Pages : 14 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018621 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TYPE V CRISPR/CAS EFFECTOR PROTEINS FOR CLEAVING SSDNAS AND DETECTING TARGET DNAS

(51) International classification :C12N 9/22, C12N
15/11, C12Q 1/68
(31) Priority Document No :62/590106
(32) Priority Date :22/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/062052
Filing Date :20/11/2018
(87) International Publication No :WO 2019/104058
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Address of Applicant :1111 Franklin Street, 12th Floor
Oakland, CA 94607 U.S.A.

(72)Name of Inventor :

1)DOUDNA, Jennifer, A.

2)CHEN, Janice, S.

3)HARRINGTON, Lucas, Benjamin

4)MA, Enbo

(57) Abstract :

Provided are compositions and methods for detecting a target DNA (double stranded or single stranded) in a sample. In some embodiments, a subject method includes: (a) contacting the sample with: (i) a type V CRISPR/Cas effector protein (e.g., a Cas12 protein such as Cas12a, Cas12b, Cas12c, Cas12d, Cas12e); (ii) a guide RNA (comprising a region that binds to the type V CRISPR/Cas effector protein, and a guide sequence that hybridizes with the target DNA); and (iii) a detector DNA that is single stranded (i.e., a single stranded detector DNA) and does not hybridize with the guide sequence of the guide RNA; and (b) measuring a detectable signal produced by cleavage (by the type V CRISPR/Cas effector protein) of the single stranded detector DNA. Also provided are compositions and methods for cleaving single stranded DNAs (e.g., non-target ssDNAs), e.g., inside of a cell.

No. of Pages : 92 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018626 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ALL-IN-ONE LYOPHILIZED MULTIVITAMIN EMULSION FOR PARENTERAL APPLICATION

(51) International classification	:A61K 9/00, A61K 9/107, A61K 9/19, A61K 47/44, A61K 31/07	(71)Name of Applicant : 1)FRESENIUS KABI DEUTSCHLAND GMBH Address of Applicant :Else-Krner-Strasse 1 61352 Bad Homburg Germany
(31) Priority Document No	:17198322.4	(72)Name of Inventor :
(32) Priority Date	:25/10/2017	1)ASSEGEHEGN, Getachew
(33) Name of priority country	:EPO	2)BRITO DE LA FUENTE, Edmundo
(86) International Application No	:PCT/EP2018/078904	3)GALLEGOS-MONTES, Crispulo
Filing Date	:22/10/2018	4)QUINCHIA BUSTAMANTE, Lida A.
(87) International Publication No	:WO 2019/081435	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to lyophilized products and reconstituted emulsions for parenteral application, which comprise all the 13 essential vitamins (A, D, E, K1, C, B1, B2, B3, B5, B6, B7, B9, and B12) in a single container, as well as to methods for preparing them.

No. of Pages : 58 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018630 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : RAPID ONSET AND EXTENDED ACTION PLANT-BASED AND SYNTHETIC CANNABINOID FORMULATIONS

(51) International classification :A61K 36/88, A61K 36/906
(31) Priority Document No :62/568705
(32) Priority Date :05/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/054733
Filing Date :05/10/2018
(87) International Publication No :WO 2019/071213
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)RECEPTOR HOLDINGS, INC.

Address of Applicant :1420 5th Ave., Suite 4200 Seattle, Washington 98101 U.S.A.

(72)Name of Inventor :

1)LEONE-BAY, Andrea

2)WESNER, Gregory

(57) Abstract :

Rapid onset and extended action plant-based medicinal compounds or nutritional supplements and synthetic cannabinoid formulations are described. Rapid onset is provided by N-acylated fatty amino acids and/or penetration enhancers. Extended action can be provided by one or more sustained-release systems.

No. of Pages : 79 No. of Claims : 86

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018641 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : EXPANDABLE AGGREGATE MIXTURE FOR MOLDS, MOLD, AND METHOD FOR MANUFACTURING MOLD

(51) International classification :B22C 1/18, B22C 1/02, B22C 1/20
(31) Priority Document No :2017-216183
(32) Priority Date :09/11/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/038561
Filing Date :16/10/2018
(87) International Publication No :WO 2019/093083
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SINTOKOGIO, LTD.
Address of Applicant :3-28-12 Mei-eki, Nakamura-ku,
Nagoya-shi, Aichi 4506424 Japan
(72)Name of Inventor :
1)AOKI, Tomohiro

(57) Abstract :

An expandable aggregate mixture for molds, which contains an aggregate, a water-soluble binder, a water-soluble foaming agent, water and spherical metal oxide particles.

No. of Pages : 19 No. of Claims : 16

(54) Title of the invention : PHASE-STABILIZED ETHYLENE ALPHA OLEFIN COPOLYMERIZATION PROCESS

(51) International classification	:C08F 2/04, C08F 210/02
(31) Priority Document No	:18150988.6
(32) Priority Date	:10/01/2018
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/063384
Filing Date	:22/05/2018
(87) International Publication No	:WO 2019/137634
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BOREALIS AG

Address of Applicant :Wagramer Strasse 17-19 1220 Vienna Austria

(72)Name of Inventor :

1)AL-HAJ ALI, Mohammad**2)SLEIJSTER, Henry**

(57) Abstract :

A process for copolymerizing ethylene and at least one C3 to C8 alpha olefin to obtain an ethylene-C3 to C8 alpha olefin copolymer, the process comprising a) copolymerizing ethylene and at least one C3 to C8 alpha olefin in a solvent in a solution polymerization reactor to obtain an intermediate polymer solution, b) discharging an effluent stream from the intermediate polymer solution into a heat exchanger, c) setting the temperature of the effluent stream in the heat exchanger to obtain a heated effluent stream, d) feeding the heated effluent stream to a flash separation, e) separating at least a part of the ethylene-C3 to C8 alpha olefin copolymer in the flash separation, characterized by feeding an inert hydrocarbon fulfilling $90\text{ }^{\circ}\text{C} < T(\text{BP}) < 130\text{ }^{\circ}\text{C}$ to the solution polymerization reactor; and/or accumulating an inert hydrocarbon fulfilling $90\text{ }^{\circ}\text{C} < T(\text{BP}) < 130\text{ }^{\circ}\text{C}$ during the polymerization reaction; and/or feeding an inert hydrocarbon fulfilling $90\text{ }^{\circ}\text{C} < T(\text{BP}) < 130\text{ }^{\circ}\text{C}$ to the discharged effluent stream of step b).

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018647 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : THERMAL INSULATING GLASS, METHOD FOR PREPARING THE SAME AND THERMAL INSULATING GLASS PRODUCT

(51) International classification	:C03C 17/22, C03C 17/23, C03C 17/34
(31) Priority Document No	:201711477227.5
(32) Priority Date	:29/12/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/123396
Filing Date	:25/12/2018
(87) International Publication No	:WO 2019/128969
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SAINT-GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue d'Alsace 92400 Courbevoie
France

2)GU, Yunxin

(72)Name of Inventor :

1)GU, Yunxin

2)GU, Yunxin

3)ZHOU, Chong

(57) Abstract :

ABSTRACT THERMAL INSULATING GLASS, METHOD FOR PREPARING THE SAME AND THERMAL INSULATING GLASS PRODUCT Provided are a thermal insulating glass, a method for preparing the thermal insulating glass and a thermal insulating glass product. The thermal insulating glass includes a glass substrate and a thermal insulating layer. The thermal insulating layer includes composite tungsten oxide and a binder. The composite tungsten oxide is represented by formula $M_xW_{3-y}A_y$, where M is an alkali metal element or an alkaline earth metal element, W is tungsten, O is oxygen, A is a halogen element, and $0 < x \leq 1$ and $0 \leq y \leq 0.5$. And the binder includes one or more of the following components: silicon dioxide, titanium dioxide, and aluminium oxide. The thermal insulating glass can prevent the occurrence of obscuration. The thermal insulating glass has infrared reflectivity, high strength and good wear resistance, and can effectively resist high temperature and strong oxidation environment.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018650 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LITHIUM COBALT-BASED POSITIVE ELECTRODE ACTIVE MATERIAL, METHOD FOR PREPARING SAME, POSITIVE ELECTRODE COMPRISING SAME, AND SECONDARY BATTERY

(51) International classification	:H01M 4/36, H01M 4/525, H01M 4/485, H01M 10/052, C01G 51/00	(71)Name of Applicant : 1)LG CHEM, LTD. Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(31) Priority Document No	:10-2017-0150921	(72)Name of Inventor :
(32) Priority Date	:13/11/2017	1)JO, Chi Ho
(33) Name of priority country	:Republic of Korea	2)YOU, Min Kyu
(86) International Application No	:PCT/KR2018/013822	3)PARK, Sung Bin
Filing Date	:13/11/2018	4)HUR, Hyuck
(87) International Publication No	:WO 2019/093864	5)HWANG, Jin Tae
(61) Patent of Addition to Application Number	:NA	6)JUNG, Wang Mo
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a lithium cobalt-based positive electrode active material, wherein the lithium cobalt-based positive electrode active material comprises: a core part containing a lithium cobalt-based oxide represented by chemical formula 1; and a shell part containing a lithium cobalt-based oxide represented by chemical formula 2. The lithium cobalt-based positive electrode active material contains, relative to the total weight thereof, doping element M at 2500 ppm or more, and preferably 3000 ppm or more. A lithium cobalt-based positive electrode active material, which shows no inflection point in a voltage profile measured by charging and discharging a secondary battery comprising the lithium cobalt-based positive electrode active material, is provided.

No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018652 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LOCK FOR PLUG-IN CONNECTOR

(51) International classification	:H01R 13/627, H01R 13/635, H01R 43/26	(71)Name of Applicant :
(31) Priority Document No	:10 2017 125 915.5	1)PHOENIX CONTACT GMBH & CO. KG
(32) Priority Date	:07/11/2017	Address of Applicant :Flachsmarktstrae 8 32825 Blomberg
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2018/079363	(72)Name of Inventor :
Filing Date	:26/10/2018	1)KROME, Karsten
(87) International Publication No	:WO 2019/091795	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a plug-in connector part that can be connected to a mating connector part so as to form a plug-in connection, said plug-in connector part comprising a housing and an elastically deformable locking component embodied separately from the housing, which is designed to reversibly lock to a locking contour of the mating connector part during the creation of the plug-in connection. The locking component is at least partially arranged in the housing of the plug-in connector part and has a section that is curved around a longitudinal axis of the plug-in connector part, which is parallel to the plug-in direction, and has at least one locking region and at least one unlocking region. The locking component is prestressed in a closed position and can be elastically radially outwardly expanded into an open position in the locking region by the action of a radially inwardly oriented force on the unlocking region.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018653 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COCRYSTALS, PHARMACEUTICAL COMPOSITIONS THEREOF, AND METHODS OF TREATMENT INVOLVING SAME

(51) International classification	:C07D 401/04, C07C 59/265, A61P 35/00, A61K 31/53	(71)Name of Applicant : 1)AGIOS PHARMACEUTICALS, INC. Address of Applicant :88 Sidney Street Cambridge, MA 02139 U.S.A.
(31) Priority Document No	:62/580501	(72)Name of Inventor :
(32) Priority Date	:02/11/2017	1)LANE, Benjamin, S.
(33) Name of priority country	:U.S.A.	2)GU, Chong-Hui
(86) International Application No	:PCT/US2018/058930	
Filing Date	:02/11/2018	
(87) International Publication No	:WO 2019/090059	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are solid forms of a compound useful for treating cancer, pharmaceutical compositions thereof, and methods of treating cancer comprising administering the solid forms described herein to a patient in need thereof.

No. of Pages : 134 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018656 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : POWDER MIXTURE COMPRISING ORGANIC PEROXIDE

(51) International classification	:C08J 3/22, C08K 3/22, C08K 5/14, C08K 3/016
(31) Priority Document No	:17194732.8
(32) Priority Date	:04/10/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/076736
Filing Date	:02/10/2018
(87) International Publication No	:WO 2019/068683
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)NOURYON CHEMICALS INTERNATIONAL B.V.
Address of Applicant :Velperweg 76 NL-6824 BM Arnhem
Netherlands

(72)Name of Inventor :
1)SPIJKERMAN, Geesje Klasina
2)JANSEN, Martin Hermanus Maria
3)TALMA, Auke Gerardus
4)DEN BRABER, Antonie

(57) Abstract :

Powder mixture comprising 20-80 wt% of one or more powdered organic peroxides selected from the group consisting of dibenzoyl peroxide and substituted dibenzoyl peroxides, 20-80 wt% of a powdered filler material, at least 60 wt%, thereof consisting of a solid inorganic flame retardant, and 0-20 wt% water.

No. of Pages : 11 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018660 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITIONS AND METHODS FOR ENHANCING VISUAL FUNCTION

(51) International classification :A61B 5/00, A61K
48/00, C07K 14/72
(31) Priority Document No :62/585237
(32) Priority Date :13/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/060669
Filing Date :13/11/2018
(87) International Publication No :WO 2019/094904
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
**1)THE REGENTS OF THE UNIVERSITY OF
CALIFORNIA**
Address of Applicant :1111 Franklin Street, 12th Floor
Oakland, California 94607 U.S.A.
(72)Name of Inventor :
1)ISACOFF, EHUD Y.

(57) Abstract :

The present disclosure provides a method of restoring or enhancing visual function in an individual, the method comprising administering to the individual a nucleic acid comprising a nucleotide sequence encoding one or more of a medium wavelength cone opsin (MW-opsin), a long wavelength cone opsin (LW-opsin), and a short wavelength cone opsin (SW-opsin). One or more of the MW-opsin, LW-opsin, and SW-opsin is expressed in a retinal cell in the individual, thereby restoring or enhancing visual function.

No. of Pages : 57 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018665 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CONDENSED IMIDAZOLE DERIVATIVES SUBSTITUTED BY TERTIARY HYDROXY GROUPS AS PI3K-GAMMA INHIBITORS

(51) International classification	:C07D 487/04, A61P 25/28, A61P 35/00, A61K 31/4985, A61K 31/495	(71)Name of Applicant : 1)INCYTE CORPORATION Address of Applicant :1801 Augustine Cut-Off Wilmington, Delaware 19803 U.S.A.
(31) Priority Document No	:62/574057	(72)Name of Inventor :
(32) Priority Date	:18/10/2017	1)DOUTY, Brent
(33) Name of priority country	:U.S.A.	2)BUESKING, Andrew W.
(86) International Application No	:PCT/US2018/056311	3)BURNS, David M.
Filing Date	:17/10/2018	4)COMBS, Andrew P.
(87) International Publication No	:WO 2019/079469	5)FALAHATPISHEH, Nikoo
(61) Patent of Addition to Application Number	:NA	6)JALLURI, Ravi Kumar
Filing Date	:NA	7)LEVY, Daniel
(62) Divisional to Application Number	:NA	8)POLAM, Padmaja
Filing Date	:NA	9)SHAO, Lixin
		10)SHEPARD, Stacey
		11)SHVARTSBART, Artem
		12)SPARKS, Richard B.
		13)YUE, Eddy W.

(57) Abstract :

This application relates to compounds of Formula (I): or pharmaceutically acceptable salts thereof, which are inhibitors of PI3K-y which are useful for the treatment of disorders such as autoimmune diseases, cancer, cardiovascular diseases, and neurodegenerative diseases.

No. of Pages : 300 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018666 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HERBAL COMPOSITIONS WITH IMPROVED BIOAVAILABILITY

(51) International classification	:A61K 36/18, A61K 36/88, A61K 36/906
(31) Priority Document No	:62/568678
(32) Priority Date	:05/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/054728
Filing Date	:05/10/2018
(87) International Publication No	:WO 2019/071211
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)RECEPTOR HOLDINGS, INC.

Address of Applicant :1420 5th Ave., Suite 4200 Seattle, Washington 98101 U.S.A.

(72)Name of Inventor :

1)LEONE-BAY, Andrea

2)WESNER, Gregory

(57) Abstract :

Herbal compositions in various carrier combinations are described. The carriers can include N-acylated fatty amino acids, penetration enhancers, and/or various other beneficial carriers. The herbal composition/carrier combinations can create administration benefits.

No. of Pages : 46 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018675 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ENERGY UTILIZATION POINT TRACKER INVERTER

(51) International classification	:H02M 7/5395, H02J 3/38, H02M 7/42, H02M 7/493	(71) Name of Applicant : 1)LT LIGHTING (TAIWAN) CORPORATION Address of Applicant :10F., No. 518, Sec. 4 Zhonghua Road, Xiangshan District 300 Hsinchu Taiwan
(31) Priority Document No	:15/838044	(72) Name of Inventor :
(32) Priority Date	:11/12/2017	1)SHUY, Geoffrey Wen-Tai
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/064495	
Filing Date	:07/12/2018	
(87) International Publication No	:WO 2019/118297	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A sequential extraction control device for use in a 3-phase DC/AC converter. The 3-phase converter has three single-phase DC/AC converters, each controlled by a respective PWM extractor. Duty factor adjustments are made depending on a current portion of an AC power cycle. A sequential regulator causes the PWM extractors to have non-overlapping duty cycles such that extractions of each of the single-phase DC/AC converters is performed in sequence, rather than concurrently. This improves the efficiency in extracting power from the DC power.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018680 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MANUFACTURING PROCESS FOR THE PRODUCTION OF A POWDER FROM FAT AND FIBER

(51) International classification :A23D 9/05, A23D 9/007, A23L 23/10, A23D 9/02, A23G 1/40

(31) Priority Document No :18152898.5

(32) Priority Date :23/01/2018

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2019/051316
Filing Date :21/01/2019

(87) International Publication No :WO 2019/145241

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SOCIETE DES PRODUITS NESTLE S.A.
Address of Applicant :Entre-deux-Villes 1800 Vevey
Switzerland

(72)Name of Inventor :
1)GADDIPATI, Sanyasi
2)PERDANA, Jimmy
3)KIM, Youngbin
4)SCHROEDER, Volker
5)FERNANDEZ,FARRES, Isabel
6)GUNES, Zeynel,Deniz

(57) Abstract :

The invention relates to a manufacturing process for the production of a fat and fiber powder. In particularly the invention relates to a process for the production of a fat and fiber powder having up to 93% of fat (by weight of total fat-fiber powder) and at least 7% of a vegetable fiber (by weight of total fat-fiber powder), wherein the fiber is characterized by having a rate of hydration between 15 to 500 cP/min and wherein the fat has a solid fat content (SFC) at 20°C of at least 12.1 wt% (by weight of total fat).

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018681 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IMAGING ENDOSCOPE SYSTEM AND ASSOCIATED METHODS

(51) International classification	:A61B 1/00, A61B 1/005, A61B 1/015, A61B 1/06	(71) Name of Applicant : 1)I.Q. ENDOSCOPES LTD Address of Applicant :St. John's Innovation Centre Cowley Road Cambridge CB4 0WS U.K.
(31) Priority Document No	:1716360.1	(72) Name of Inventor :
(32) Priority Date	:06/10/2017	1)WARD-BOOTH, Patrick
(33) Name of priority country	:U.K.	2)MILLER, Andrew
(86) International Application No	:PCT/EP2018/077187	3)MARTIN, Paul
Filing Date	:05/10/2018	4)FIELD, Stephen
(87) International Publication No	:WO 2019/068894	5)BRITTON, Polly
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An imaging endoscopy system is disclosed, having a base unit, a hand controller, an umbilical section releasably connecting the base unit and the hand controller and an insertion section. The insertion section has a proximal end connected to the hand controller and a distal end for insertion into a subject, the distal end having a steering section and a distal tip. The hand controller includes at least one steering control for controlling bending of the steering section, and wherein the distal tip includes a light source for illumination of a region of tissue of interest and an imaging chip for imaging the region of tissue of interest. The hand controller, umbilical section and insertion section are single use disposable. The base unit is configured to be re-usable.

No. of Pages : 32 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018682 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TRANSMISSION DEVICE AND METHOD WITH REGION OF INTEREST MODE SELECTION

(51) International classification	:H04N 21/433, G06F 13/38, G09G 5/00, H04N 21/434, H04N 5/225	(71)Name of Applicant : 1)SONY SEMICONDUCTOR SOLUTIONS CORPORATION Address of Applicant :4-14-1, Asahi-cho, Atsugi-shi, Kanagawa 2430014 Japan
(31) Priority Document No	:2017-217484	(72)Name of Inventor :
(32) Priority Date	:10/11/2017	1)YOSHIMUCHI, Naoki
(33) Name of priority country	:Japan	2)SUGIOKA, Tatsuya
(86) International Application No	:PCT/JP2018/038265	3)TAKAHASHI, Tomohiro
Filing Date	:15/10/2018	4)IINUMA, Takahiro
(87) International Publication No	:WO 2019/093072	5)YODA, Koji
(61) Patent of Addition to Application Number	:NA	6)OZAWA, Miho
Filing Date	:NA	7)INADA, Yoshiaki
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a transmission device including: an image processing unit that sets region information corresponding to a region set in an image for each of rows in the image and causes the set region information and region data corresponding to the region to be transmitted for each row. The region information includes information indicating a position of the row and information indicating a position of a column of the region included in the row.

No. of Pages : 44 No. of Claims : 20

(54) Title of the invention : BASE STATION DEVICE, TERMINAL DEVICE, AND METHOD

(51) International classification	:H04W 28/18, H04W 16/28, H04W 72/04, H04W 72/12, H04W 84/06	(71)Name of Applicant : 1)SONY CORPORATION Address of Applicant :1-7-1, Konan, Minato-ku, Tokyo 1080075 Japan
(31) Priority Document No	:2017-220695	(72)Name of Inventor :
(32) Priority Date	:16/11/2017	1)KUSASHIMA, Naoki
(33) Name of priority country	:Japan	2)SHIMEZAWA, Kazuyuki
(86) International Application No	:PCT/JP2018/036342	3)UCHIYAMA, Hiromasa
Filing Date	:28/09/2018	4)MATSUDA, Hiroki
(87) International Publication No	:WO 2019/097855	5)KIMURA, Ryota
(61) Patent of Addition to Application Number	:NA	6)TANG, Yifu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Problem] To propose a setup that can improve wireless link quality for communication between a non-terrestrial station device and a terrestrial terminal device. [Solution] A base station device that has been configured as a satellite station device and comprises a control unit that, on the basis of information about the base station device, transmits, to a terminal device, setting information about transmission parameters used for the transmission of signals from the terminal device to the base station device.

No. of Pages : 105 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018684 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR DETERMINING THE GEOMETRY OF A DEFECT AND FOR DETERMINING A LOAD LIMIT

(51) International classification :G01N 27/83
(31) Priority Document No :17195267.4
(32) Priority Date :06/10/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/076514
Filing Date :28/09/2018
(87) International Publication No :WO 2019/068588
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ROSEN SWISS AG

Address of Applicant :Obere Spichermatt 14 6370 Stans
Switzerland

(72)Name of Inventor :

1)DANILOV, Andrey

2)PALMER, Johannes

(57) Abstract :

The invention relates to a method for determining the geometry of a plurality of defect of a magnetizable object with a reference data set of the object, comprising determining an initial defect geometry as an output defect geometry, determining a first MFL prediction data set as an output prediction data set on the basis of the output defect geometry, and iteratively adapting the output defect geometry to the geometry of the real defect(s) by means of the EDP unit and by means of a plurality of expert routines (11) running in competition and preferably parallel to one another.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018685 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMMUNICATION DEVICE, COMMUNICATION METHOD, AND PROGRAM

(51) International classification :H04B 7/06, H04W
16/28, H04W 88/02
(31) Priority Document No :2017-216968
(32) Priority Date :10/11/2017
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2018/037022
Filing Date :03/10/2018
(87) International Publication No :WO 2019/093025
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SONY CORPORATION
Address of Applicant :1-7-1, Konan, Minato-ku, Tokyo
1080075 Japan
(72)Name of Inventor :
1)TAKANO, Hiroaki

(57) Abstract :

[Problem] To make it possible to restore communication between a base station and a terminal device in a more appropriate manner.
[Solution] A communication device provided with: a communication unit which performs wireless communication; and a notification unit which notifies a base station of information relating to a second beam usable in place of a first beam that is preferentially used in the wireless communication with the base station among a plurality of beams.

No. of Pages : 80 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018686 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : APPARATUS AND METHOD FOR MANUFACTURING GLASS PREFORMS FOR OPTICAL FIBERS

(51) International classification :C03B 37/014
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IT2017/000261
Filing Date :17/11/2017
(87) International Publication No :WO 2019/097557
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PRYSMIAN S.P.A.
Address of Applicant :Via Chiese, 6 I-20126 Milano Italy
(72)Name of Inventor :
1)GRIECO, Stefano

(57) Abstract :

An apparatus (10) for manufacturing glass preforms for optical fibers comprises a reaction chamber (15) surrounding a deposition region (15a), a holding device (12) for holding a target rod (100) within said deposition region (15a), one or a plurality of deposition burners (11) positioned below said deposition region (15a) and configured to direct a high temperature flow of forming glass particles toward said target rod (100), a hood (16) positioned opposite to the deposition burners (11) with respect to said holding device (12) and configured for discharging soot of un-deposited glass particles, said hood (16) comprising at least one exhaust port (17) provided at a first end portion (19) thereof and side panels (24) extending from a second end portion (20) thereof toward said first end portion (19). At least a portion (24a) of the side panels (24) of the hood (16) is gas permeable.

No. of Pages : 17 No. of Claims : 20

(54) Title of the invention : IMPACTOR AND STABILIZER FOR FRACTURING CALCIFICATIONS IN HEART VALVES

(51) International classification	:A61B 17/22, A61B 17/221, A61B 17/3207	(71) Name of Applicant : 1)PI-CARDIA LTD. Address of Applicant :10 Plaut Street 7670609 Rehovot Israel
(31) Priority Document No	:15/723379	(72) Name of Inventor :
(32) Priority Date	:03/10/2017	1)GOLAN, Erez
(33) Name of priority country	:U.S.A.	2)GAL-OR, Ofir
(86) International Application No	:PCT/IB2018/057667	3)MEIRI, Oded
Filing Date	:03/10/2018	4)LEVY, Ronnie
(87) International Publication No	:WO 2019/069242	5)KARNI, Shai
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for fracturing calcifications in heart valves includes a stabilizer (10) and an impactor (12) movable towards each other. The impactor (12) includes one or more impactor arms (16), each of which extends distally from a proximal cap (24). The impactor (12) further includes one or more lever arms (28) each of which is distally coupled to a lever cap (30) and proximally coupled to a corresponding one of the one or more impactor arms (16). The lever cap (30) slides on a shaft (34) which extends towards the proximal cap (24). Proximal movement of the lever cap (30) towards the proximal cap (24) causes the one or more lever arms (28) to deform and to push against the one or more impactor arms (16) and to cause the one or more impactor arms (16) to deform.

No. of Pages : 7 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018689 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LUBRICANT FORMULATION COMPRISING FRICTION MODIFIER ADDITIVE

(51) International classification :C10M 169/04
(31) Priority Document No :1718527.3
(32) Priority Date :09/11/2017
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2018/080000
Filing Date :02/11/2018
(87) International Publication No :WO 2019/091868
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CRODA INTERNATIONAL PLC
Address of Applicant :Cowick Hall Snaith Goole East
Yorkshire DN14 9AA U.K.
(72)Name of Inventor :
1)GILLESPIE, David, Anthony, James
2)EASTWOOD, John
3)MOODY, Gareth
4)VIADAS CIENFUEGOS, Aitziber

(57) Abstract :

The invention provides a lubricant formulation comprising: (a) a base oil selected from API Group I to V oils and mixtures thereof; (b) 0.01 to 10 wt% on the basis of the total weight of the lubricant formulation of a friction modifier additive; and (c) other lubricant formulation additives. The friction modifier additive has a hydroxyl value in the range from 10 to 300 mg KOH/g and is the reaction product of reactants comprising: i) a dimer fatty acid; ii) a polyol; iii) optionally, a C2 to C12 dicarboxylic acid or diol; and iv) optionally, a C1 to C10 mono-carboxylic acid or mono-alcohol. The invention also provides a method of lubricating an internal combustion engine comprising a crankcase and a wet clutch and the use of a friction modifier additive.

No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018704 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DEVICE FOR GRINDING AND MIXING OF HERBS AND/OR TOBACCO AND/OR SPICES, PREPARING AND DISPENSING OF CIGARETTES AND METHOD FOR THE APPLICATION THEREOF

(51) International classification	:A47J 42/40, A47J 42/26, A24C 5/02	(71)Name of Applicant :
(31) Priority Document No	:PCT/IB2017/056978	1)JROLL TECH LTD
(32) Priority Date	:08/11/2017	Address of Applicant :40 Kimonos Street 3095 Limassol
(33) Name of priority country	:PCT	Cyprus
(86) International Application No	:PCT/IB2017/056978	(72)Name of Inventor :
Filing Date	:08/11/2017	1)VEELO, Jaron
(87) International Publication No	:WO 2019/092477	2)HEN, Rohi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Device for grinding and mixing of herbs and/or tobacco and/or spices, preparing and dispensing of cigarettes and method for the application thereof The subject of the invention is a device for grinding and mixing of herbs and/or tobacco and/or spices, preparing and dispensing of cigarettes, the device comprising a grinding chamber (2) for holding and grinding the herbs and/or tobacco and/or spices, wherein the grinding chamber (2) has a plurality of tubes (9) for holding pre-rolled cigarette papers (17) and receiving ground herbs and/or tobacco and/or spices, a carousel (10), which is rotatable around a central axis (16). The device further comprises a mixing chamber (5) for mixing the herbs and/or tobacco and/or spices, which is located below the grinding chamber (2), a mixing unit (4) located in the mixing chamber (5), at least one door (7) on the carousel cover (8) for dispensing one tube (9) or a plurality of tubes (9) with the filled pre-rolled cigarette paper (17), wherein the carousel (10) comprises a plurality of tube holders (14) for holding the tubes (9). The subject of the invention is also the method for the application of the device.

No. of Pages : 15 No. of Claims : 15

(54) Title of the invention : MONOCLONAL ANTIBODY TO IL-5RA

<p>(51) International classification :C07K 16/24, C12N 15/63, A61K 39/00, A61P 11/06</p> <p>(31) Priority Document No :2017134413</p> <p>(32) Priority Date :03/10/2017</p> <p>(33) Name of priority country :Russia</p> <p>(86) International Application No :PCT/RU2018/050118 Filing Date :02/10/2018</p> <p>(87) International Publication No :WO 2019/070164</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)JOINT STOCK COMPANY BIOCAD Address of Applicant :ul. Svyazi, bld. 34, Liter A Strelna, Petrodvortsoviy district St.Petersburg, 198515 Russia</p> <p>(72)Name of Inventor : 1)SOFRONOVA, Ekaterina Vladimirovna 2)MISORIN, Aleksei Konstantinovich 3)DORONIN, Aleksandr Nikolaevich 4)NEMANKIN, Timofey Aleksandrovich 5)SOZONOVA, Aleksandra Aleksandrovna 6)ZHIRIVSKAIA, Galina Stepanovna 7)LEGOTSKY, Sergey Aleksandrovich 8)VLADIMIROVA, Anna Konstantinovna 9)BELIASNIKOVA, Alina Valerevna 10)SHCHEMELEVA, Mariia Aleksandrovna 11)IAKOVLEV, Pavel Andreevich 12)SOLOVYEV, Valery Vladimirovich 13)KRENDELEVA, Elena Andreevna 14)PESTOVA, Natalia Evgenevna 15)MOROZOV, Dmitry Valentinovich</p>
---	--

(57) Abstract :

The present invention relates to the field of bioengineering, and proposes antibodies which bind specifically to IL-5Ra. The invention also relates to DNA that codes for the aforementioned antibodies, to corresponding expression vectors and production methods, and also to treatment methods using said antibodies.

No. of Pages : 65 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018723 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ARC SOURCE

(51) International classification :C23C 14/06, C23C 14/24, C23C 14/32, C23C 14/54, H01J 37/32

(31) Priority Document No :62/567423

(32) Priority Date :03/10/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2018/000460
Filing Date :04/10/2018

(87) International Publication No :WO 2019/081053

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)OERLIKON SURFACE SOLUTIONS AG, PF,,FFIKON

Address of Applicant :Churerstrasse 120 8808 Pfffikon SZ
Switzerland

(72)Name of Inventor :

1)KRASSNITZER, Siegfried

2)HAGMANN, Juerg

(57) Abstract :

An ARC evaporator comprising: - a cathode assembly, - an electrode arranged for enabling that an arc between an electrode and a front surface of the target can be established, and - a magnetic guidance system placed in front of a back surface of the target characterized in that: the magnetic guidance system comprises means placed in a central region for generating at least one magnetic field and means in a peripheral region for generating at least one further magnetic field, wherein the magnetic fields generated in this manner result in a total magnetic field for guiding the arc and controlling the cathode spot path at the front surface of the target, wherein the means placed in the central region comprises one electromagnetic coil for generating a magnetic field and the means placed in the peripheral region comprises two electromagnetic coils for generating two further magnetic fields.

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018724 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ARC SOURCE WITH CONFINED MAGNETIC FIELD

(51) International classification	:C23C 14/06, C23C 14/24, C23C 14/32, C23C 14/54, H01J 37/32	(71)Name of Applicant : 1)OERLIKON SURFACE SOLUTIONS AG, PF,,FFIKON Address of Applicant :Churerstrasse 120 8808 Pffikon SZ Switzerland
(31) Priority Document No	:62/567423	(72)Name of Inventor :
(32) Priority Date	:03/10/2017	1)KRASSNITZER, Siegfried
(33) Name of priority country	:U.S.A.	2)HAGMANN, Juerg
(86) International Application No	:PCT/EP2018/000459	
Filing Date	:04/10/2018	
(87) International Publication No	:WO 2019/081052	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An ARC evaporator comprising: - a cathode assembly comprising a cooling plate (11), a target (1) as cathode element, - an electrode arranged for enabling that an arc between the electrode and the front surface (1A) of the target (1) can be established - a magnetic guidance system placed in front of the back surface (1 B) of the target (i) comprising means for generating one or more magnetic whereas: - the borders of the cathode assembly comprise a surrounding shield (15) made of ferromagnetic material, wherein the surrounding shield (15) has a total height (H) in the transversal direction, said total height (H) including a component (C) for causing a shielding effect of magnetic field lines extending in any longitudinal directions, establishing in this manner the borders of the cathode assembly as limit of the extension of the magnetic field lines in any longitudinal direction.

No. of Pages : 13 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018725 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MICROBIOCIDAL PICOLINAMIDE DERIVATIVES

(51) International classification	:C07D 213/81, A01N 43/40	(71)Name of Applicant :
(31) Priority Document No	:17201850.9	1)SYNGENTA PARTICIPATIONS AG
(32) Priority Date	:15/11/2017	Address of Applicant :Rosentalstrasse 67 4058 Basel
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2018/080840	(72)Name of Inventor :
Filing Date	:09/11/2018	1)POULIOT, Martin
(87) International Publication No	:WO 2019/096709	2)RENDINE, Stefano
(61) Patent of Addition to Application	:NA	3)LAMBERTH, Clemens
Number	:NA	4)BEAUDEGNIES, Renaud
Filing Date	:NA	5)MONACO, Mattia, Riccardo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The application relates to picolinamide derivatives of the formula (I). The compounds are useful as pesticides, especially fungicides, in agriculture or horticulture.

No. of Pages : 74 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018726 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS AND COMPOSITIONS FOR IMPROVING ENGINEERED MICROBES THAT FIX NITROGEN

(51) International classification :C12Q 1/68
(31) Priority Document No :62/577148
(32) Priority Date :25/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/057174
Filing Date :23/10/2018
(87) International Publication No :WO 2019/084059
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)PIVOT BIO, INC.

Address of Applicant :2929 7th Street, Suite 120 Berkeley, California 94710 U.S.A.

(72)Name of Inventor :

1)TAMSIR, Alvin

2)BLOCH, Sarah

3)HIGGINS, Douglas

(57) Abstract :

Methods and systems are provided for generating and utilizing a bacterial composition that comprises at least one genetically engineered bacterial strain that fixes atmospheric nitrogen in an agricultural system that has been fertilized with more than 20 lbs of Nitrogen per acre.

No. of Pages : 101 No. of Claims : 80

(54) Title of the invention : APPARATUS AND METHOD FOR PRODUCING SYNTHESIS GAS

(51) International classification	:C10J 3/22, C10J 3/30, C10J 3/34, C10J 3/74	(71)Name of Applicant : 1)HORGE TECHNOLOGIES KFT Address of Applicant :Radn ³ ti Mikl ³ s tr 2/A 8200 Veszpr ^m Hungary
(31) Priority Document No	:P1700409	(72)Name of Inventor :
(32) Priority Date	:05/10/2017	1)RAISZ, Ivⁿ
(33) Name of priority country	:Hungary	2)HENGER, K^jroly
(86) International Application No	:PCT/HU2018/000043	3)NY[%]KI, J³zsef
Filing Date	:03/10/2018	4)UDVARHELYI, Mikl³s
(87) International Publication No	:WO 2019/069107	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is an apparatus for producing synthesis gas, comprising - a stirring unit (103) adapted for stirring a batch of waste material, - an enclosable region and a CO₂ gas inlet (104) that is connected to the enclosable region and is adapted to allow for flushing the batch with CO₂ in order to expel air therefrom, - a reactor (106) comprising a longitudinal decomposition space (107) adapted for receiving the batch that has been stirred and flushed with CO₂ gas, and a return flow space (109) being in fluid flow connection with the decomposition space (107) at the outlet end of the decomposition space (107) and encompassing at least partially the wall (108) of the decomposition space (107) along the length of the decomposition space (107), - an O₂ gas inlet (110) connected to the decomposition space, - a water inlet (111) connected to the decomposition space (107), - a flow generator unit adapted for discharging from the decomposition space (107) the flue gases and the synthesis gas generated in the decomposition space (107) in a direction identical to the flow direction of the feedstock, and generating, in the return flow space (109), a flow of said gases in a direction opposite the flow direction of the feedstock, and - a purification unit adapted for purifying the synthesis gas discharged from the return flow space (109) from haloids. The invention also relates to a method carried out by the above apparatus.

No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018729 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ENERGY TRANSMISSION VIA A BIPOLAR HIGH VOLTAGE DIRECT CURRENT TRANSMISSION LINK

(51) International classification	:H02M 7/757, H02M 1/36, H02J 3/36, H02M 7/493, H02M 7/77	(71)Name of Applicant : 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Werner-von-Siemens-Strae 1 80333 M ^u nchen Germany
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)S-LLNER, Nicolas
(33) Name of priority country	:NA	2)MESSNER, Johann
(86) International Application No	:PCT/EP2017/080108	
Filing Date	:22/11/2017	
(87) International Publication No	:WO 2019/101306	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a converter station (1) having two line-commutated converters (4, 5) for energy transmission via a bipolar high voltage direct current transmission line (30), and to a method for operating the converter station (1). In a first operating mode of the converter station (1) the two converters (4, 5) are electrically connected in an anti-parallel circuit to the same pole (21, 23) of the high voltage direct current transmission link (30) and one of the converters (4, 5) is operated as a rectifier and the other converter (4, 5) is operated as an inverter in an AC network (27). In a second operating mode the two converters (4, 5) are connected to different poles (21, 23) of the high voltage direct current transmission link (30) and both converters (4, 5) are operated as either rectifiers or inverters in the AC network (27). In both operating modes a station active power (P1) exchanged between the converter station (1) and the AC network (27) is controlled by active power specifications for converter active powers (P11, P12) which are exchanged between the converters (4, 5) and the AC network (27).

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018730 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ENERGY TRANSMISSION VIA A BIPOLAR HIGH VOLTAGE DIRECT CURRENT TRANSMISSION LINK

(51) International classification :H02J 3/36
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2017/080112
Filing Date :22/11/2017
(87) International Publication No :WO 2019/101307
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)SIEMENS AKTIENGESELLSCHAFT
Address of Applicant :Werner-von-Siemens-Strae 1 80333
München Germany
(72)**Name of Inventor :**
1)S-LLNER, Nicolas
2)MESSNER, Johann

(57) Abstract :

The invention relates to a converter station (1) having two line-commutated converters (4, 5) for energy transmission via a bipolar high voltage direct current transmission line (30), and to a method for operating the converter station (1). The two converters (4, 5) are electrically connected in an anti-parallel circuit to the same pole (21, 23) of the high-voltage direct current transmission line (30). One of the converters (4, 5) is operated as a rectifier in an AC network (27) and the other converter (4, 5) is operated as an inverter in the AC network (27). A station reactive power (Q1) exchanged by the converter station (1) with the AC network (27) is controlled by active power specifications for converter active powers (P11, P12) which are exchanged between the converters (4, 5) and the AC network (27).

No. of Pages : 16 No. of Claims : 12

(54) Title of the invention : LEVER DEVICE

(51) International classification	:G05G 5/03, B62K 23/06, G05G 25/00, G05G 1/04	(71)Name of Applicant : 1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato- ku, Tokyo 1078556 Japan
(31) Priority Document No	:2017-252915	(72)Name of Inventor :
(32) Priority Date	:28/12/2017	1)SHIMIZU Masahiro
(33) Name of priority country	:Japan	2)SHIOMI Yoshinobu
(86) International Application No	:PCT/JP2018/039278	3)MORITA Go
Filing Date	:23/10/2018	
(87) International Publication No	:WO 2019/130762	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A clutch lever device (50) includes a clutch lever (60) rotatably provided and operated by a user, an elastic deformation portion (81) which is a generation source of an operation reaction force of the clutch lever (60), and a rotary body (91) which is configured to rotate around a first axis (O) in accordance with rotation of the clutch lever (60) and elastically deform the elastic deformation portion (81). The rotary body (91) is configured to change an elastic deformation amount of the elastic deformation portion (81) per unit rotation angle of the clutch lever (60) in accordance with a rotation angle from a pre-operation position of the clutch lever (60).

No. of Pages : 20 No. of Claims : 8

(54) Title of the invention : IMPROVED MICROPOROUS MEMBRANES, BATTERY SEPARATORS, BATTERIES, AND DEVICES HAVING THE SAME

(51) International classification :H01M 2/16, H01M 2/18, H01M 10/052
(31) Priority Document No :62/581317
(32) Priority Date :03/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058664
Filing Date :01/11/2018
(87) International Publication No :WO 2019/089897
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CELGARD, LLC
Address of Applicant :13800 South Lakes Drive Charles, NC 28273 U.S.A.
(72)Name of Inventor :
1)ADAMS, Changqing
2)TICE, Geoffrey, Allen
3)SHIRAH, Gary, Michael

(57) Abstract :

A microporous film having at least one of the following properties: unrestrained MD shrinkage, when the film is baked unrestrained at 90°C for 1 hour, of 2% or more; unrestrained MD shrinkage, when the film is baked unrestrained at 105°C for 1 hour, of 2.5% or more; MD restrained growth, when measured using the MD restrained growth test, of less than or equal to 0.2%; rebound or recovery of 5% or greater when measured by the compressibility test; a max compression greater than or equal to 18% when measured by the compressibility test; swelling in DEC when measured according to the swelling in DEC test of 0.95% or less; the film exhibits a round-shaped, not a slit-shaped opening when subjected to the puncture test; the lamellae of the film have a thickness no greater than 250nm; a normalized puncture strength above 350 g/16 micron; and having higher modulus and lower elongation before break of less than 40% in the machine direction. Also disclosed is a battery separator, battery, or device comprising at least one microporous film as described herein.

No. of Pages : 30 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018741 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FILTER PRESS AND METHOD FOR SEPARATING THE SOLID COMPONENTS FROM THE LIQUID COMPONENTS OF A SLURRY

(51) International classification	:B01D 25/164, B01D 25/19	(71)Name of Applicant : 1)METSO SWEDEN AB
(31) Priority Document No	:17197183.1	Address of Applicant :Box 132 231 22 TRELLEBORG
(32) Priority Date	:18/10/2017	Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2018/078590	1)GR-NVALL, Lars
Filing Date	:18/10/2018	
(87) International Publication No	:WO 2019/077055	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a filter press (1,100,200) for separating the solid components from the liquid components of a slurry comprising side beams (4) and a plurality of filter plates (6,106,206) oriented at right angles to the longitudinal direction of the side beams wherein said filter plates are adapted to move along said side beams, a stationary end (5,105,205) arranged on one end of the side beams, a movable head (8,108,208) adapted to transport said filter plates along the side beams, a press system (26,126,226) adapted to exert a closing pressure on said filter plates to press the filter plates against each other and wherein the press system (26, 126, 226) comprises at least one actuator (27, 127, 227) at least one electrically driven actuator (27,127,227) adapted to generate an axially directed force which is exerted on the filter plates by means of the movable head (8,108,208). The invention also relates to a method for separating the solid components from the liquid components of a slurry.

No. of Pages : 30 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018746 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HYDROXYCHLOROQUINE SULFATE FORMULATIONS AND METHODS FOR PREPARATION AND USE THEREOF

(51) International classification :A61K 9/00, A61K 9/16, A61K 9/20, A61K 9/48, A61K 31/4706
(31) Priority Document No :62/572044
(32) Priority Date :13/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/055454
Filing Date :11/10/2018
(87) International Publication No :WO 2019/075229
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)RESEARCH TRIANGLE INSTITUTE
Address of Applicant :3040 East Cornwallis Road Research Triangle Park, NC 27709 U.S.A.

(72)Name of Inventor :
1)PAULI, Elliott Richard
2)JOSHI, Hemant N.
3)VASAVADA, Anvit S.

(57) Abstract :

Water-dispersible pharmaceutical compositions of hydroxychloroquine sulfate in powder or granule form are provided that allow for ease of preparation of measured-dose, liquid suspensions that are palatable and suitable for pediatric administration. The compositions in granular or powder form are efficiently dissolvable in water and can be provided encapsulated within a two-piece releasable hard capsule or a packet or pouch for easy release. An ion-pairing agent is present in the formulation of the composition that masks the bitter taste of the hydroxychloroquine sulfate, significantly reducing the need for addition of a sweetening agent. Methods are provided for preparing the water-dispersible pharmaceutical compositions of hydroxychloroquine sulfate and for preparing palatable weight-based pediatric doses.

No. of Pages : 25 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018747 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AREA MANAGEMENT OF TISSUE SITES ON ARTICULATING JOINTS

(51) International classification	:A61F 13/00, A61M 1/00, A61F 13/02	(71)Name of Applicant : 1)KCI LICENSING, INC. Address of Applicant :P.O. Box 659508 San Antonio, TX 78265-9508 U.S.A.
(31) Priority Document No	:62/575961	
(32) Priority Date	:23/10/2017	
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2018/056837	1)KAZALA, Richard, Marvin
Filing Date	:22/10/2018	2)RANDOLPH, Larry, Tab
(87) International Publication No	:WO 2019/083872	3)PERKINS, Luke
(61) Patent of Addition to Application Number	:NA	4)SANDOVAL, Enrique, L.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A dressing for managing an incision and surrounding tissue where edema and swelling may be present post-operation. The dressing may maximize coverage of area in articulating joints, such as a knee or elbow, while allowing for substantial range of motion. In some embodiments, the dressing may comprise an adhesive border configured to be adhered to skin around an articulating joint, a skin-interfacing fabric for minimizing skin irritation, a foam body for manifold negative pressure and absorbing exudate and other body fluids, and a thin polymer film cap for sealing the assembly so negative pressure can be maintained throughout the dressing.

No. of Pages : 20 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018749 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : THE PREPARATION OF NATURAL ZEOLITE CATALYST AND THE METHOD OF PRODUCING DIMETHYL ETHER FROM METHYL ALCOHOL USING THIS CATALYST

(51) International classification	:B01J 20/16, C07C 1/24, B01J 29/70, C01B 39/02
(31) Priority Document No	:TR 2017/17129
(32) Priority Date	:02/11/2017
(33) Name of priority country	:Turkey
(86) International Application No	:PCT/IB2018/058610
Filing Date	:02/11/2018
(87) International Publication No	:WO 2019/087139
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TUBITAK

Address of Applicant :Ataturk Bulvari No:221 Kavaklidere / Cankaya 06100 Ankara Turkey

(72)Name of Inventor :

1)ALIBEYLI, Rafig

2)KIRIS, Baris

3)BEHMENYAR, Gamze

4)YASAR, Muzaffer

5)SARIOGLAN, Alper

6)OKUR, Osman

(57) Abstract :

The present invention relates to the preparation of various types of natural zeolite catalysts from natural zeolites such as clinoptilolite and the method of producing dimethyl ether from methyl alcohol using these natural zeolite catalysts.

No. of Pages : 9 No. of Claims : 10

(54) Title of the invention : PRODUCTION OF ARTICLES MADE OF COMPOSITE MATERIALS BY 3D-PRINTING METHOD

(51) International classification :B29C 64/118, B29C 64/20, B33Y 10/00, B33Y 30/00, B29C 47/00

(31) Priority Document No :2017134426

(32) Priority Date :03/10/2017

(33) Name of priority country :Russia

(86) International Application No :PCT/RU2017/000955
Filing Date :20/12/2017

(87) International Publication No :WO 2019/070150

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ANISOPRINT SOCIÉTÉ RESPONSABILITÉ LIMITÉE (S.A.R.L.)

Address of Applicant :9 avenue des Hauts Fourneaux Esch-sur-Alzette L-4362 the Grand Duchy of Luxembourg Luxembourg

(72)Name of Inventor :

1)AZAROV, Andrey Valerievich**2)ANTONOV, Fedor Konstantinovich****3)GOLUBEV, Mikhail Valerievich****4)KHAZIEV, Aleksey Ravkatovich**

(57) Abstract :

The invention relates to the field of additive technologies and can be used for manufacturing components and structures made of composite materials. A device comprises an extruder having inlet channels, a heater, a camera, a temperature sensor, a nozzle for material discharge, mechanisms for feeding material and composite fibre in the form of thread, a thread-cutting mechanism, a table and a three-dimensional displacement mechanism. A method comprises manufacturing composite fibre, feeding same and thermoplastic material into the extruder, and heating up the extruder, wherein the thermoplastic material is combined with the composite fibre. The composite material is then extruded onto the surface of the table, where the composite fibre cools and hardens, and the melt of thermoplastic material solidifies, bonding the composite fibres to one another and forming the article. In addition, in the process of forming the article, the composite fibre is cut and the extruder moves on to the next section of the trajectory thereof.

No. of Pages : 16 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018759 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DATA TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE

(51) International classification :H04W 72/08

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2017/106076

Filing Date :13/10/2017

(87) International Publication No :WO 2019/071576

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)GUANGDONG OPPO MOBILE

TELECOMMUNICATIONS CORP., LTD.

Address of Applicant :No.18 Haibin Road, Wusha, Chang'an

Dongguan, Guangdong 523860 China

(72)Name of Inventor :

1)YANG, Ning

2)ZHANG, Zhi

(57) Abstract :

Provided are a data transmission method, a terminal device and a network device. The method comprises: a terminal device receiving indicator information, said indicator information being used for the terminal device to determine a first transmission power for uplink data in a target time unit; the terminal device determining the first transmission power according to the indicator information; the terminal device sending uplink data to a first network device in accordance with the first transmission power in the target time unit. A data transmission method embodied in the present invention can effectively increase a data transmission success rate.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018762 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FABRICATION FLUIDS

(51) International classification	:C10M 169/04, C10M 173/00, C10N 30/02, C10N 30/12, C10N 30/18	(71)Name of Applicant : 1)HYDRANT INTERNATIONAL TRADING CO., LTD. Address of Applicant :No. 35, Aly 9, Ln. 77, Nong'an St. Zhongshan Dist, Taipei City 104 Taiwan
(31) Priority Document No	:62/570617	(72)Name of Inventor :
(32) Priority Date	:10/10/2017	1)LIANG, Ming, Tang
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/054800	
Filing Date	:08/10/2018	
(87) International Publication No	:WO 2019/074814	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fabrication fluid composition, such as a metal cutting fluid concentrate, contains water, a first surfactant which is an anionic surfactant, a second surfactant which is an amphoteric surfactant, a third surfactant which is selected from an anionic surfactant and an amphoteric surfactant, the third surfactant being different from the first and second surfactants, and water, along with at least one of an anti-rust agent, a coloring agent, and a de-foaming agent. The concentrate may be combined with water to provide a fabrication fluid such as a metal cutting fluid composition that may be applied to a piece of metal being cut for a time and in an amount effective to dissipate heat from the metal being cut.

No. of Pages : 60 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018764 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MORE EFFICIENT USE OF A SINGLE-CHANNEL RECEIVER FOR RECEIVING MULTI-CHANNEL TRANSMISSION

(51) International classification :H04L 1/00, H04L 5/00
(31) Priority Document No :10 2017 220 063.4
(32) Priority Date :10/11/2017
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2018/080777
Filing Date :09/11/2018
(87) International Publication No :WO 2019/092185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
Address of Applicant :Hansastraße 27c 80686 München
Germany
(72)Name of Inventor :
1)KILIAN, Gerd
2)BERNHARD, Josef
3)KNEISSL, Jakob
4)WECHSLER, Johannes
5)OBERNOSTERER, Frank
6)MEYER, Raimund

(57) Abstract :

Embodiments form a data transmitter, which is designed to divide data into a plurality of sub-data-packets, and to transmit the plurality of sub-data-packets in a distributed manner according to a time/frequency hopping pattern, wherein there are non-transmission periods between the sub-data-packets in which there is no transmission, wherein the data transmitter is designed to transmit a synchronisation sub-data-packet on a fixed synchronisation frequency channel, wherein the synchronisation frequency channel and frequency channels, in which the plurality of sub-data-packets are transmitted according to a time/frequency hopping pattern, are different.

No. of Pages : 42 No. of Claims : 85

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018766 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEM AND METHOD FOR HANDLING REEL OF PIPE

(51) International classification :B60P 3/035, B65H 49/18, B65H 49/24, B65H 49/34, B65H 49/38
(31) Priority Document No :62/579980
(32) Priority Date :01/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058441
Filing Date :31/10/2018
(87) International Publication No :WO 2019/089747
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)TRINITY BAY EQUIPMENT HOLDINGS, LLC
Address of Applicant :1201 Louisiana St Suite 2700 Houston, Texas 77002 U.S.A.

(72)Name of Inventor :
1)FRANKLIN-HENSLER, Tim
2)GUERRERO, Jonathan
3)LIMAS, Richard

(57) Abstract :

A system includes a frame and a first pair of rollers coupled to a first side of the frame. The first pair of rollers is configured to support a first end of a pipe reel. The system also includes a first cradle disposed longitudinally between the first pair of rollers and a second pair of rollers coupled to a second side of the frame. The second pair of rollers is configured to support a second end of a pipe reel. The system also includes a second cradle disposed longitudinally between the second pair of rollers, a pipe guide coupled to a third side of the frame between the first and second sides, a pipe brake coupled to the frame, and a pipe re-spooler coupled to the frame.

No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018767 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TREATING IGE-MEDIATED ALLERGIC DISEASES

(51) International classification :A61K 39/395, A61P 37/00, A61P 37/08
(31) Priority Document No :62/579416
(32) Priority Date :31/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2018/112714
Filing Date :30/10/2018
(87) International Publication No :WO 2019/085902
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)ONENESS BIOTECH CO. LTD.

Address of Applicant :11F, No.236, Sec. 4 Xinyi Road, Da'an District Taipei 106 Taiwan China

(72)Name of Inventor :

1)LU, Kung-Ming

2)CHEN, Nien-Yi

3)CHENG, Tien-Tien

(57) Abstract :

Methods for treating a disorder associated with immunoglobulin E (IgE) in a subject with antibodies capable of binding to the Cemx domain of a membrane-bound IgE. The subject can be administered with at least two doses of the antibody, the two doses being at least three months apart.

No. of Pages : 70 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018769 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : APPARATUS AND METHOD FOR OBTAINING SLICE-SUPPORT INFORMATION

(51) International classification	:H04W 48/00, H04W 36/00, H04L 12/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian Longgang District Shenzhen, Guangdong 518129 China
(86) International Application No	:PCT/EP2017/078792	2)WEI, Qing
Filing Date	:09/11/2017	(72)Name of Inventor :
(87) International Publication No	:WO 2019/091562	1)WEI, Qing
(61) Patent of Addition to Application Number	:NA	2)WEI, Qing
Filing Date	:NA	3)OLOFSSON, Henrik
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides an apparatus 100 for an access node, configured to receive slice-support information 101; and/or receive slice-context information 102 and determine slice-support information 101 based on the slice-context information 102; wherein the slice-support 5 information 101 comprises a mapping 103 of a slice 104 to an area 105, in particular a tracking area or a slice-support area; and process a slice-related information 106 based on the slice- support information 101.

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018772 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS FOR GENERATING THERAPEUTIC COMPOSITIONS OF ENGINEERED CELLS

(51) International classification	:C12N 5/0783, C07K 14/725	(71)Name of Applicant : 1)JUNO THERAPEUTICS, INC. Address of Applicant :400 Dexter Ave. N Suite 1200 Seattle, Washington 98109 U.S.A.
(31) Priority Document No	:62/580409	(72)Name of Inventor :
(32) Priority Date	:01/11/2017	1)LEE, Sarah Y.
(33) Name of priority country	:U.S.A.	2)BEAUCHESNE, Pascal
(86) International Application No	:PCT/US2018/058590	3)BONYHADI, Mark L.
Filing Date	:31/10/2018	4)CRISMAN, Ryan L.
(87) International Publication No	:WO 2019/089855	5)LARSON, Ryan P.
(61) Patent of Addition to Application Number	:NA	6)MALLANEY, Mary
Filing Date	:NA	7)RAMSBORG, Christopher Glen
(62) Divisional to Application Number	:NA	8)WEBER, Clinton
Filing Date	:NA	9)WESNER, John Matthew
		10)YEE, Nathan

(57) Abstract :

The present disclosure provides methods for genetically engineering T cells, such as CD4+ T cells, for use in cell therapy. In some aspects, the provided methods include one or more steps for incubating the cells under stimulating conditions, introducing a recombinant polypeptide to the cells through transduction or transfection, and cultivating the cells under conditions that promote proliferation and/or expansion. In some aspects, the incubation and/or the cultivation is performed in the presence of recombinant IL-2. In some aspects, the provided methods are an efficient, reliable means to produce genetically engineered T cells with a high degree of success.

No. of Pages : 240 No. of Claims : 158

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018773 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS FOR PRODUCING A T CELL COMPOSITION

(51) International classification :C12N 5/0783, A61K
35/17, C07K 14/725
(31) Priority Document No :62/580435
(32) Priority Date :01/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058812
Filing Date :01/11/2018
(87) International Publication No :WO 2019/090004
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)JUNO THERAPEUTICS, INC.

Address of Applicant :400 Dexter Avenue N Suite 1200
Seattle, Washington 98109 U.S.A.

2)CELGENE CORPORATION

(72)Name of Inventor :

1)BRAHMANDAM, Archana

2)THOMPSON, Lucas James

3)MORTENSEN, Deborah

4)FILVAROFF, Ellen

(57) Abstract :

Provided herein are methods for producing engineered T cells that express a recombinant receptor, such as for use in cell therapy. In some aspects, the provided methods include one or more steps for incubating the cells under stimulating conditions, introducing a recombinant polypeptide to the cells through transduction or transfection, and/or cultivating the cells under conditions that promote proliferation and/or expansion, in which one or more steps is carried out in the presence of an agent that inhibits mammalian target of rapamycin (mTOR) activity. In some aspects, cultivation is performed in the presence of an agent that inhibits mammalian target of rapamycin (mTOR) activity. In some aspects, the provided methods produce genetically engineered T cells with improved persistence and/or anti-tumor activity in vivo.

No. of Pages : 202 No. of Claims : 111

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018774 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SPACER ASSEMBLY FOR DRUG DELIVERY DEVICE

(51) International classification :A61M 5/315, A61M 5/142
(31) Priority Document No :62/572704
(32) Priority Date :16/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/055895
Filing Date :15/10/2018
(87) International Publication No :WO 2019/079189
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BECTON, DICKINSON AND COMPANY
Address of Applicant :1 Becton Drive Franklin Lakes, New Jersey 07417 U.S.A.
(72)Name of Inventor :
1)AVERY, Richard, James Vincent
2)BOYD, Malcolm, Stanley
3)GAZELEY, Oliver, Charles
4)LEWIS, Gareth, James
5)PLUMPTRE, David, Aubrey
6)SENIOR, James, Alexander

(57) Abstract :

A drive assembly for a drug delivery system including a plunger member configured to engage and move a stopper within a container, a biasing member configured to move the plunger member, and an adjustable spacer assembly positioned between the plunger member and the stopper. The spacer assembly includes a spacer element attached to the stopper and at least one shim or includes a spacer element and a holder to which the spacer element is attached. The holder may be attached to the stopper and the spacer element may be attached to the holder by a threaded engagement. Also, a drug delivery system for injecting a medicament, the system including a container configured to receive a medicament, the container comprising a stopper configured to move within the container and a closure, a drive assembly as described above, and a needle actuator assembly.

No. of Pages : 47 No. of Claims : 21

(54) Title of the invention : CATALYST AND PROCESS FOR THE SELECTIVE CONVERSION OF HYDROCARBONS

(51) International classification	:B01J 23/62, B01J 35/00, B01J 35/08, B01J 35/10, C07C 5/333	(71)Name of Applicant : 1)UOP LLC Address of Applicant :25 East Algonquin Road Des Plaines, Illinois 60017-5017 U.S.A.
(31) Priority Document No	:62/580794	(72)Name of Inventor :
(32) Priority Date	:02/11/2017	1)SERBAN, Manuela
(33) Name of priority country	:U.S.A.	2)COLE, Matthew C.
(86) International Application No	:PCT/US2018/058679	3)ARNOLD, Ellen
Filing Date	:01/11/2018	4)ZHU, Guanghui
(87) International Publication No	:WO 2019/089905	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A catalyst for a selective conversion of hydrocarbons. The catalyst includes a first component selected from the group consisting of Group VIII noble metals and mixtures thereof, a second component selected from the group consisting of alkali metals or alkaline-earth metals and mixtures thereof, and a third component selected from the group consisting of tin, germanium, lead, indium, gallium, thallium and mixtures thereof. The catalyst is a support formed as a spherical catalyst particle with a median diameter between 1.6 mm and 2.5 mm and an apparent bulk density between 0.6 and 0.3 g/cc. Also a process of using such a catalyst for a selective hydrocarbon conversion reaction and a process for regenerating such a catalyst by removing coke from same.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018783 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADSORBENT FOR CONTAMINANT REMOVAL FROM C4 HYDROCARBONS

(51) International classification :C07C 7/13, B01J
20/18
(31) Priority Document No :15/802766
(32) Priority Date :03/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058344
Filing Date :31/10/2018
(87) International Publication No :WO 2019/089684
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)UOP LLC

Address of Applicant :25 East Algonquin Road P.O. Box 5017
Des Plaines, Illinois 60017-5017 U.S.A.

(72)Name of Inventor :

1)CASKEY, Stephen R.

2)SHARMA, Munish Kumar

3)GORAWARA, Jayant K.

4)ROY, Pijus Kanti

5)MODICA, Frank S.

(57) Abstract :

A process is provided for removing contaminants from olefin containing C4 streams. The streams are contacted with an X based zeolite adsorbent comprising greater than 88% X zeolite at a SiO₂/Al₂O₃ ratio of less than 2.5 and an alkali metal salt present in excess of an amount required to achieve full exchange of cation sites on the X based zeolite. The resulting alkali oxide on a volatile free basis is less than 1% (by mass) of the X based adsorbent. The contaminants that are removed include sulfur, oxygenate, and nitrogen based contaminants.

No. of Pages : 11 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018784 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DEHYDROGENATION PROCESS AT REDUCED HYDROGEN TO HYDROCARBON RATIOS

(51) International classification :C07C 5/32, C07C
5/333, B01J 8/00
(31) Priority Document No :62/580794
(32) Priority Date :02/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058726
Filing Date :01/11/2018
(87) International Publication No :WO 2019/089939
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)UOP LLC

Address of Applicant :25 East Algonquin Road Des Plaines,
Illinois 60017-5017 U.S.A.

(72)Name of Inventor :

1)DIGIULIO, Christopher

2)SADLER, Clayton C.

(57) Abstract :

Processes for dehydrogenation of a hydrocarbon feedstock are described. The process can be run at lower H₂/HC ratios and lower RITs while maintaining coke production at the same level as operation at higher H₂/HC ratios and higher RITs without decreasing the yield per pass. Acceptable levels of coke were achieved when operating the process at low hydrogen to hydrocarbon molar ratio in the range of 0.01 to 0.40 and reactor inlet temperatures in the range of 500° - 645°C.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018791 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DEVICE FOR DISPENSING A FLUID PRODUCT

(51) International classification :A61M 15/00, B05B
11/06
(31) Priority Document No :1759549
(32) Priority Date :12/10/2017
(33) Name of priority country :France
(86) International Application No :PCT/FR2018/052492
Filing Date :09/10/2018
(87) International Publication No :WO 2019/073165
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)APTAR FRANCE SAS
Address of Applicant :Lieudit Le Prieur 27110 LE
NEUBOURG France
(72)Name of Inventor :
1)POULLAIN, Franck

(57) Abstract :

Device for dispensing a fluid product, having a dispensing head (1) provided with a dispensing orifice (10), an air vent (20) for generating a flow of air upon actuation of the device, and a reservoir (30) containing a single dose of product, said reservoir (30) having a proximal axial end and a distal axial end and being mounted removably in said dispensing head (1) in such a way that, after the actuation of the device, the empty reservoir can be withdrawn from said device and replaced with a new, full reservoir, said air vent (20) being adapted to return to a rest position in order to permit renewed actuation with said new, full reservoir, said dispensing head (1) having a proximal piercing point (11) adapted to pierce said proximal axial end of said reservoir (30), and said device having a movable piercing member (40) arranged to slide axially around said dispensing head (1) between a loading position and an actuating position, said movable piercing member (40) having a distal piercing point (41) adapted to pierce the distal axial end of said reservoir (30) when said movable piercing member (40) is moved to its actuating position.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018802 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS AND COMPOSITIONS FOR ATTENUATING ANTI-VIRAL TRANSFER VECTOR IGM RESPONSES

(51) International classification	:A61K 39/00, A61K 39/395, A61P 37/06, C07K 16/24	(71)Name of Applicant : 1)SELECTA BIOSCIENCES, INC. Address of Applicant :480 Arsenal Street Building One Watertown, MA 02472 U.S.A.
(31) Priority Document No	:62/572297	(72)Name of Inventor :
(32) Priority Date	:13/10/2017	1)ILYINSKII, Petr
(33) Name of priority country	:U.S.A.	2)ROY, Christopher, J.
(86) International Application No	:PCT/US2018/055660	3)KISHIMOTO, Takashi, Kei
Filing Date	:12/10/2018	
(87) International Publication No	:WO 2019/075360	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are methods and related compositions or kits for administering viral transfer vectors in combination with synthetic nanocarriers comprising an immunosuppressant and an anti-IgM agent.

No. of Pages : 80 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018814 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : USE OF NOX INHIBITORS FOR TREATMENT OF CANCER

(51) International classification	:A61K 39/395, A61K 31/437, A61P 35/00	(71) Name of Applicant : 1)GENKYOTEX SUISSE SA Address of Applicant :16, Chemin des Aulx 1228 PLAN-LES-OUATES Switzerland
(31) Priority Document No	:17199601.0	2)UNIVERSITY OF SOUTHAMPTON
(32) Priority Date	:01/11/2017	(72) Name of Inventor :
(33) Name of priority country	:EPO	1)WIESEL, Philippe
(86) International Application No	:PCT/EP2018/079945	2)HEITZ, Freddy
Filing Date	:01/11/2018	3)THOMAS, Gareth
(87) International Publication No	:WO 2019/086579	4)HANLEY, Christopher
(61) Patent of Addition to Application Number	:NA	5)FORD, Kirsty
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is related to compounds, methods, compositions and uses that are able to restore responsiveness to immunotherapy, in particular immune check point inhibitors or anti-cancer vaccine or to anti-angiogenesis treatment.

No. of Pages : 36 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018822 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITIONS AND METHODS FOR GENE EDITING FOR HEMOPHILIA A

(51) International classification	:C12N 15/113, C12N 9/22, C07K 14/755, A61P 7/04	(71)Name of Applicant : 1)CRISPR THERAPEUTICS AG Address of Applicant :Baarerstrasse 14 6300 Zug Switzerland 2)BAYER HEALTHCARE LLC
(31) Priority Document No	:62/573633	(72)Name of Inventor :
(32) Priority Date	:17/10/2017	1)BROOKS, Alan, Richard
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/056390	
Filing Date	:17/10/2018	
(87) International Publication No	:WO 2019/079527	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided include materials and methods for treating Hemophilia A in a subject ex vivo or in vivo. Also provided include materials and methods for knocking in a FVIII-encoding gene in a genome, in particular the locus of albumin gene.

No. of Pages : 164 No. of Claims : 54

(54) Title of the invention : ANTIBODIES SPECIFIC TO CD47 AND PD-L1

(51) International classification :C07K 16/28, C12N 15/13, C12N 15/63, C12N 5/10, A61K 39/395

(31) Priority Document No :201791961

(32) Priority Date :03/10/2017

(33) Name of priority country :EAPO

(86) International Application No :PCT/EA2018/050001
Filing Date :03/10/2018

(87) International Publication No :WO 2019/068302

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)JOINT STOCK COMPANY BIOCAD

Address of Applicant :Liter A, bld. 34, Svyazi st., Strelna, Petrodvortsoviy district, St.Petersburg, 198515 Russia

(72)Name of Inventor :

1)SOLOVYEV, Kirill Vladimirovich**2)ULITIN, Andrei Borisovich****3)NEMANKIN, Timofey Aleksandrovich****4)SOLOVYEV, Valery Vladimirovich****5)MOROZOV, Dmitry Valentinovich**

(57) Abstract :

The present invention relates to the field of bioengineering, specifically to antibodies or their antigen-binding fragments, and to the use thereof. More particularly, the present invention relates to antibodies that bind specifically to CD47 and PD-L1. The invention also relates to a nucleic acid that codes for the given antibody or for the antigen-binding fragment thereof, to an expression vector, to a method of producing the antibody, and to a use of the aforementioned antibodies and compositions in cancer treatment.

No. of Pages : 109 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018835 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SIGNALING TA-OFFSET IN NR

(51) International classification :H04W 56/00
(31) Priority Document No :62/588037
(32) Priority Date :17/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2018/058934
Filing Date :13/11/2018
(87) International Publication No :WO 2019/097406
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
Address of Applicant :164 83 Stockholm Sweden
(72)Name of Inventor :
1)PALENIUS, Torgny
2)BALDEMAIR, Robert
3)KAZMI, Muhammad
4)LARSSON, Magnus
5)SANDGREN, Magnus
6)WIEMANN, Henning

(57) Abstract :

A method performed by a wireless device for determining a timing advance (TA) offset in a new radio (NR) network is described herein along with associated network devices and systems. An exemplary method includes obtaining an indication of whether a carrier frequency of the NR network coexists with a carrier frequency of a long term evolution (LTE) network, determining, based on whether the carrier frequency of the NR network coexists with carrier frequency of the LTE network, a TA offset for uplink transmission; and transmitting an uplink transmission using the determined TA offset.

No. of Pages : 43 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018836 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AUTO-INJECTOR

(51) International classification	:A61M 5/00, A61M 5/20, A61M 5/46, A61M 5/315, A61M 5/24	(71)Name of Applicant : 1)OWEN MUMFORD LTD Address of Applicant :Brook Hill Woodstock Oxfordshire OX20 1TU U.K.
(31) Priority Document No	:1718315.3	(72)Name of Inventor :
(32) Priority Date	:06/11/2017	1)COWE, Toby
(33) Name of priority country	:U.K.	2)WATTS, Matthew John
(86) International Application No	:PCT/EP2018/080364	3)RAMAKRISHNAN, Dheeraj
Filing Date	:06/11/2018	4)APSEY, Richard
(87) International Publication No	:WO 2019/086718	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An auto-injector (100) for use with a primed safety syringe (200). The auto-injector comprises: a first detector (312) configured, after activation of the auto-injector, to detect movement of a plunger (206, 222) of the safety syringe to a point on a delivery stroke thereof that is indicative of full dose delivery of a substance from the safety syringe.

No. of Pages : 28 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018838 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR REDUCING MICROBIOLOGICAL CONTAMINATION

(51) International classification	:A61L 2/12, A61L 2/18, B65D 51/00	(71)Name of Applicant :
(31) Priority Document No	:10 2017 012 091.9	1)KOCHER-PLASTIK MASCHINENBAU GMBH
(32) Priority Date	:27/12/2017	Address of Applicant :Talstrae 22-30 74429 Sulzbach-Laufen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2018/085235	(72)Name of Inventor :
Filing Date	:17/12/2018	1)SPALLEK, Michael
(87) International Publication No	:WO 2019/129524	2)GESER, Johannes
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for reducing the microbiological contamination in a closed space (6), formed from at least two components connected to one another (1,4), by introducing a germicidal medium into the space (6).

No. of Pages : 10 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018846 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TRANSMISSION SYSTEMS FOR VEHICLES

(51) International classification :F16H 49/00, B62M
6/55
(31) Priority Document No :1716311.4
(32) Priority Date :05/10/2017
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2018/052838
Filing Date :04/10/2018
(87) International Publication No :WO 2019/069084
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)FREEFLOW TECHNOLOGIES LIMITED
Address of Applicant :1 West Regent Street Glasgow G2 1RW
U.K.
(72)Name of Inventor :
1)EDWARDS, Neil
2)MACMARTIN, Neil

(57) Abstract :

The present disclosure relates to transmission systems for vehicles and especially those for use in electric bicycles, where human power is augmented with electric motor derived power. The present disclosure includes various embodiments, where the electric motor is of the harmonic drive type and wherein there is provided a secondary axle or bracket which provides the output of the systems, driven by both the manual input and the motor input, and wherein these two inputs are insulated from one another by placement of one-way clutches, between the flex-spline and the secondary axle or bracket and between the bracket and the primary drive axle. A modular assembly for such transmission systems and a method of assembly and disassembly are also disclosed.

No. of Pages : 32 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018865 A

(19) INDIA

(22) Date of filing of Application :03/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DATA TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE

(51) International classification :H04W 52/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2017/105957

Filing Date :12/10/2017

(87) International Publication No :WO 2019/071544

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)GUANGDONG OPPO MOBILE

TELECOMMUNICATIONS CORP., LTD.

Address of Applicant :No.18 Haibin Road, Wusha, Chang'an

Dongguan, Guangdong 523860 China

(72)Name of Inventor :

1)YANG, Ning

2)ZHANG, Zhi

(57) Abstract :

Provided are a data transmission method, a terminal device, and a network device. The method comprises: a terminal device receives a first offset value sent by a network device; the terminal device determines, according to the first offset value, a first transmission power of uplink data of the terminal device, the first transmission power being less than or equal to a second transmission power, the second transmission power being determined by the terminal device according to the anti-interference ability thereof; and the terminal device sends the uplink data to the network device according to the first transmission power. The data transmission method according to the embodiments of the present invention may ensure that the transmission power of the uplink data of the terminal device is less than the second transmission power, thereby improving the success rate of data transmission.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018866 A

(19) INDIA

(22) Date of filing of Application :03/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : VACCINE COMPOSITIONS

(51) International classification :A61K 39/39, A61K 39/04, A61P 37/04, A61P 31/04
(31) Priority Document No :1718251.0
(32) Priority Date :03/11/2017
(33) Name of priority country :U.K.
(86) International Application No :PCT/AU2018/051195
Filing Date :05/11/2018
(87) International Publication No :WO 2019/090386
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)THE UNIVERSITY OF SYDNEY

Address of Applicant :Parramatta Road The University Of Sydney, New South Wales 2006 Australia

2)MEAT & LIVESTOCK AUSTRALIA LIMITED

(72)Name of Inventor :

1)WHITTINGTON, Richard

2)PURDIE, Auriol

3)DE SILVA, Kumudika

4)PLAIN, Karren

5)BEGG, Douglas

6)DHUNGYEL, Om

(57) Abstract :

The present invention is directed to novel vaccine compositions and methods for immunising subjects against Mycobacterium avium subspecies paratuberculosis. The invention involves the use of mineral oil adjuvants, or white mineral oil adjuvants, more specifically those having CAS 8042-47-5, CAS 1335203-18-3, CAS 1174522-45-2, CAS 1335203-17-2 (or EC equivalents 232- 455-8, 932-078-5, 934-954-2 and 934-956-3, respectively) to reduce lesions or adverse reactions.

No. of Pages : 41 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018874 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITION FOR CYTOTOXIC T CELL DEPLETION

(51) International classification	:A61K 39/395, A61P 29/00, A61P 37/06, A61P 43/00, C07K 16/28	(71)Name of Applicant : 1)DAIICHI SANKYO COMPANY, LIMITED Address of Applicant :3-5-1, Nihonbashi Honcho, Chuo-ku, Tokyo 1038426 Japan
(31) Priority Document No	:2017-194945	(72)Name of Inventor :
(32) Priority Date	:05/10/2017	1)MUKASA Ryuta
(33) Name of priority country	:Japan	2)KIYOSAWA Naoki
(86) International Application No	:PCT/JP2018/037139	3)YAMADA Shinnosuke
Filing Date	:04/10/2018	
(87) International Publication No	:WO 2019/070013	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a novel composition. A composition for cytotoxic T cell depletion, the composition including an anti-LAG-3 antibody or a binding fragment thereof that has the properties described in (i) to (iii): (i) has in vitro ADCC activity; (ii) reduces the number of LAG-3-positive cells in vivo in low-fucose form; and (iii) binds to human activated T cells.

No. of Pages : 239 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018879 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CASZ COMPOSITIONS AND METHODS OF USE

(51) International classification	:C12N 9/22, C12Q 1/6809, C12Q 1/6816	(71)Name of Applicant :
(31) Priority Document No	:62/580395	1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
(32) Priority Date	:01/11/2017	Address of Applicant :1111 Franklin Street, 12th Floor
(33) Name of priority country	:U.S.A.	Oakland, California 94607 U.S.A.
(86) International Application No	:PCT/US2018/058545	(72)Name of Inventor :
Filing Date	:31/10/2018	1)DOUDNA, Jennifer A.
(87) International Publication No	:WO 2019/089820	2)BURSTEIN, David
(61) Patent of Addition to Application Number	:NA	3)CHEN, Janice S.
Filing Date	:NA	4)HARRINGTON, Lucas B.
(62) Divisional to Application Number	:NA	5)PAEZ-ESPINO, David
Filing Date	:NA	6)BANFIELD, Jillian F.

(57) Abstract :

Provided are compositions and methods that include one or more of: (1) a CasZ protein (also referred to as a CasZ polypeptide), a nucleic acid encoding the CasZ protein, and/or a modified host cell comprising the CasZ protein (and/or a nucleic acid encoding the same); (2) a CasZ guide RNA that binds to and provides sequence specificity to the CasZ protein, a nucleic acid encoding the CasZ guide RNA, and/or a modified host cell comprising the CasZ guide RNA (and/or a nucleic acid encoding the same); and (3) a CasZ transactivating noncoding RNA (trancRNA) (referred to herein as a CasZ trancRNA), a nucleic acid encoding the CasZ trancRNA, and/or a modified host cell comprising the CasZ trancRNA (and/or a nucleic acid encoding the same).

No. of Pages : 150 No. of Claims : 86

(54) Title of the invention : CATHODE MATERIAL FOR LITHIUM SECONDARY BATTERY, AND CATHODE AND LITHIUM SECONDARY BATTERY WHICH COMPRISE SAME

(51) International classification :H01M 4/36, H01M 4/525, H01M 4/505, H01M 4/485, H01M 10/052

(31) Priority Document No :10-2017-0155957

(32) Priority Date :21/11/2017

(33) Name of priority country :Republic of Korea

(86) International Application No :PCT/KR2018/014379

Filing Date :21/11/2018

(87) International Publication No :WO 2019/103463

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)LG CHEM, LTD.

Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea

(72)Name of Inventor :

1)LEE, Dong Hun

2)JUNG, Wang Mo

3)PARK, Sung Bin

4)KIM, Ji Hye

5)KIM, Dong Hwi

6)CHO, Hyung Man

7)HAN, Jung Min

(57) Abstract :

The present invention relates to: a cathode material comprising a first cathode active material represented by chemical formula 1 and a second cathode active material represented by chemical formula 2, wherein the cathode material has a bimodal particle distribution comprising large-diameter particles and small-diameter particles, and the difference in average diameter (D50) between the large-diameter particles and the small-diameter particles is at least 3 μm ; and a cathode and a lithium secondary battery which comprise the same.

No. of Pages : 37 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018897 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MANAGING A COMPUTING CLUSTER BASED ON CONSISTENCY OF STATE UPDATES

(51) International classification	:G06F 9/52
(31) Priority Document No	:62/579225
(32) Priority Date	:31/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/058225
Filing Date	:30/10/2018
(87) International Publication No	:WO 2019/089606
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AB INITIO TECHNOLOGY LLC
Address of Applicant :201 Spring Street Lexington,
Massachusetts 02421 U.S.A.
(72)**Name of Inventor :**
1)STANFILL, Craig W.

(57) Abstract :

A method for processing state update requests in a distributed data processing system includes processing a set of state update requests associated with a first time interval including maintaining a count of issued state update requests for the set of state update requests, maintaining a count of state updates performed for the first set of state update requests, and updating a state consistency indicator to indicate that state updates associated with all state update requests of the first set of state update requests have been performed in response to determining that the count of state updates performed for the first set of state update requests equals the count of issued state update requests for the first set of state update requests.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018913 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPLEMENTARY MATERIAL DISPENSER IN A BODY WASTE COLLECTING APPLIANCE AND AN OSTOMY APPLIANCE SYSTEM

(51) International classification :A61F 5/44, A61F
5/445
(31) Priority Document No :PA 2017 70839
(32) Priority Date :08/11/2017
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2018/050281
Filing Date :02/11/2018
(87) International Publication No :WO 2019/091529
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)COLOPLAST A/S
Address of Applicant :Holtedam 1 3050 Humlebaek Denmark
(72)Name of Inventor :
1)MORGAN HICKMOTT, Richard

(57) Abstract :

Disclosed is a complementary material (20) dispenser attachable to an interior surface (30) of a top portion (28) of a collecting bag (22) for body waste to provide dispensing of complementary material (26) from the dispenser towards a material allocation zone (32) at the top portion (28) of the collecting bag. Also disclosed is an ostomy appliance system including a complementary material dispenser.

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018914 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN ADHESIVE WAFER WITH A NEUTRALIZER MATRIX

(51) International classification	:A61F 5/443, A61F 5/448	(71)Name of Applicant : 1)COLOPLAST A/S Address of Applicant :Holtedam 1 3050 Humlebaek Denmark
(31) Priority Document No	:PA 2017 70837	(72)Name of Inventor :
(32) Priority Date	:08/11/2017	1)FELDSKOV NIELSEN, Lene
(33) Name of priority country	:Denmark	2)RAMOS GALLEGO, Monica
(86) International Application No	:PCT/DK2018/050280	
Filing Date	:02/11/2018	
(87) International Publication No	:WO 2019/091528	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An adhesive wafer for an ostomy device, the wafer comprising a skin-facing adhesive layer, a backing layer on the non-skin-facing side of the adhesive layer, and a hole for accommodating a stoma. On the central portion of the backing layer is located a release layer being configured to release a neutralizer. The neutralizer is capable of neutralizing or at least minimizing the level of skin or adhesive aggressiveness of the output.

No. of Pages : 15 No. of Claims : 13

(54) Title of the invention : HEAT-SEALABLE, LIQUID IMPERVIOUS FABRIC

(51) International classification	:B32B 3/02, B32B 5/02, B32B 7/12, B32B 27/36	(71)Name of Applicant : 1)AHLSTROM-MUNKSJ- OYJ Address of Applicant :Alvar Aallon katu 3 C 00100 Helsinki Finland
(31) Priority Document No	:62/584865	(72)Name of Inventor :
(32) Priority Date	:12/11/2017	1)PIESCIK, Stephen M.
(33) Name of priority country	:U.S.A.	2)JASTI, Vamsi Krishna
(86) International Application No	:PCT/EP2018/069378	
Filing Date	:17/07/2018	
(87) International Publication No	:WO 2019/091607	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Breathable barrier fabrics for protective garments that form liquid impervious seams when overlapped and sealed together via heat-sealing, and the seams formed thereby. The breathable barrier fabric is a heat-sealable, liquid impervious fabric composed of a breathable, liquid impervious thermoplastic film layer having a first melting point and a nonwoven layer bonded to a first surface of the thermoplastic film layer. The nonwoven layer has a second melting point that is higher than the first melting point of the thermoplastic film layer. A second nonwoven layer having the second melting temperature may be bonded to a second surface of the thermoplastic film layer opposite the first surface such that the inner film layer has a lower melting point than the outer nonwoven layers. The heat-sealable, liquid impervious fabric has a moisture vapor transmission rate of at least 800 g/m²/day as determined by ASTM E96-00.

No. of Pages : 25 No. of Claims : 17

(54) Title of the invention : DEVICE FOR RADIOELECTRIC STIMULATION BY SELF-REFERENCED RADIANT PANEL

(51) International classification :G01S 17/08, G01S 7/40, H01Q 3/26, G01R 29/10, G01S 7/02

(31) Priority Document No :1701141

(32) Priority Date :07/11/2017

(33) Name of priority country :France

(86) International Application No :PCT/EP2018/074121
Filing Date :07/09/2018

(87) International Publication No :WO 2019/091625

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)THALES

Address of Applicant :TOUR CARPE DIEM Place des Corolles Esplanade Nord 92400 COURBEVOIE France

(72)Name of Inventor :

1)JAHAN, Daniel**2)MAZEAU, Thierry****3)FORMONT, Stphane**

(57) Abstract :

The invention relates to a device for radioelectric stimulation of an antenna, comprising at least one emitting subunit (52) formed by an array (55) of radiating elements (551) and an array (54) of photoelectric receivers (541); as well as a generator (51) which synthesises a set of electrical signals (511) intended for energising each radiating element (551). The electrical signals (511) are transmitted to the emitting subunit (52) in the form of modulated light waves, which are multiplexed to form a composite laser beam (53) which illuminates the array (54) of photoelectric receivers (541). Each of the photoelectric receivers (541) receives a light wave (513). The array (54) of photoelectric sensors (541) and the array of radiating elements (551) have substantially identical arrangements. Each photoelectric receiver (541) is connected to a radiating element (551) which, in its array, occupies a position identical to that which the receiver (541) occupies within its own array or a position symmetrical with the latter.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018917 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AN ADHESIVE WAFER WITH A NEUTRALIZER MATRIX

(51) International classification	:A61F 5/443, A61F 5/448	(71)Name of Applicant :
(31) Priority Document No	:PA 2017 70835	1)COLOPLAST A/S
(32) Priority Date	:08/11/2017	Address of Applicant :Holtedam 1 3050 Humlebaek Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor :
(86) International Application No	:PCT/DK2018/050278	1)OLSEN, Henrik
Filing Date	:02/11/2018	2)HANSEN, Kristoffer
(87) International Publication No	:WO 2019/091526	3)RAVNBAK, Simon
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An adhesive wafer for an ostomy device, the wafer comprising a skin-facing adhesive layer, a backing layer on a part of the non-skin-facing side of the adhesive layer, and a hole for accommodating a stoma. On the central portion of the wafer is located a release layer being configured to release a neutralizer. The release layer is in direct contact with the adhesive layer. The neutralizer is capable of neutralizing or at least minimizing the level of skin or adhesive aggressiveness of the output.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018918 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADENOVIRUS VECTORS AND USES THEREOF

(51) International classification	:C12N 15/86, C07K 14/005, A61K 39/12	(71)Name of Applicant :
(31) Priority Document No	:17199350.4	1)JANSSEN VACCINES & PREVENTION B.V.
(32) Priority Date	:31/10/2017	Address of Applicant :Archimedesweg 4 2333 CN Leiden
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2018/079719	(72)Name of Inventor :
Filing Date	:30/10/2018	1)UIL, Taco, Gilles
(87) International Publication No	:WO 2019/086461	2)ROY, Soumitra
(61) Patent of Addition to Application	:NA	3)VELLINGA, Jort
Number	:NA	4)KHAN, Selina
Filing Date	:NA	5)CUSTERS, Jer´me, H., H., V.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are chimeric adenoviral vectors. The provided chimeric adenoviral vectors can be used to induce a protective immune response in a subject.

No. of Pages : 34 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018919 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ENANTIONSELECTIVE ENZYMATIC SULFOXIDATION OF CHIRAL ARYLSULFIDES

(51) International classification :C12N 9/02
(31) Priority Document No :17202022.4
(32) Priority Date :16/11/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/068978
Filing Date :12/07/2018
(87) International Publication No :WO 2018/206823
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)BAYER AKTIENGESELLSCHAFT

Address of Applicant :Kaiser-Wilhelm-Allee 1 51373

Leverkusen Germany

(72)Name of Inventor :

1)KOCH, Rainhard

2)KLAFFL, Simon

3)SPELBERG, Markus

4)TISCHLER, Dirk

5)SCHL-MANN, Michael

6)SCHOLTISSEK, Anika

7)HEINE, Thomas

8)BHLER, Bruno

9)SCHMID, Andreas

10)WILLRODT, Christian

(57) Abstract :

What is described herein refers to isolated nucleic acid fragments encoding an oxygenase subunit (StyA) and a reductase subunit (StyB), wherein the polypeptide encoded for by the nucleotide sequence for the oxygenase subunit (StyA) and the nucleotide sequence for the reductase subunit (StyB) have activity towards chiral arylsulfides.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018920 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADENOVIRUS AND USES THEREOF

(51) International classification	:C07K 14/075, C12N 7/04, C12N 15/861	(71)Name of Applicant :
(31) Priority Document No	:17199354.6	1)JANSSEN VACCINES & PREVENTION B.V.
(32) Priority Date	:31/10/2017	Address of Applicant :Archimedesweg 4 2333 CN Leiden
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2018/079725	(72)Name of Inventor :
Filing Date	:30/10/2018	1)UIL, Taco, Gilles
(87) International Publication No	:WO 2019/086466	2)ROY, Soumitra
(61) Patent of Addition to Application	:NA	3)KHAN, Selina
Number	:NA	4)CUSTERS, Jer´me, H., H., V.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein are adenoviral nucleic acid sequences and adenoviral vectors comprising said nucleic acid sequences. The provided adenoviral vectors can be used to induce a protective immune response in a subject.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018922 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SOLID FORMS OF 3-(5-FLUOROBENZOFURAN-3-YL)-4-(5-METHYL-5H-[1,3]DIOXOLO[4,5-F]INDOL-7-YL)PYRROLE-2,5-DIONE

(51) International classification	:C07D 491/056, A61P 35/00, A61K 31/407
(31) Priority Document No	:62/572603
(32) Priority Date	:16/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/056083
Filing Date	:16/10/2018
(87) International Publication No	:WO 2019/079299
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)ACTUATE THERAPEUTICS INC.

Address of Applicant :1401 Foch St, Suite 140 Fort Worth,
TX 76107 U.S.A.

(72)Name of Inventor :

1)ZHANG, Yamin

(57) Abstract :

The present disclosure relates to solid forms of 3-(5-Fluorobenzofuran-3-yl)-4-(5-methyl-5H-[1,3]dioxolo[4,5-f]indol-7-yl) pyrrole-2,5-dione, processes for preparation thereof, pharmaceutical compositions thereof, and uses thereof in treating disease.

No. of Pages : 21 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018923 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FUSE WITH REVERSIBLE AIRBRAKE

(51) International classification	:F42B 10/50, F42C 19/02, F42B 10/22
(31) Priority Document No	:1700294-0
(32) Priority Date	:28/11/2017
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2018/051085
Filing Date	:24/10/2018
(87) International Publication No	:WO 2019/108106
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)BAE SYSTEMS BOFORS AB

Address of Applicant :N/A 691 80 Karlskoga Sweden

(72)Name of Inventor :

1)PETTERSSON, Thomas

2)EKBERG, Anders

(57) Abstract :

The present invention concerns a fuse (3) with a reversible airbrake (1) intended for a projectile (2), wherein the airbrake (1) is arranged such that errors which occur in the flight path of the projectile (2) can be corrected by performing one or more extensions 5 and retractions of the airbrake (1). The airbrake (1) comprises at least two braking surfaces (8) symmetrically arranged each behind a respective protective device (5) arranged on the casing surface (4) of the fuse (3), wherein the brake surfaces (8) can be extended and retracted in a rotational direction behind said at least two protective devices (5) via a twist shaft arranged centrally in the fuse (3).

No. of Pages : 10 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018924 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : KIT OF PARTS AND A COMPLEMENTARY-MATERIAL ELEMENT FOR AN OSTOMY APPLIANCE

(51) International classification :A61F 5/44, A61F
5/445
(31) Priority Document No :PA 2017 70838
(32) Priority Date :08/11/2017
(33) Name of priority country :Denmark
(86) International Application No :PCT/DK2018/050289
Filing Date :07/11/2018
(87) International Publication No :WO 2019/091532
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)COLOPLAST A/S
Address of Applicant :Holtedam 1 3050 Humlebaek Denmark
(72)Name of Inventor :
1)OLSEN, Henrik
2)DAUCKE VON BARNER, Joergen
3)HANSEN, Kristoffer
4)MORGAN HICKMOTT, Richard
5)BJARKE BONN%, Tune

(57) Abstract :

Disclosed is a complementary-material element (22) attachable to a base plate (24) of an ostomy appliance (20) and including a first entity (30) and a second entity (32). The entities comprise different material compositions. The material composition of the second entity comprises a neutralizer which is released from the complementary- material element in response to moisture, thereby neutralizing the damaging effects of stomal output.

No. of Pages : 29 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018925 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPLEMENTARY-MATERIAL ELEMENT FOR AN OSTOMY APPLIANCE

(51) International classification	:A61F 5/443, A61F 5/448	(71)Name of Applicant :
(31) Priority Document No	:PA 2017 70836	1)COLOPLAST A/S
(32) Priority Date	:08/11/2017	Address of Applicant :Holtedam 1 3050 Humlebaek Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor :
(86) International Application No	:PCT/DK2018/050279	1)MORGAN HICKMOTT, Richard
Filing Date	:02/11/2018	2)HOLLER LANGHORN, Philip
(87) International Publication No	:WO 2019/091527	3)HANSEN, Kristoffer
(61) Patent of Addition to Application Number	:NA	4)DAUCKE VON BARNER, Joergen
Filing Date	:NA	5)GROVE SUND, Anders
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A complementary-material element configured to be attachable to a base plate of an ostomy appliance and comprising a release layer, the element comprising a release layer comprises a neutralizing component configured to be releasable from the complementary-material element in response to subjection of the complementary-material element to moisture. The complementary-material element comprises a first surface and a second surface, wherein the first surface is provided with a first cover layer.

No. of Pages : 21 No. of Claims : 17

(54) Title of the invention : METHODS, INFRASTRUCTURE EQUIPMENT AND COMMUNICATIONS DEVICE

(51) International classification	:H04W 72/04, H04W 72/00	(71)Name of Applicant :
(31) Priority Document No	:17202196.6	1)SONY CORPORATION
(32) Priority Date	:16/11/2017	Address of Applicant :1-7-1 Konan Minato-ku, Tokyo 108-0075 Japan
(33) Name of priority country	:EPO	2)SONY EUROPE LIMITED
(86) International Application No	:PCT/EP2018/081464	(72)Name of Inventor :
Filing Date	:15/11/2018	1)BEALE, Martin Warwick
(87) International Publication No	:WO 2019/096950	2)WONG, Shin Horng
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method is performed by a wireless communications device of transmitting measurement reports to an infrastructure equipment. The method comprises receiving signals transmitted by the infrastructure equipment, measuring a characteristic associated with the received signals, and selecting an index value from one of a plurality of index values. Each of the index values represents a range of values of the characteristic for which communications parameters of a transmitter in the infrastructure equipment and a receiver in the communication device should have to achieve an acceptable communications performance for values of the characteristic within the range of values of the characteristic. The selected index value represents the communications parameters of the transmitter and the receiver which will satisfy the acceptable communications performance over a range of values of the characteristic including the measured value of the characteristic. The method further comprises, subject to the selected index value, transmitting the selected index value to the infrastructure equipment. Furthermore, a separation between the range of values of the characteristic for communications parameters achieving an acceptable performance corresponding to at least two of the plurality of indexes is not equal to a separation between the range of values of the characteristic for communications parameters achieving an acceptable performance corresponding to two others of the plurality of indexes.

No. of Pages : 23 No. of Claims : 21

(54) Title of the invention : SILK-LIKE WOVEN GARMENT CONTAINING OR CONSISTING OF LYOCELL FILAMENTS

(51) International classification	:D03D 1/00, D03D 15/00, D01F 2/00	(71)Name of Applicant :
(31) Priority Document No	:17195315.1	1)LENZING AKTIENGESELLSCHAFT
(32) Priority Date	:06/10/2017	Address of Applicant :Werkstrae 2 4860 Lenzing Austria
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2018/075337	1)CARLS, Susanne
Filing Date	:19/09/2018	2)NEUNTEUFEL, Martin
(87) International Publication No	:WO 2019/068467	3)EICHINGER, Dieter
(61) Patent of Addition to Application Number	:NA	4)SCHREMPF, Christoph
Filing Date	:NA	5)ABU-ROUS, Mohammad
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Silk woven fabric is known and renowned for its touch. The drawback of silk, however, is its price, its poor washability, and low resistance against certain chemical treatments. It is therefore the object of the invention to provide a silk-like woven fabric which overcomes these problems. According to the invention, this problem is solved by providing a silk-like woven fabric (2) made from weft yarns (4) and warp yarns (6), wherein at least one of the weft yarns (4) and the warp yarns (6) contains or consists of lyocell filaments (8). Especially twisted lyocell filament yarns are used, the resulting material has a touch comparable to silk and physical properties that are equal to or even surpass those of silk. Moreover, the lyocell filament yarns (4, 6) may have a higher twist than silk yarns, other cellulose yarns, or synthetic yarns.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018928 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FLAME RETARDANT LYOCELL FILAMENT

(51) International classification	:D01F 1/07, D01F 2/00, D02G 3/44, D03D 15/12, D01F 2/02	(71)Name of Applicant : 1)LENZING AKTIENGESELLSCHAFT Address of Applicant :Werkstrae 2 4860 Lenzing Austria
(31) Priority Document No	:17001649.7	(72)Name of Inventor :
(32) Priority Date	:06/10/2017	1)MALINOWSKY, Robert
(33) Name of priority country	:EPO	2)NEUNTEUFEL, Martin
(86) International Application No	:PCT/EP2018/077295	3)CRNOJA-COSIC, Marina
Filing Date	:08/10/2018	4)BISJAK, Clemens
(87) International Publication No	:WO 2019/068927	5)EICHINGER, Dieter
(61) Patent of Addition to Application Number	:NA	6)SCHREMPF, Christoph
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a filament having flame retardant properties, as well as methods for its preparation and its use. The filament according to the invention are Lyocell filaments.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018929 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PYRIDINE CARBONYL DERIVATIVES AND THERAPEUTIC USES THEREOF AS TRPC6 INHIBITORS

(51) International classification	:C07D 401/14, C07D 213/04, A61K 31/45, A61K 31/501	(71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH Address of Applicant :Binger Strasse 173 55216 Ingelheim am Rhein Germany
(31) Priority Document No	:62/577883	2)HYDRA BIOSCIENCES, LLC
(32) Priority Date	:27/10/2017	(72)Name of Inventor :
(33) Name of priority country	:U.S.A.	1)BOUYSSOU, Thierry
(86) International Application No	:PCT/EP2018/079276	2)GOTTSCHLING, Dirk
Filing Date	:25/10/2018	3)HEINE, Niklas
(87) International Publication No	:WO 2019/081637	4)SMITH KEENAN, Lana Louise
(61) Patent of Addition to Application Number	:NA	5)LOWE, Michael D.
Filing Date	:NA	6)RAZAVI, Hossein
(62) Divisional to Application Number	:NA	7)SARKO, Christopher Ronald
Filing Date	:NA	8)SURPRENANT, Simon
		9)TAKAHASHI, Hidenori
		10)TURNER, Michael Robert
		11)WU, Xinyuan

(57) Abstract :

The invention relates to compounds of formula (I), and pharmaceutically acceptable salts thereof, wherein R1 to R7, A, Y and L are as defined herein. The invention also relates to pharmaceutical compositions comprising these compounds, methods of using these compounds in the treatment of various diseases and disorders, processes for preparing these compounds and intermediates useful in these processes.

No. of Pages : 156 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018948 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : VARIABLE VENTURI ASSIST PRESSURE REGULATOR

(51) International classification :G05D 16/06
(31) Priority Document No :62/591830
(32) Priority Date :29/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/061750
Filing Date :19/11/2018
(87) International Publication No :WO 2019/108427
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PARKER-HANNIFIN CORPORATION
Address of Applicant :6035 Parkland Blvd. Cleveland, OH
44124-4141 U.S.A.
(72)**Name of Inventor :**
1)MORGAN, Dan, P.

(57) Abstract :

A pressure regulator includes a valve body that defines an inlet and an outlet for a fluid flow through the valve body, a poppet that is moveable within the valve body between an open position and a closed position to control the fluid flow from the inlet to the outlet, and a pressure regulating mechanism that controls a position of the poppet between the open and closed positions. The pressure regulating mechanism includes a diaphragm and a compression spring, and a force balance between the diaphragm and the compression spring determines the position of the poppet. The pressure regulating mechanism further includes a static pressure tap configured to apply a static pressure to the diaphragm, and a dynamic pressure tap configured to apply a dynamic pressure to the diaphragm. The dynamic pressure tap is located at an annular opening adjacent to the poppet, and an area of the annular opening varies with the position of the poppet to vary the dynamic pressure applied to the diaphragm.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018953 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS FOR THE TRANSITION METAL CATALYZED CYANATION OF ARYL/VINYL HALIDES

(51) International classification	:B01J 31/14, B01J 31/24, C07C 253/30
(31) Priority Document No	:10 2017 123 128.5
(32) Priority Date	:05/10/2017
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2018/076789
Filing Date	:02/10/2018
(87) International Publication No	:WO 2019/068707
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)STUDIENGESELLSCHAFT KOHLE MBH

Address of Applicant :Kaiser-Wilhelm-Platz 1 45470

Mülheim Germany

(72)Name of Inventor :

1)MORANDI, Bill

2)YU, Peng

(57) Abstract :

The present invention refers to a process for a transition metal, particularly nickel-catalyzed cyanation reaction of aryl/vinyl halide using organic nitrile compounds. This new reaction provides a strategically distinct approach to the safe preparation of aryl/vinyl cyanides, which are essential compounds in agrochemistry and medicinal chemistry.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018963 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : GENE TARGETS FOR NITROGEN FIXATION TARGETING FOR IMPROVING PLANT TRAITS

(51) International classification :C05F 11/08, C07K
14/195, C12N 1/20,
C12N 9/12, C12N
15/10
(31) Priority Document No :62/577149
(32) Priority Date :25/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/057613
Filing Date :25/10/2018
(87) International Publication No :WO 2019/084342
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)PIVOT BIO, INC.

Address of Applicant :2929 7th Street, Suite 120 Berkeley,
California 94710 U.S.A.

(72)Name of Inventor :

1)TAMSIR, Alvin

2)BLOCH, Sarah

3)SHAH, Neal

(57) Abstract :

Methods and systems are provided for generating and utilizing a genetically engineered bacterium comprising a modification in *glnD*, wherein said modification is selected from the group consisting of: deletion of the entire gene, deletion of substantially the entire gene, deletion of an ACT domain, deletion of more than 50% of an ACT domain, deactivation of an ACT domain, and deactivation of an UTase domain.

No. of Pages : 149 No. of Claims : 47

(54) Title of the invention : EPIDERMAL GROWTH FACTOR RECEPTOR INHIBITORS

<p>(51) International classification :C07D 401/06, C07D 403/06, C07D 239/42, C07D 213/74, C07D 401/10</p> <p>(31) Priority Document No :2017135686</p> <p>(32) Priority Date :06/10/2017</p> <p>(33) Name of priority country :Russia</p> <p>(86) International Application No :PCT/RU2018/050122 Filing Date :05/10/2018</p> <p>(87) International Publication No :WO 2019/070167</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)JOINT STOCK COMPANY BIOCAD Address of Applicant :Liter A, 34, Svyazi st., Strelna, Petrodvortsoviy district St.Petersburg, 198515 Russia</p> <p>(72)Name of Inventor : 1)ZAVIALOV, Kirill Vadimovich 2)GORBUNOVA, Svetlana Leonidovna 3)SHEKHAUTSOU, Artsiom Evgenievich 4)KASATKINA, Mariia Andreevna 5)BEKETOVA, Daria Dmitrievna 6)KOZHEMYAKINA, Natalia Vladimirovna 7)KULISH, Kirill Igorevich 8)MAKSIMENKO, Elena Aleksandrovna 9)MELESHINA, Marina Viktorovna 10)MELCHAEVA, Olga Anatolevna 11)MINDICH, Aleksei Leonidovich 12)MOROZOV, Dmitry Valentinovich 13)POPKOVA, Aleksandra Vladimirovna 14)SMETANIN, Ilia Alexeevich 15)SILONOV, Sergey Aleksandrovich 16)SOLDATOVA, Iaroslavna Alexandrovna 17)IAKOBSON, Georgii Viktorovich</p>
--	--

(57) Abstract :

The present group of inventions relates to novel compounds having formula (I), and to the salts, solvates or stereoisomers thereof, as well as to a pharmaceutical composition, a method of inhibiting the biological activity of epidermal growth factor receptor (EGFR), a method of treating diseases or disorders mediated by EGFR activity, and the use of the claimed compounds or the aforementioned composition for treating a disease or a disorder mediated by EGFR activity.

No. of Pages : 126 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018968 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CHIMERIC YELLOW FEVER ZIKA VIRUS STRAIN

(51) International classification :A61K 39/12
(31) Priority Document No :1716307.2
(32) Priority Date :05/10/2017
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2018/077167
Filing Date :05/10/2018
(87) International Publication No :WO 2019/068885
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)KATHOLIEKE UNIVERSITEIT LEUVEN
Address of Applicant :KU Leuven R&D Waaistraat 6 - box
5105 3000 Leuven Belgium
(72)**Name of Inventor :**
1)DALLMEIER, Kai
2)KUM, Dieudonn, Buh
3)MISHRA, Niraj
4)NEYTS, Johan
5)SCHMID, Michael, Alexander

(57) Abstract :

The present invention relates to chimeric yellow fever - Zika strains and attenuated versions thereof, wherein the nucleotide sequence encoding the signal sequence and prME protein of said yellow virus is replaced by a nucleotide sequence encoding the signal sequence and the prME protein of a Zika virus.

No. of Pages : 32 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018969 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : IMPLANTABLE DEPOTS FOR THE CONTROLLED RELEASE OF THERAPEUTIC AGENTS

(51) International classification	:A61K 9/70, A61P 23/02, A61P 25/04, A61P 29/00, A61K 31/445	(71)Name of Applicant : 1)FOUNDRY THERAPEUTICS, INC. Address of Applicant :4040 Campbell Ave, Ste 110 Menlo Park, CA 94025 U.S.A.
(31) Priority Document No	:62/569349	(72)Name of Inventor :
(32) Priority Date	:06/10/2017	1)NAGA, Karun, D.
(33) Name of priority country	:U.S.A.	2)BOYD, Stephen, W.
(86) International Application No	:PCT/US2018/054777	3)RUANE, Patrick, H.
Filing Date	:06/10/2018	4)HANCOCK, Jackie, Joe
(87) International Publication No	:WO 2019/071243	5)FELDSTEIN, Michael
(61) Patent of Addition to Application Number	:NA	6)TEU, Koon, Kiat
Filing Date	:NA	7)WANG, Honglei
(62) Divisional to Application Number	:NA	8)LUO, Jingnan
Filing Date	:NA	9)SEET, Daniel Boon, Lim
		10)GIFFORD, III, Hanson, S.

(57) Abstract :

The present technology relates to depots for the treatment of postoperative pain via sustained, controlled release of a therapeutic agent. In some embodiments, the depot may comprise a therapeutic region comprising an analgesic, and a control region comprising a bioresorbable polymer and a releasing agent mixed with the polymer. The releasing agent may be configured to dissolve when the depot is placed in vivo to form diffusion openings in the control region. The depot may be configured to be implanted at a treatment site in vivo and, while implanted, release the therapeutic agent at the treatment site for no less than 3 days.

No. of Pages : 121 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018970 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ABUSE DETERRENT MORPHINE SULFATE DOSAGE FORMS

(51) International classification	:A61K 31/485, A61K 9/22, A61K 9/48, A61K 47/10	(71)Name of Applicant : 1)PURDUE PHARMA L.P. Address of Applicant :One Stamford Forum 201 Tresser Boulevard Stamford, CT 06901 U.S.A.
(31) Priority Document No	:62/607991	(72)Name of Inventor :
(32) Priority Date	:20/12/2017	1)HUANG, Haiyong, Hugh
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/066165	
Filing Date	:18/12/2018	
(87) International Publication No	:WO 2019/126125	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a solid oral extended release pharmaceutical dosage form comprising a cured extended release matrix formulation, the extended release matrix formulation comprising: a therapeutically effective amount of morphine sulfate, and polyethylene oxide. The invention further relates to a process of preparing the dosage form as well as to a method of treating pain by administering the dosage form

No. of Pages : 339 No. of Claims : 87

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018971 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ANTIMICROBIAL SUPERABSORBENT COMPOSITIONS

(51) International classification :A01N 59/00, A01N 63/02, A01N 25/10, A01N 25/14, A01N 25/04
(31) Priority Document No :1716986.3
(32) Priority Date :16/10/2017
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2018/052976
Filing Date :16/10/2018
(87) International Publication No :WO 2019/077335
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)MATOKE HOLDINGS LIMITED

Address of Applicant :2 Michaels Court Hanney Road
Southmoor Abingdon Oxfordshire OX13 5HR U.K.

(72)Name of Inventor :

1)HALL, Thomas

2)COX, Sophie Constance

3)GROVER, Liam Michael

4)KERSHAW, David

(57) Abstract :

A composition has an enzyme that is able to convert a substrate to release hydrogen peroxide; a substrate for the enzyme; and a superabsorbent component, such as a superabsorbent polymer. The composition is in the form of a powder and may form a gel on contact with water.

No. of Pages : 38 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018976 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FE-MN ABSORBABLE IMPLANT ALLOYS WITH INCREASED DEGRADATION RATE

(51) International classification	:A61L 27/04, A61L 27/58, A61L 31/02, A61L 31/14, C22C 38/04	(71) Name of Applicant : 1)BIO DG, INC. Address of Applicant :13691 Danielson Street, Suite E Poway, California 92064 U.S.A.
(31) Priority Document No	:62/569228	(72) Name of Inventor :
(32) Priority Date	:06/10/2017	1)DISEGI, John A.
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/054686	
Filing Date	:05/10/2018	
(87) International Publication No	:WO 2019/071178	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is directed to a biodegradable alloy suitable for use in a medical implant, comprising at least 50% iron by weight, at least 25% manganese by weight, and at least 0.01% sulfur and/or selenium by weight, wherein the biodegradable alloy is nonmagnetic. The present invention also provides a method of producing a biodegradable alloy with a desirable degradation rate.

No. of Pages : 20 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018984 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PHENOXY ACIDS FOR THE TREATMENT OF NEUROMUSCULAR DISORDERS

(51) International classification	:A61K 31/192, A61K 31/216	(71)Name of Applicant :
(31) Priority Document No	:62/598940	1)NMD PHARMA A/S
(32) Priority Date	:14/12/2017	Address of Applicant :c/o Capnova ...bogade 15 8200 ...rhus N Denmark
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2018/084980	1)HOLM PEDERSEN, Thomas
Filing Date	:14/12/2018	2)J.S. KNUTSEN, Lars
(87) International Publication No	:WO 2019/115777	3)KELLY, Nicholas
(61) Patent of Addition to Application	:NA	4)BROCH-LIPS, Martin
Number	:NA	5)ELSBORG OLESEN, Claus
Filing Date	:NA	6)B†KGAARD NIELSEN, Ole
(62) Divisional to Application Number	:NA	7)KUMAR, Rajesh
Filing Date	:NA	

(57) Abstract :

The present invention relates to compounds suitable for treating, ameliorating and/or preventing neuromuscular disorders, including the reversal of drug-induced neuromuscular blockade. The compounds as defined herein preferably inhibit the CIC- 1 ion channel.

No. of Pages : 137 No. of Claims : 15

(54) Title of the invention : SKIN-BRIGHTENING COMPOSITIONS AND METHODS FOR BRIGHTENING SKIN

(51) International classification	:A61Q 19/02, A61K 8/22, A61K 8/19, A61K 8/31, A61K 8/41	(71)Name of Applicant : 1)L'OREAL Address of Applicant :14 rue Royale 75008 Paris France 2)CHEN, Rebecca 3)BERNARD, Anne-Laure Suzanne 4)AGACH, Mickael Ange 5)HERCOUET, Leila Safia Camille 6)HUGUET, Etienne
(31) Priority Document No	:15/827726	(72)Name of Inventor : 1)CHEN, Rebecca 2)BERNARD, Anne-Laure Suzanne 3)AGACH, Mickael Ange 4)HERCOUET, Leila Safia Camille 5)HUGUET, Etienne
(32) Priority Date	:30/11/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/062163	
Filing Date	:21/11/2018	
(87) International Publication No	:WO 2019/108451	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cosmetic composition for brightening skin and a method for brightening skin using the cosmetic composition are provided. The cosmetic composition is ammonia-free and persulfate-free, is provided as a multi-part system containing two or more sub-compositions combinable at the time of use and includes hydrogen peroxide, at least one alkaline booster selected from guanidine carbonate, arginine, monoethanolamine, triethanolamine, potassium hydroxide, sodium bicarbonate and combinations thereof, and at least one fatty compound selected from mineral oil, hemisqualane and combinations thereof present from at least 30% by weight, based upon the total weight of the composition. The method for brightening skin includes applying to the skin a composition provided as a multi-part system, the parts separately containing two or more sub-compositions each of which comprises one of the hydrogen peroxide and at least one alkaline booster, one or both comprising a fatty compound component, the subcombinations combinable at the time of use.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017018999 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DIFFUSIOPHORETIC WATER FILTRATION DEVICE, MEMBRANE, OUTPUT SPLITTER AND INLET MANIFOLD AND RELATED METHODS

(51) International classification :B01D 46/54, B01D 63/00, B01D 63/08
(31) Priority Document No :62/587510
(32) Priority Date :17/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/061146
Filing Date :14/11/2018
(87) International Publication No :WO 2019/099586
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SPLIT ROCK FILTER SYSTEMS LLC
Address of Applicant :29 S. Chestnut St., Suite 203 New Paltz, NY 12561 U.S.A.
(72)Name of Inventor :
1)GEHRIS, William, C.

(57) Abstract :

A water filtration device comprising: a diffusiophoretic water filter having at least one channel having an inlet and an outlet and for receiving a colloidal suspension at the inlet and flowing the colloidal suspension between the inlet and the outlet in a flow direction, the channel being in contact with a diffusiophoretic-inducing membrane. Other devices and methods are also disclosed.

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019000 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A ZIKA VIRUS CHIMERIC POLYPEPTIDE COMPRISING NON-STRUCTURAL PROTEINS AND ITS USE IN AN IMMUNOGENIC COMPOSITION

(51) International classification :C07K 14/18, A61K 39/12, A61K 39/00
(31) Priority Document No :17306553.3
(32) Priority Date :09/11/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/080677
Filing Date :08/11/2018
(87) International Publication No :WO 2019/092142
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INSTITUT PASTEUR

Address of Applicant :25-28, rue du Docteur Roux 75724

PARIS CEDEX 15 France

2)UNIVERSIDAD EL BOSQUE

(72)Name of Inventor :

1)ROTH, Claude

2)SIMON-LORIERE, Etienne

3)SAKUNTABHAI, Anavaj

4)DELGADO, Felix

(57) Abstract :

The present invention is directed to a Zika virus (ZIKV) chimeric polypeptide comprising non-structural proteins and its use in an immunogenic composition. The present invention provides means, in particular polynucleotides, vectors and cells expressing said chimeric polypeptide. The present invention also relates to a composition or a vaccine comprising at least one of said polypeptide, polynucleotide, vector or host cell for use in the prevention of a ZIKV infection in a human subject, or for use in the prevention of ZIKV and dengue virus (DENV) infections in a human subject.

No. of Pages : 55 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019001 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AIR CONDITIONING MODULE

(51) International classification :F28F 1/40, F24F 5/00
(31) Priority Document No :2017904157
(32) Priority Date :13/10/2017
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2018/051099
Filing Date :11/10/2018
(87) International Publication No :WO 2019/071310
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)WISE EARTH PTY LTD
Address of Applicant :8/136 Railway Street Swanbourne,
Western Australia 6010 Australia
(72)**Name of Inventor :**
1)BAVERSTOCK, Garry Frederick
2)PAOLINO, Sam Peter
3)LUCKS, Stephen Frederick

(57) Abstract :

The present invention relates to an air conditioning module comprising a thermo electric cell having a first side and a second side; an conditioning duct attached to the first side of the thermo electric cell; and an exhaust duct attached to the second side of the thermoelectric cell; wherein the conditioning duct receives and conditions air from a room, and the exhaust duct vents unwanted thermal energy.

No. of Pages : 28 No. of Claims : 10

(54) Title of the invention : MACROCARRIER

(51) International classification	:C12N 5/077, C12N 5/0775
(31) Priority Document No	:1718556.2
(32) Priority Date	:09/11/2017
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2018/053249
Filing Date	:09/11/2018
(87) International Publication No	:WO 2019/092434
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)OXFORD UNIVERSITY INNOVATION LIMITED

Address of Applicant :Buxton Court 3 West Way Botley

Oxford OX2 0JB U.K.

(72)Name of Inventor :

1)NGUYEN, Thuy Ba Linh**2)YE, Hua****3)CUI, Zhanfeng**

(57) Abstract :

A macrocarrier for the propagation of biological cells is described. The macrocarrier comprises substrate particles that are coated with a thermoresponsive polymer, which is capable of providing the macrocarrier with a cell-receiving surface and responding to a change in temperature to release cells from the macrocarrier. At least 50% of the substrate particles have a particle size of at least 1 mm. A system for the propagation of biological cells and a process for the propagation of biological cells are also described.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019037 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : BENZIMIDAZOLE COMPOUNDS AS AGRICULTURAL CHEMICALS

(51) International classification	:C07D 401/14, A01N 43/82, C07D 403/14, C07D 417/14, A01P 3/00	(71)Name of Applicant : 1)REDAG CROP PROTECTION LTD Address of Applicant :C/o Acceleris CT3 Building Wigan Investment Centre Waterside Drive Wigan WN3 5BA U.K.
(31) Priority Document No	:1717141.4	(72)Name of Inventor :
(32) Priority Date	:18/10/2017	1)URCH, Christopher John
(33) Name of priority country	:U.K.	2)BUTLIN, Roger, John
(86) International Application No	:PCT/GB2018/052989	3)CHRISTOU, Stephania
Filing Date	:17/10/2018	4)BOOTH, Rebecca, Kathryn
(87) International Publication No	:WO 2019/077345	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to benzimidazole ethers and related compounds which are of use in the field of agriculture as fungicides.

No. of Pages : 107 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019038 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : BENZIMIDAZOLE COMPOUNDS AS AGRICULTURAL CHEMICALS

(51) International classification	:C07D 401/14, A01N 43/82, C07D 417/04, A01P 3/00, A01N 43/713	(71)Name of Applicant : 1)REDAG CROP PROTECTION LTD Address of Applicant :C/o Acceleris, CT3 Building, Wigan Investment Centre, Waterside Drive, Wigan WN3 5BA, United Kingdom U.K.
(31) Priority Document No	:1717143.0	(72)Name of Inventor :
(32) Priority Date	:18/10/2017	1)URCH, Christopher, John
(33) Name of priority country	:U.K.	2)BUTLIN, Roger, John
(86) International Application No	:PCT/GB2018/052988	3)CHRISTOU, Stephania
Filing Date	:17/10/2018	4)BOOTH, Rebecca, Kathryn
(87) International Publication No	:WO 2019/077344	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to substituted benzimidazoles of formula (I) and related compounds which are of use in the field of agriculture as fungicides.

No. of Pages : 61 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019042 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MANAGING A COMPUTING CLUSTER USING REPLICATED TASK RESULTS

(51) International classification :G06F 9/50, G06F
9/54
(31) Priority Document No :62/579225
(32) Priority Date :31/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/058249
Filing Date :30/10/2018
(87) International Publication No :WO 2019/089619
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AB INITIO TECHNOLOGY LLC
Address of Applicant :201 Spring Street Lexington,
Massachusetts 02421 U.S.A.
(72)**Name of Inventor :**
1)STANFILL, Craig W.
2)WHOLEY, Joseph, Skeffington, III

(57) Abstract :

A method for processing tasks in a distributed data processing system includes processing sets of tasks. The method includes maintaining, at a first processing node a number of counters including a working counter indicating a current time interval of the number of time intervals in the distributed data processing system, and a replication counter indicating a time interval of the number of time intervals for which at least one of (1) all tasks associated with that time interval, or (2) all corresponding results associated with that time interval, are replicated at multiple processing nodes of the number of processing nodes. The method includes providing messages from the first processing node to the other processing nodes of the number of processing nodes, the messages including the working counter and the replication counter.

No. of Pages : 49 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019043 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR PREPARING AMINES FROM CARBONYL COMPOUNDS BY TRANSAMINASE REACTION UNDER SALT PRECIPITATION

(51) International classification :C12P 13/00
(31) Priority Document No :17202282.4
(32) Priority Date :17/11/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/081517
Filing Date :16/11/2018
(87) International Publication No :WO 2019/096973
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ENZYMICALS AG
Address of Applicant :Walther-Rathenau-Strasse 49a 17489
Greifswald Germany
2)UNIVERSITÄT ROSTOCK
(72)Name of Inventor :
1)VON LANGERMANN, Jan
2)HLSEWEDE, Dennis
3)T.,NZLER, Marco
4)MENYES, Ulf
5)SSS, Philipp

(57) Abstract :

The present invention relates to a method for preparing an amino salt compound comprising: i) providing a carbonyl compound; ii) reacting the carbonyl compound provided according to (i) in the presence of a transaminase with ii-a) at least one primary amine; and ii-b) at least one carboxylic acid; thereby obtaining a mixture comprising an at least partially crystallized amino salt compound comprising a cation and a carboxylate anion based on the at least one carboxylic acid added according to (ii-b).The invention also relates to an amino salt compound obtained or obtainable by the method and to the amino salt compound per se. Furthermore, the invention relates to a composition comprising a) an amine of general formula (IIa);and b) at least one carboxylic acid of general formula (III).

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019054 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOUNDS AND SYNTHETIC METHODS FOR THE PREPARATION OF RETINOID X RECEPTOR-SPECIFIC RETINOIDS

(51) International classification :A61K 36/00, A61K 8/365, A61K 8/67
(31) Priority Document No :62/588163
(32) Priority Date :17/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/061643
Filing Date :16/11/2018
(87) International Publication No :WO 2019/099920
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)IO THERAPEUTICS, INC.
Address of Applicant :5927 Almeda Road Apt. #22105
Houston, TX 77004 U.S.A.
(72)Name of Inventor :
1)CHANDRARATNA, Roshantha A.
2)VULIGONDA, Vidyasagar Pradeep
3)JACKS, Thomas
4)WADE, Peter
5)THOMPSON, Andrew

(57) Abstract :

Provided herein are compounds useful for the preparation of compounds that have retinoid-like biological activity. Also provided herein are processes for the preparation of compounds that have retinoid-like biological activity.

No. of Pages : 96 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019056 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : FORMULATIONS COMPRISING 6-(2-HYDROXY-2-METHYLPROPOXY)-4-(6-(6-((6-METHOXYPYRIDIN-3-YL)METHYL)-3,6-DIAZABICYCLO[3.1.1]HEPTAN-3-YL)PYRIDIN-3-YL)PYRAZOLO[1,5-A]PYRIDINE-3-CARBONITRILE

(51) International classification :A61K 47/12, A61K 9/08, A61K 47/38, A61K 9/16, A61K 9/20

(31) Priority Document No :62/570601

(32) Priority Date :10/10/2017

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2018/055285
Filing Date :10/10/2018

(87) International Publication No :WO 2019/075114

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)LOXO ONCOLOGY, INC.

Address of Applicant :Lilly Corporate Center Indianapolis, IN 46285 U.S.A.

(72)Name of Inventor :

1)REYNOLDS, Mark

2)EARY, Charles Todd

(57) Abstract :

6-(2-hydroxy-2-methylpropoxy)-4-(6-(6-((6-methoxypyridin-3-yl)methyl)-3,6-diazabicyclo[3.1.1]heptan-3-yl)pyridin-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile, or a pharmaceutically acceptable salt, amorphous form, polymorph form, or pharmaceutical composition (including solid formulations or liquid formulations) thereof and the use thereof for treating diseases and disorders which can be treated with a RET kinase inhibitor, such as RET-associated diseases and disorders, e.g., proliferative disorders such as cancers, including hematological cancers and solid tumors, and gastrointestinal disorders such as IBS are disclosed.

No. of Pages : 381 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019063 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ANALOG TO ANALOG CONVERTER WITH QUANTIZED DIGITAL CONTROLLED AMPLIFICATION

(51) International classification :H03M 1/00, H03M 1/06, H03F 1/02
(31) Priority Document No :110339 G
(32) Priority Date :10/10/2017
(33) Name of priority country :Portugal
(86) International Application No :PCT/PT2018/000019
Filing Date :02/10/2018
(87) International Publication No :WO 2019/074384
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DE ARAUJO BORGES MONTEZUMA DE CARVALHO, Paulo Miguel
Address of Applicant :Rua Jos Travassos, n. 5, 9B 1600-410 Lisboa Portugal
2)HENRIQUES DIAS MORGADO DINIS, Rui Miguel
3)ABREU DE OLIVEIRA, João Pedro
(72)Name of Inventor :
1)DE ARAUJO BORGES MONTEZUMA DE CARVALHO, Paulo Miguel
2)HENRIQUES DIAS MORGADO DINIS, Rui Miguel
3)ABREU DE OLIVEIRA, João Pedro

(57) Abstract :

Methods and systems for power amplification of time varying envelope signals are disclosed herein. In one embodiment, a plurality of signals with quasi constant or constant envelope are generated from the decomposition of the quantized version of a time varying envelope signal are individually amplified and then summed to form a desired time-varying envelope signal. Amplitude, phase and frequency characteristics of one or more of the constituent signals are controlled to provide the desired phase, frequency, and/or amplitude characteristics of the desired time varying envelope signal. In another embodiment, a time-varying envelope signal is decomposed into in-phase and quadrature components that are quantized and decomposed into a plurality of quasi constant or constant envelope constituent signals. The constituent signals are amplified, and then summed to construct an amplified version of the original time-varying envelope signal. The signal amplifiers may be Class A, B, AB, C, D, Class F or Class S amplifiers to provide high amplification efficiency.

No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019074 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ADENOVIRAL VECTORS WITH TWO EXPRESSION CASSETTES ENCODING RSV ANTIGENIC PROTEINS OR FRAGMENTS THEREOF

(51) International classification	:C12N 15/861, A61K 39/235	(71)Name of Applicant :
(31) Priority Document No	:62/572951	1)GLAXOSMITHKLINE BIOLOGICALS SA
(32) Priority Date	:16/10/2017	Address of Applicant :rue de l'Institut 89 1330 Rixensart Belgium
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2018/078212	1)COLLOCA, Stefano
Filing Date	:16/10/2018	
(87) International Publication No	:WO 2019/076882	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An adenoviral vector comprising two expression cassettes, wherein each expression cassette comprises a transgene and a promoter, and wherein each transgene encodes an RSV antigenic protein or a fragment thereof.

No. of Pages : 86 No. of Claims : 26

(54) Title of the invention : NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE COMPRISING SAME NEGATIVE ELECTRODE ACTIVE MATERIAL, AND SECONDARY BATTERY COMPRISING SAME NEGATIVE ELECTRODE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:H01M 4/36, H01M 4/38, H01M 4/485, H01M 4/62, H01M 10/0525</p> <p>:10-2017-0148839</p> <p>:09/11/2017</p> <p>:Republic of Korea</p> <p>:PCT/KR2018/013658</p> <p>:09/11/2018</p> <p>:WO 2019/093830</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)LG CHEM, LTD. Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea</p> <p>(72)Name of Inventor :</p> <p>1)CHOI, Jung Hyun 2)CHOI, Seung Youn 3)KIM, Eun Kyung 4)LEE, Yong Ju 5)JO, Rae Hwan 6)LEE, Su Min 7)KIM, Dong Hyuk 8)PARK, Se Mi 9)OH, Il Geun</p>
---	--	--

(57) Abstract :

The present invention relates to a negative electrode active material, comprising a carbonaceous matrix comprising a plurality of nanoparticles, wherein each of the nanoparticles comprises: a silicon core; an oxide film layer disposed on the silicon core and comprising SiOx (0

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019076 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HANDHELD DEVICE USING A LIGHT GUIDE AND METHOD FOR USE THEREOF FOR DETERMINING A PLANT STATUS

(51) International classification	:G01J 3/51, G01J 3/02, G01J 3/28, G01J 3/50, G01N 33/00
(31) Priority Document No	:17198659.9
(32) Priority Date	:26/10/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/079447
Filing Date	:26/10/2018
(87) International Publication No	:WO 2019/081729
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)YARA INTERNATIONAL ASA
Address of Applicant :P.O. Box 343 Sk,yen N-0213 Oslo
Norway
(72)Name of Inventor :
1)REUSCH, Stefan

(57) Abstract :

The invention relates to a handheld device and method for determining a status of a plant. The device includes a multi pixel digital colour sensor, a light source arranged for providing broadband illumination, wherein the light source and the multi pixel digital colour sensor are arranged in substantially the same plane, a light guide for guiding the light from said light source into the direction of the multi pixel digital colour sensor, a sample space, provided between the multi pixel digital colour sensor and the light source, for insertion of at least a part of the plant therein, and a processing unit configured for controlling at least the multi pixel digital colour sensor and the light source.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019077 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : ILDR2 ANTAGONISTS AND COMBINATIONS THEREOF

(51) International classification	:A61K 39/395, A61K 31/337, C07K 16/28, A61P 37/04, A61P 35/00	(71)Name of Applicant : 1)BAYER AKTIENGESELLSCHAFT Address of Applicant :Kaiser-Wilhelm-Allee 1 51373 Leverkusen Germany 2)BAYER PHARMA AKTIENGESELLSCHAFT 3)COMPUGEN LTD.
(31) Priority Document No	:62/592913	(72)Name of Inventor : 1)R-SE, Lars
(32) Priority Date	:30/11/2017	2)GRITZAN, Uwe
(33) Name of priority country	:U.S.A.	3)HTTER, Julia
(86) International Application No	:PCT/EP2018/082779	4)LIANG, Spencer
Filing Date	:28/11/2018	5)POW, Andrew
(87) International Publication No	:WO 2019/105972	6)HUNTER, John
(61) Patent of Addition to Application Number	:NA	7)LEVY, Ofer
Filing Date	:NA	8)VAKNIN, Ilan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel pharmaceutical combination comprising an ILDR2 antagonist according to any of the aforementioned claims, plus one or more other therapeutically active compounds, and to novel specific ILDR2 antagonists.

No. of Pages : 42 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019079 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : BOTTOM PLATE ASSEMBLY COMPRISING A BAYONET FREE COLLECTOR NOZZLE

(51) International classification :B22D 41/50, B22D 41/56
(31) Priority Document No :17200984.7
(32) Priority Date :10/11/2017
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2018/080829
Filing Date :09/11/2018
(87) International Publication No :WO 2019/092214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)VESUVIUS GROUP, S.A.
Address of Applicant :rue de Douvrain 17 7011 GHLIN
Belgium
(72)**Name of Inventor :**
1)SIBIET, Fabrice

(57) Abstract :

The present invention concerns a gate for metallurgic vessels provided with a collector nozzle coupled to bottom plate assembly of the gate. The bottom plate assembly of the present invention allows a collector nozzle to be coupled to a bottom gate plate without need of a separate bayonet ring. The bayonet ring is integrated to the bottom plate assembly, allowing a collector nozzle to be mounted by a single robot, or by a single operator more easily than existing systems.

No. of Pages : 17 No. of Claims : 14

(54) Title of the invention : NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE COMPRISING SAME NEGATIVE ELECTRODE ACTIVE MATERIAL, AND SECONDARY BATTERY COMPRISING SAME NEGATIVE ELECTRODE

(51) International classification :H01M 4/36, H01M 4/587, H01M 4/38, H01M 4/485, H01M 4/62

(31) Priority Document No :10-2017-0148837

(32) Priority Date :09/11/2017

(33) Name of priority country :Republic of Korea

(86) International Application No :PCT/KR2018/013636
Filing Date :09/11/2018

(87) International Publication No :WO 2019/093820

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG CHEM, LTD.
Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea

(72)Name of Inventor :
1)CHOI, Jung Hyun
2)LEE, Yong Ju
3)KIM, Eun Kyung
4)JO, Rae Hwan
5)LEE, Su Min
6)KIM, Dong Hyuk
7)PARK, Se Mi
8)OH, Il Geun

(57) Abstract :

The present invention relates to a negative electrode active material, which comprises: a spherical carbon-based particle; and a carbon layer disposed on the spherical carbon-based particle and comprising a nanoparticle, wherein the nanoparticle includes: a silicon core; an oxide film layer disposed on the silicon core and comprising SiOx (0

No. of Pages : 35 No. of Claims : 15

(54) Title of the invention : ALKOXYLATED SECONDARY ALCOHOL SULFATES

(51) International classification :C07C 305/10, B01F 17/00, C11D 1/29
 (31) Priority Document No :1760597
 (32) Priority Date :10/11/2017
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2018/052763
 Filing Date :08/11/2018
 (87) International Publication No :WO 2019/092368
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)ARKEMA FRANCE

Address of Applicant :420 rue d'Estienne d'Orves 92700

COLOMBES France

(72)Name of Inventor :

1)GILLET, Jean-Philippe**2)GONZALEZ LEON, Juan Antonio****3)BOURET, Carl**

(57) Abstract :

The invention relates to the compounds of formula (I), in which R1 and R2 represent a linear, branched or cyclic, saturated or unsaturated hydrocarbon group, comprising 1 to 6 carbon atoms, wherein the sum of the carbon atoms of the groups R1 and R2 is from 2 to 7, A represents a chain of one or a plurality of units of ethylene oxide, propylene oxide, butylene oxide and the mixtures thereof, and n is an integer between 1 and 100 inclusive. The invention also relates to the mineral or organic salts thereof. The invention further relates to the use of the compounds of formula (I) and/or to one of the salts thereof as a surfactant, a wetting agent, a detergent, an emulsifying agent, a dispersant, a corrosion inhibitor, and the like. The invention further relates to the compositions comprising at least one compound of formula (I) and/or to one of the salts thereof.

No. of Pages : 10 No. of Claims : 10

(54) Title of the invention : NEGATIVE ELECTRODE ACTIVE MATERIAL, NEGATIVE ELECTRODE COMPRISING SAME NEGATIVE ELECTRODE ACTIVE MATERIAL, AND SECONDARY BATTERY COMPRISING SAME NEGATIVE ELECTRODE

(51) International classification	:H01M 4/36, H01M 4/38, H01M 4/485, H01M 4/62, H01M 10/0525	(71)Name of Applicant : 1)LG CHEM, LTD. Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(31) Priority Document No	:10-2017-0148838	(72)Name of Inventor :
(32) Priority Date	:09/11/2017	1)CHOI, Jung Hyun
(33) Name of priority country	:Republic of Korea	2)LEE, Yong Ju
(86) International Application No	:PCT/KR2018/013650	3)KIM, Eun Kyung
Filing Date	:09/11/2018	4)JO, Rae Hwan
(87) International Publication No	:WO 2019/093825	5)LEE, Su Min
(61) Patent of Addition to Application Number	:NA	6)KIM, Dong Hyuk
Filing Date	:NA	7)PARK, Se Mi
(62) Divisional to Application Number	:NA	8)OH, Il Geun
Filing Date	:NA	

(57) Abstract :

The present invention relates to a negative electrode active material which comprises a carbonaceous matrix comprising a first particle and a second particle, wherein: the first particle comprises a silicon core, an oxide film layer disposed on the silicon core and comprising SiOx (0

No. of Pages : 41 No. of Claims : 15

(54) Title of the invention : ELECTROMECHANICAL LOCK

(51) International classification	:E05B 15/00, E05B 47/00, E05B 47/06	(71)Name of Applicant :
(31) Priority Document No	:17199658.0	1)ILOQ OY
(32) Priority Date	:02/11/2017	Address of Applicant :Yrttipellontie 10 90230 Oulu Finland
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2018/078162	1)PIIRAINEN, Mika
Filing Date	:16/10/2018	2)ARVOLA, Mauri
(87) International Publication No	:WO 2019/086240	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Electromechanical lock. Actuator (103) comprises drive head (109) rotatable by electric power (160). Access control mechanism (104) comprises driven gear (101) with cogs, and grip mechanism (111). Drive head (109) comprises two pins (210, 212) configured and positioned so that one of pins (210, 212) is in notch between two cogs (220, 222, 224, 226, 228) of driven gear (101). For opening, drive head (109) rotates driven gear (101) to open position (400), by two pins (210, 212) driving cogs (220, 222, 224, 226, 228) and overcoming grip mechanism (111), and thereby setting access control mechanism (104) to be rotatable (152) by user. If external mechanical break-in force (172) is applied, drive head (109) remains stationary by at least one of pins (210, 212) contacting at least one of cogs (220, 222, 224), and by grip mechanism (111) holding driven gear (101) stationary in locked position (200).

No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019086 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MULTIPLE DIAGNOSTIC ENGINE ENVIRONMENT

(51) International classification	:G01N 33/48
(31) Priority Document No	:62/588689
(32) Priority Date	:20/11/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/061540
Filing Date	:16/11/2018
(87) International Publication No	:WO 2019/099842
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SIEMENS HEALTHCARE DIAGNOSTICS INC.
Address of Applicant :511 Benedict Avenue Tarrytown, New York 10591 U.S.A.
(72)**Name of Inventor :**
1)DESHPANDE, Manish
2)THORPE, William

(57) Abstract :

A point of care system may comprise a plurality of diagnostic engines and an IDM in electronic communication with each of the plurality of diagnostic engines. Each of the plurality of diagnostic engines may perform testing on a sample inserted into the diagnostic engine. The IDM may be configured to communicate with each of the plurality of diagnostic engines to enable a plurality of tests to be performed on multiple different samples substantially simultaneously by a plurality of users using the plurality of diagnostic engines and to present a single user interface for managing testing by the plurality of diagnostic engines and for receiving the results of tests performed by each of the plurality of diagnostic engines.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019087 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LASH ADJUSTMENT IN LOST MOTION ENGINE SYSTEMS

(51) International classification :F01L 1/24, F01L
1/18, F01L 1/08
(31) Priority Document No :62/584642
(32) Priority Date :10/11/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/060225
Filing Date :10/11/2018
(87) International Publication No :WO 2019/094846
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)JACOBS VEHICLE SYSTEMS, INC.

Address of Applicant :22 East Dudley Town Road Bloomfield,
CT 06002 U.S.A.

(72)Name of Inventor :

1)FERREIRA, David M.

2)ROBERTS, Gabriel S.

3)BALTRUCKI, Justin D.

(57) Abstract :

Systems for valve actuation in internal combustion engines provide configurations for hydraulic lash adjusters and valve actuation valvetrain components that are particularly suitable for prevention of HL A jacking in lost motion cam environments and in valve bridge environments. In one implementation, a rocker arm may transmit motion from a lost motion cam having main event and auxiliary event lobes. Main event motion is transmitted to two engine valves through the rocker arm, a lash adjuster, lash adjuster loading component and valve bridge, which define part of a first load path. Braking motion is transmitted to one of the engine valves through an inboard valve actuator and bridge pin, which define part of a second load path. The HLA is thus disposed in a separate load path from the braking valve load and the lash adjuster loading component keeps the lash adjuster under a constant compressive force to prevent jacking.

No. of Pages : 15 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019099 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPOSITE PANE FOR A HEAD-UP DISPLAY, WITH AN ELECTRICALLY CONDUCTIVE COATING AND AN ANTI-REFLECTIVE COATING

(51) International classification	:B32B 17/10, G02B 27/01
(31) Priority Document No	:18163268.8
(32) Priority Date	:22/03/2018
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2019/052572
Filing Date	:04/02/2019
(87) International Publication No	:WO 2019/179682
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SAINT-GOBAIN GLASS FRANCE

Address of Applicant :12 Place de l'Iris Tour Saint-Gobain
92400 Courbevoie France

(72)Name of Inventor :

1)FISCHER, Klaus

2)SCHAEFER, Dagmar

3)ZIMMERMANN, Roberto

(57) Abstract :

The present invention relates to a composite pane (10) for a head-up display, the pane having an upper edge (O), a lower edge (U) and an HUD region (B) and at least comprising an outer pane (1) and an inner pane (2), which are interconnected by a thermoplastic intermediate layer (3), and a transparent, electrically conductive coating (20) provided on the surface (III) of the inner pane (2) that faces the intermediate layer (3), or provided within the intermediate layer (3), - the intermediate layer (3) being formed by at least one layer (3a) of thermoplastic material provided between the electrically conductive coating (20) and the outer pane (1), - the thickness of the layer (3a) of thermoplastic material varying with a wedge angle (a) over its vertical extent between the lower edge (U) and the upper edge (O), at least in the HUD region (B), and - an anti-reflective coating (30) being applied to the surface (IV) of the inner pane (2) that faces away from the intermediate layer (3).

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019113 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR PRODUCING POLYAMIDE WITH CONTROLLED ACTIVATOR ADDITION, AND POLYAMIDE PRODUCED THEREBY

(51) International classification :C08G 69/18, C08L 77/00
(31) Priority Document No :10-2017-0151495
(32) Priority Date :14/11/2017
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2018/012938
Filing Date :29/10/2018
(87) International Publication No :WO 2019/098569
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HANWHA CHEMICAL CORPORATION
Address of Applicant :86, Cheonggyecheon-ro Jung-gu Seoul
04541 Republic of Korea
(72)Name of Inventor :
1)LEE, Hye Yeon
2)KIM, Do Kyoung
3)DO, Seung Hoe
4)LEE, Jin Seo
5)KWON, Kyung Ho
6)KIM, Dae Hak
7)YIM, Kyoung Won

(57) Abstract :

Provided are a method for producing a polyamide with controlled activator addition, and a polyamide produced thereby, the method allowing the polymerization conversion rate and polydispersity index (PDI) to be enhanced by controlling the addition of an activator so as to prevent gelation phenomenon that occurs during anion polymerization.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019116 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR PREPARING POLYAMIDE BY ANION RING-OPENING POLYMERIZATION AND POLYAMIDE PREPARED THEREBY

(51) International classification	:C08G 69/18, C08K 3/12, C08K 3/20, C08K 3/22, C08K 5/16
(31) Priority Document No	:10-2017-0148304
(32) Priority Date	:08/11/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No	:PCT/KR2018/013328
Filing Date	:05/11/2018
(87) International Publication No	:WO 2019/093729
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)HANWHA CHEMICAL CORPORATION
Address of Applicant :86, Cheonggyecheon-ro Jung-gu Seoul 04541 Republic of Korea

(72)Name of Inventor :
1)DO, Seung Hoe
2)LEE, Jin Seo
3)KWON, Kyung Ho
4)KIM, Do Kyoung
5)LEE, Hye Yeon
6)YIM, Kyoung Won

(57) Abstract :

The present invention relates to a method for preparing a polyamide by anion ring-opening polymerization and a polyamide prepared thereby and, more specifically, to a method for preparing a polyamide by anion ring-opening polymerization and a polyamide prepared thereby, wherein the method is an eco-friendly processing method not using a solvent as a catalyst and enables polymerization to a uniform molecular weight with a high conversion rate in a short polymerization reaction time at a low temperature, compared with an existing polymerization method. The method for preparing a polyamide by anion ring-opening polymerization according to the present invention to attain such a purpose is a method for preparing a polyamide by an anion polymerization reaction, wherein lactam, and relative to 100 parts by weight of the entire lactam, 0.01-20 parts by weight of an alkali metal as an initiator, 0.3-10 parts by weight of a molecular weight adjuster, and 0.002-1.0 parts by weight of carbon dioxide as an activator may be included. As described above, the present invention is directed to an eco-friendly processing method not using a solvent as a catalyst and has an effect of enabling polymerization to a uniform molecular weight with a high conversion rate in a short polymerization reaction time at a low temperature, compared with an existing polymerization method.

No. of Pages : 14 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019126 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMBINATION THERAPIES AND USES THEREOF

(51) International classification	:A61K 45/00, A61P 35/00	(71) Name of Applicant : 1)TESARO, INC. Address of Applicant :1000 Winter Street North Suite 3300 Waltham, MA 02451 U.S.A.
(31) Priority Document No	:62/569239	
(32) Priority Date	:06/10/2017	
(33) Name of priority country	:U.S.A.	(72) Name of Inventor :
(86) International Application No	:PCT/US2018/054606	1)MIKULE, Keith, W.
Filing Date	:05/10/2018	2)WANG, Zebin
(87) International Publication No	:WO 2019/071123	3)ZHOU, Yinghui
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to combination therapies containing one or more PARP inhibitors and one or more angiogenesis inhibitor. Also described herein are therapeutic uses of such combination therapies for treating various disorders and conditions. The combination therapies and uses thereof can be useful for preventing tumor cell growth, preventing tumor metastasis, inducing an immune response or enhancing an immune response.

No. of Pages : 60 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019127 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PEST REPELLENT POLYMER COMPOSITIONS

(51) International classification	:A01N 25/08, A01N 25/24, A01N 37/18, A01N 47/16, A01N 37/46	(71)Name of Applicant : 1)CLARIANT PLASTICS & COATINGS LTD Address of Applicant :Rothausstr. 61 4132 Muttenz Switzerland
(31) Priority Document No	:17199911.3	(72)Name of Inventor :
(32) Priority Date	:03/11/2017	1)HEDAOO, Rahul Kishore
(33) Name of priority country	:EPO	2)ACHINTYA KUMAR, Sen
(86) International Application No	:PCT/EP2018/080008	
Filing Date	:02/11/2018	
(87) International Publication No	:WO 2019/086604	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a pest repellent polymeric composition comprising a thermoplastic polymer and a silica carrier having absorbed thereon a pest repellent active. The pest repellent active is absorbed on the silica carrier in presence of a surfactant. The invention also relates to articles prepared from the pest repellent polymeric composition.

No. of Pages : 11 No. of Claims : 10

(54) Title of the invention : RADIANT-PANEL RADIO STIMULATION DEVICE

(51) International classification	:G01S 17/08, G01S 7/40, H01Q 3/26, G01R 29/10, H01Q 3/46	(71)Name of Applicant : 1)THALES Address of Applicant :TOUR CARPE DIEM Place des Corolles Esplanade Nord 92400 COURBEVOIE France
(31) Priority Document No	:1701140	(72)Name of Inventor :
(32) Priority Date	:07/11/2017	1)MAZEAU, Thierry
(33) Name of priority country	:France	2)JAHAN, Daniel
(86) International Application No	:PCT/EP2018/074106	3)FORMONT, Stphane
Filing Date	:07/09/2018	4)MENAGER, Loïc
(87) International Publication No	:WO 2019/091624	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is a stimulation device, in particular for testing radio reception devices. It includes a signal generator (41) delivering an amplitude-phase law for beamforming purposes, transmitted in the form of a composite laser beam (43) that illuminates a matrix-array of photodiodes (422) of an emission subassembly (42) with active modules separate from the generator, each wavelength of the beam carrying one of the signals (411) defining the amplitude-phase law and intended for an active module (421). The device includes means (44, 45) for measuring the orientation of the composite laser beam with respect to the matrix-array of photodiodes (422) of the emission subassembly and the distance covered by the beam (43) thereto, and correcting the phase law generated by the signal generator (41) so as to compensate stray phase offsets induced by these parameters on the signals transmitted to the emission subassembly (42).

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019132 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SURGICAL INSTRUMENT COMPRISING SPEED CONTROL

(51) International classification	:A61B 17/072, A61B 34/30, A61B 34/00, A61B 17/00	(71) Name of Applicant : 1)ETHICON LLC Address of Applicant :#475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, USA, 00969 U.S.A.
(31) Priority Document No	:15/850461	(72) Name of Inventor :
(32) Priority Date	:21/12/2017	1)HARRIS, Jason L.
(33) Name of priority country	:U.S.A.	2)SHELTON, IV, Frederick E.
(86) International Application No	:PCT/IB2018/059785	3)WORTHINGTON, Sarah A.
Filing Date	:07/12/2018	
(87) International Publication No	:WO 2019/123081	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical instrument system is disclosed which comprises a control screen usable to control the surgical instrument system in real time.

No. of Pages : 126 No. of Claims : 22

(54) Title of the invention : STAPLE INSTRUMENT COMPRISING A FIRING PATH DISPLAY

(51) International classification	:A61B 17/072, A61B 34/00, A61B 90/00, A61B 34/10	(71)Name of Applicant : 1)ETHICON LLC Address of Applicant :#475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, USA, 00969 U.S.A.
(31) Priority Document No	:15/850495	(72)Name of Inventor :
(32) Priority Date	:21/12/2017	1)SHELTON, IV, Frederick E.
(33) Name of priority country	:U.S.A.	2)HARRIS, Jason L.
(86) International Application No	:PCT/IB2018/059786	3)YATES, David C.
Filing Date	:07/12/2018	4)WIDENHOUSE, Tamara S.
(87) International Publication No	:WO 2019/123082	5)WORTHINGTON, Sarah A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical stapling system for stapling the tissue of a patient is disclosed. The stapling system comprises a housing, a shaft extending from the housing, and an end effector extending from the shaft. The end effector comprises a plurality of staples removably stored therein and, also, an anvil configured to deform the staples. The stapling system further comprises a firing mechanism configured to deploy the staples along a staple firing path longer than 60 mm, a camera configured to capture an image of the patient tissue, a display, and a controller configured to generate an image of the staple firing path, wherein the images are displayed on the display.

No. of Pages : 126 No. of Claims : 20

(54) Title of the invention : SURGICAL INSTRUMENT CONFIGURED TO DETERMINE FIRING PATH

(51) International classification	:A61F 5/00, A61B 17/072, A61B 17/068, A61B 34/00, A61B 90/00	(71) Name of Applicant : 1)ETHICON LLC Address of Applicant :#475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, USA, 00969 U.S.A.
(31) Priority Document No	:15/850522	(72) Name of Inventor :
(32) Priority Date	:21/12/2017	1)WIDENHOUSE, Tamara S.
(33) Name of priority country	:U.S.A.	2)YATES, David C.
(86) International Application No	:PCT/IB2018/059787	3)SHELTON, IV, Frederick E.
Filing Date	:07/12/2018	4)HARRIS, Jason L.
(87) International Publication No	:WO 2019/123083	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical instrument for treating the stomach tissue of a patient is disclosed. The surgical instrument comprises a handle comprising a display, a shaft extending from the handle, and an end effector extending from said shaft. The surgical system comprises a tissue treatment system configured to treat the stomach tissue along a path, an imaging system configured to capture a tissue image of the stomach tissue, and a controller configured to determine an edge of the stomach tissue, generate an image representing at least a portion of the edge of the stomach tissue, and display the image along with at least a portion of the tissue image on the display.

No. of Pages : 126 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019135 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SURGICAL INSTRUMENT COMPRISING AN END EFFECTOR DAMPENER

(51) International classification	:A61B 17/068, A61B 17/29, A61B 17/072	(71)Name of Applicant :
(31) Priority Document No	:15/850542	1)ETHICON LLC
(32) Priority Date	:21/12/2017	Address of Applicant :#475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, USA, 00969 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/IB2018/059788	1)SHELTON, IV, Frederick E.
Filing Date	:07/12/2018	2)HARRIS, Jason L.
(87) International Publication No	:WO 2019/123084	3)WORTHINGTON, Sarah A.
(61) Patent of Addition to Application Number	:NA	4)ZEINER, Mark S.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical instrument comprising a shaft, an end effector, and an articulation joint is disclosed. The end effector is rotatably connected to the shaft about the articulation joint, wherein the end effector is rotatable between a first orientation and a second orientation, wherein the shaft comprises a longitudinal axis and the end effector comprises a tissue gap, wherein the tissue gap faces the longitudinal axis when the end effector is in its first orientation, and wherein the tissue gap extends at an angle relative to the longitudinal axis when the end effector is in its second orientation. The surgical instrument further comprises an articulation drive system configured to articulate the end effector relative to the shaft and a dampener configured to prevent the end effector from being back-driven from its second orientation into its first orientation.

No. of Pages : 127 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019140 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SHELL-AND-TUBE EQUIPMENT WITH DISTRIBUTION DEVICE

(51) International classification	:B01J 4/00, B01J 8/06, B01J 19/24, B01J 10/02	(71)Name of Applicant : 1)ALFA LAVAL OLMI S.P.A. Address of Applicant :Viale Europa, 43 24040 SUISIO (Bergamo) Italy
(31) Priority Document No	:17425106.6	(72)Name of Inventor :
(32) Priority Date	:26/10/2017	1)GOZZINI, Alberto
(33) Name of priority country	:EPO	
(86) International Application No	:PCT/EP2018/079356	
Filing Date	:25/10/2018	
(87) International Publication No	:WO 2019/081686	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A shell-and-tube equipment (10) has a cylindrical geometry and is arranged along a vertical axis (A). The shell-and-tube equipment (10) comprises an upper chamber (12) and a lower chamber (14) connected to a common tube bundle (16) on opposite sides. The upper chamber (12) is provided with at least an inlet nozzle (18) for inletting a first fluid. The tube bundle (16) is surrounded by a shell (20) provided with nozzles (22; 24) for inletting and outletting a second fluid which exchanges heat with the first fluid through the tube bundle (16). The upper chamber (12) encloses at least a distribution device (26) configured for uniformly delivering the first fluid towards the tube bundle (16). The distribution device (26) comprises an annular channel (28) which is arranged around the vertical axis (A) and is in fluid communication with the inlet nozzle (18). The distribution device (26) comprises a plurality of channel modules (30) of circular trapezoid shape, tightly joined together at their respective vertical edges (72, 74) for forming the annular channel (28).

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019141 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR CELLULAR REPROGRAMMING OF A PLANT CELL

(51) International classification :A01H 1/08, C12N
15/82
(31) Priority Document No :62/572007
(32) Priority Date :13/10/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2018/055561
Filing Date :12/10/2018
(87) International Publication No :WO 2019/075295
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)PIONEER HI-BRED INTERNATIONAL, INC.
Address of Applicant :7100 NW 62ND AVENUE PO BOX
1014 JOHNSTON, Iowa 50131-1014 U.S.A.
(72)Name of Inventor :
1)FOX, Tim
2)GORDON-KAMM, William James
3)HUEGEL, Rachel Carol
4)LOWE, Keith S
5)REINDERS, Jon Aaron Tucker
6)YE, Huaxun

(57) Abstract :

Plant cell fate and development is altered by treating cells with cellular reprogramming factors. Embryogenesis inducing morphogenic developmental genes are used as cellular reprogramming factors, specifically comprising polypeptides or polynucleotides encoding gene products for generating doubled haploids or haploid plants from gametes. Maize microspores treated by contacting the isolated cells with an exogenous purified, recombinant embryogenesis inducing morphogenic developmental gene polypeptide results in embryogenesis. The gametes of a maize plant develop into embryoids when transformed with a genetic construct including regulatory elements and structural genes capable of acting in a cascading fashion to alter cellular fate of plant cells. Developmental morphogenic proteins expressed from a genetic construct are used for ex situ treatment methods and for in planta cellular reprogramming.

No. of Pages : 77 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019143 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : SAFETY DEVICE AND ELEVATOR COMPRISING SAME

(51) International classification :B66B 5/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2017/041297
Filing Date :16/11/2017
(87) International Publication No :WO 2019/097635
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HITACHI, LTD.
Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
Tokyo 1008280 Japan
(72)**Name of Inventor :**
1)FUKUDA Toshiyuki
2)KUBO Yosuke

(57) Abstract :

Provided is an elevator safety device that allows a wedge to be moved using a comparatively simple configuration. An elevator safety device is a safety device that grips a guide rail by engaging a wedge and an emergency stop device and stops a passenger car when the passenger car movement reaches an abnormal speed, and is characterized by comprising an abnormal speed detection device that detects abnormal passenger car speeds, a drive shaft that is linked to the wedge, an actuator that applies a driving force to the drive shaft, and a spring that applies a biasing force to the drive shaft, and in that the wedge and the emergency stop device oppose the biasing force of the spring and are in a non-engaged state by way of the driving force of the actuator when the passenger car is moving at less than the abnormal speed, and the guide rails are gripped with the wedge and emergency stop device in an engaged state by way of the biasing force applied by the spring and loss of current to the actuator when the passenger car reaches the abnormal speed.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019144 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DISMOUNTING DEVICE FOR PROGRESSIVE CAVITY PUMPS

(51) International classification	:F01C 1/10, F04B 53/22, F04C 2/00, F04C 2/107, F04C 13/00	(71)Name of Applicant : 1)CIRCOR PUMPS NORTH AMERICA, LLC. Address of Applicant :1710 Airport Rd. Monroe, NC 28110 U.S.A.
(31) Priority Document No	:17197656.6	(72)Name of Inventor :
(32) Priority Date	:20/10/2017	1)WECKING, Patrick
(33) Name of priority country	:EPO	2)ROTTMANN, Berthold
(86) International Application No	:PCT/US2017/058004	3)MALBURG, Simon
Filing Date	:24/10/2017	4)REITZ, Thomas
(87) International Publication No	:WO 2019/078903	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A pump may include a housing having a first end and a second end and extending along a longitudinal axis and a discharge casing having a first end coupleable to the second end of the housing, the discharge casing extending along the longitudinal axis coaxial to the housing. A dismounting device may include a first dismount casing and a second dismount casing disposed between the discharge casing and the second end of the housing, the dismounting device extending along the longitudinal axis coaxial to the housing and the discharge casing. The first dismount casing may have a variable first thickness and the second dismount casing may have a variable second thickness such that the first dismount casing is configured to mate with the second dismount casing so that the dismounting device has a cylindrical shape.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017019150 A

(19) INDIA

(22) Date of filing of Application :05/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : RESOURCE CONFIGURATION METHOD AND DEVICE, COMPUTER STORAGE MEDIUM

(51) International classification :H04W 72/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2018/072265
Filing Date :11/01/2018
(87) International Publication No :WO 2019/136666
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
Address of Applicant :No.18 Haibin Road, Wusha, Chang'an Dongguan, Guangdong 523860 China
(72)**Name of Inventor :**
1)SHEN, Jia

(57) Abstract :

Provided are a resource configuration method and device, a computer storage medium, wherein the method comprises: the terminal receives a first configuration information and/or a second configuration information sent by the network device, wherein the first configuration information is used to indicate a first time period corresponding to a first search space, and the second configuration information is used to indicate a second time period corresponding to the first uplink and downlink configuration information; the terminal selects one configuration information from the first configuration information and/or the second configuration information as the target configuration information; the terminal receives a third configuration information sent by the network device, wherein the third configuration information is used to determine a time domain start position of the first uplink and downlink configuration information in a time period corresponding to the target configuration information; the terminal starts to receive the first uplink and downlink configuration information at the time domain start position of the time period corresponding to the target configuration information.

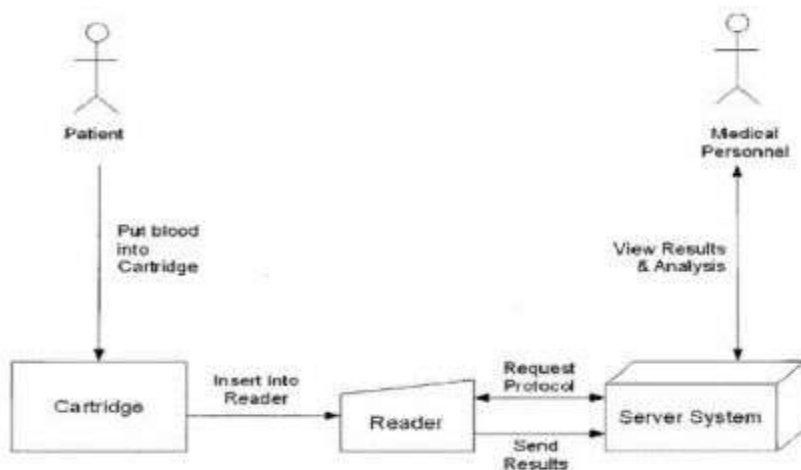
No. of Pages : 35 No. of Claims : 18

(54) Title of the invention : INTEGRATED HEALTH DATA CAPTURE AND ANALYSIS SYSTEM

(51) International classification	:G06F 17/00, G06Q 50/00	(71)Name of Applicant :
(31) Priority Document No	:61/253,015	1)THERANOS IP COMPANY, LLC
(32) Priority Date	:19/10/2009	Address of Applicant :7333 Gateway Boulevard, Newark, California 94560, United States of America U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2010/053088	1)HOLMES, Elizabeth, A.
Filing Date	:18/10/2010	2)GIBBONS, Ian
(87) International Publication No	: NA	3)YOUNG, Daniel L.
(61) Patent of Addition to Application Number	:NA	4)MICHELSON, Seth G.
Filing Date	:NA	
(62) Divisional to Application Number	:4056/DELNP/2012	
Filed on	:08/05/2012	

(57) Abstract :

The present invention provides an integrated health care surveillance and monitoring system that provides real-time sampling, modeling, analysis, and recommended interventions. The system can be used to monitor infectious and chronic diseases. When faced with outbreak of an infectious disease agent, e.g., influenza virus, the system can identify active cases through pro-active sampling in high risk locations, such as schools or crowded commercial areas. The system can notify appropriate entities, e.g., local, regional and national governments, when an event is detected, thereby allowing for proactive management of a possible outbreak. The system also predicts the best response for deployment of scarce resources.



No. of Pages : 161 No. of Claims : 20

(54) Title of the invention : MULTI-TOUCH INPUT DISCRIMINATION

(51) International classification :G06F 3/048, G06K 9/00
 (31) Priority Document No :11/619,464
 (32) Priority Date :03/01/2007
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2007/026145
 Filing Date :21/12/2007
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :4154/DELNP/2009
 Filed on :23/06/2009

(71)Name of Applicant :
1)APPLE INC.
 Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.
 (72)Name of Inventor :
1)WESTERMAN, Wyne, Carl

(57) Abstract :

Techniques for identifying and discriminating between different input patterns to a multi-touch touch-screen device are described. By way of example, large objects hovering a short distance from the touch-surface {e.g., a cheek, thigh or chest) may be identified and distinguished from physical contacts to the surface. In addition, rough contacts due to, for example, ears and earlobes, may be similarly identified and distinguished from contacts due to fingers, thumbs, palms and finger clasps

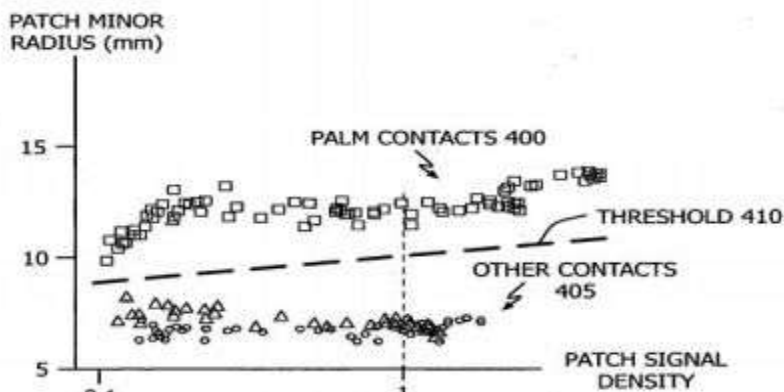


FIG. 4

No. of Pages : 42 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018008141 A

(19) INDIA

(22) Date of filing of Application :26/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS OF CHEMICAL SYNTHESIS OF DIAMINOPHENOTHIAZINIUM COMPOUNDS INCLUDING METHYLTHIONIUM CHLORIDE (MTC)

(51) International classification :C07D 279/18
(31) Priority Document No :1317702.7
(32) Priority Date :07/10/2013
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2014/053007
Filing Date :06/10/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617013743
Filed on :20/04/2016

(71)Name of Applicant :
1)WISTA LABORATORIES LTD.
Address of Applicant :25 Bukit Batok Crescent The Elitist
#06-13 Singapore, 658066, Singapore Singapore
(72)Name of Inventor :
1)SINCLAIR, James Peter
2)NICOLL, Sarah Louise
3)STOREY, John Mervyn David

(57) Abstract :

Methods of synthesizing and purifying certain 3,7-diamino-phenothiazin-5-ium compounds (referred to herein as diaminophenothiazinium compounds) including Methythioninium Chloride (MTC) (also known as Methylene Blue) are provided.

No. of Pages : 62 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018008145 A

(19) INDIA

(22) Date of filing of Application :26/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS OF CHEMICAL SYNTHESIS OF DIAMINOPHENOTHIAZINIUM COMPOUNDS INCLUDING METHYLTHIONINIUM CHLORIDE (MTC)

(51) International classification :C07D 279/18
(31) Priority Document No :1317702.7
(32) Priority Date :07/10/2013
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2014/053007
Filing Date :06/10/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617013743
Filed on :20/04/2016

(71)Name of Applicant :
1)WISTA LABORATORIES LTD.
Address of Applicant :25 Bukit Batok Crescent The Elitist
#06-13 Singapore, 658066, Singapore Singapore
(72)Name of Inventor :
1)SINCLAIR, James Peter
2)NICOLL, Sarah Louise
3)STOREY, John Mervyn David

(57) Abstract :

No. of Pages : 62 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018008217 A

(19) INDIA

(22) Date of filing of Application :26/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CHROMA QUANTIZATION IN VIDEO CODING

(51) International classification :H04N 19/124, H04N
19/30
(31) Priority Document No :61/875,664
(32) Priority Date :09/09/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/054152
Filing Date :04/09/2014
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617004239
Filed on :05/02/2016

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino,
California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)TOURAPIS, Alexandros

2)COTE, Guy

(57) Abstract :

A method of signaling additional chroma QP offset values that are specific to quantization groups is provided, in which each quantization group explicitly specifies its own set of chroma QP offset values. Alternatively, a table of possible sets of chroma QP offset values is specified in the header area of the picture, and each quantization group uses an index to select an entry from the table for determining its own set of chroma QP offset values. The quantization group specific chroma QP offset values are then used to determine the chroma QP values for blocks within the quantization group in addition to chroma QP offset values already specified for higher levels of the video coding hierarchy.

No. of Pages : 58 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018008218 A

(19) INDIA

(22) Date of filing of Application :26/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CHROMA QUANTIZATION IN VIDEO CODING

(51) International classification :H04N 19/124, H04N
19/30
(31) Priority Document No :61/875,664
(32) Priority Date :09/09/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/054152
Filing Date :04/09/2014
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617004239
Filed on :05/02/2016

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino,
California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)TOURAPIS, Alexandros

2)COTE, Guy

(57) Abstract :

A method of signaling additional chroma QP offset values that are specific to quantization groups is provided, in which each quantization group explicitly specifies its own set of chroma QP offset values. Alternatively, a table of possible sets of chroma QP offset values is specified in the header area of the picture, and each quantization group uses an index to select an entry from the table for determining its own set of chroma QP offset values. The quantization group specific chroma QP offset values are then used to determine the chroma QP values for blocks within the quantization group in addition to chroma QP offset values already specified for higher levels of the video coding hierarchy.

No. of Pages : 60 No. of Claims : 30

(54) Title of the invention : PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5aR ANTAGONISTS •

(51) International classification :A61K 31/445
 (31) Priority Document No :62/057,107
 (32) Priority Date :29/09/2014
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2015/052697
 Filing Date :28/09/2015
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201717009987
 Filed on :22/03/2017

(71)Name of Applicant :

1)CHEMOCENTRYX, INC.

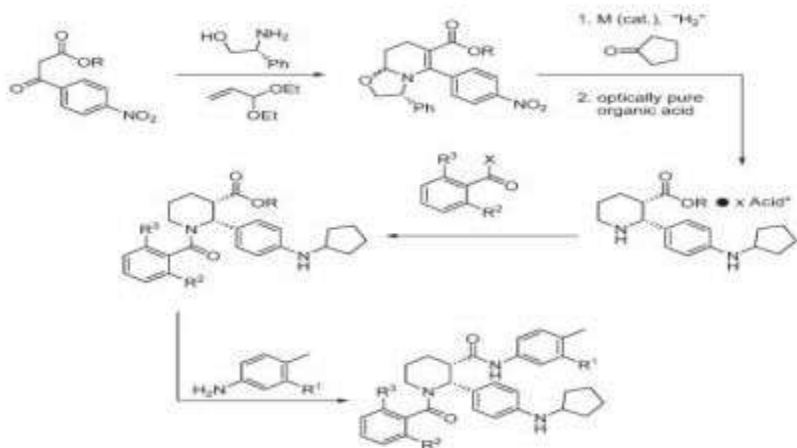
Address of Applicant :850 Maude Avenue, Mountain View, California 94043, United States of America U.S.A.

(72)Name of Inventor :

1)FAN, Pingchen**2)KALISIAK, Jaroslaw****3)KRASINSKI, Antoni****4)LUI, Rebecca****5)POWERS, Jay****6)PUNNA, Sreenivas****7)TANAKA, Hiroko****8)ZHANG, Penglie**

(57) Abstract :

PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5aR ANTAGONISTS • Intermediates and methods are provided for the preparation of selected C5aR antagonist compounds.



No. of Pages : 54 No. of Claims : 15

(54) Title of the invention : METHODS OF FABRICATING SAND CONTROL SCREEN ASSEMBLIES USING THREE DIMENSIONAL PRINTING

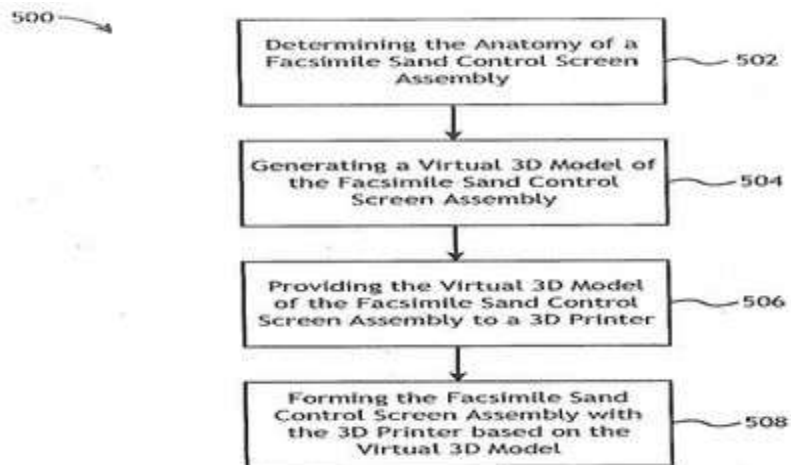
(51) International classification :E21B 43/02, E21B 43/08
(31) Priority Document No :202018008612
(32) Priority Date :28/05/2020
(33) Name of priority country :United Republic of Tanzania
(86) International Application No :PCT/US2014/052838
Filing Date :27/08/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617043530
Filed on :20/12/2016

(71)Name of Applicant :
1)HALLIBURTON ENERGY SERVICES INC.
Address of Applicant :3000 N. SAM HOUSTON PARKWAY EAST, HOUSTON, TEXAS 77032, USA U.S.A.

(72)Name of Inventor :
1)NGUYEN, Philip D
2)OGLE, James William
3)SANDERS, Michael W.

(57) Abstract :

A method of fabricating a sand control screen assembly (110) includes determining an anatomy of a facsimile sand control screen assembly, the sand control screen assembly (110) including one or more component parts. A virtual three-dimensional (3D) model of the facsimile sand control screen assembly is then generated based on the anatomy. The virtual 3D model of the facsimile sand control screen assembly is provided to a 3D printer, and the 3D printer forms at least a portion of the facsimile sand control screen assembly based on the virtual 3D model.



No. of Pages : 37 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018008623 A

(19) INDIA

(22) Date of filing of Application :28/02/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : HIGH-STRENGTH STEEL SHEET AND MANUFACTURING METHOD THEREFOR

(51) International classification	:C22C 38/38, C22C 38/58, C21D 8/02	(71)Name of Applicant :
(31) Priority Document No	:10-2013-007492	1)HYUNDAI STEEL COMPANY
(32) Priority Date	:27/06/2013	Address of Applicant :63, Jungbong-daero, Dong-gu, Incheon
(33) Name of priority country	:Republic of Korea	401-712, Republic of Korea Republic of Korea
(86) International Application No	:PCT/KR2014/005756	(72)Name of Inventor :
Filing Date	:27/06/2014	1)CHUNG, Jun Ho
(87) International Publication No	: NA	2)KIM, Seong Ju
(61) Patent of Addition to Application Number	:NA	3)SHIN, Hyo Dong
Filing Date	:NA	
(62) Divisional to Application Number	:201617000803	
Filed on	:27/06/2014	

(57) Abstract :

A high-strength steel sheet according to the present invention comprises, by weight percent, 10.0-15.0 % of Mn, 6.0-9.0% of Al, 0.5-2.0% of Cr, 0.8-1.6% of C, 0.001-0.01% of N, and further comprises 0.02-0.1% of V, 0.005-0.015% of Nb, and 0.005-0.02% of Mo, or 0.1-0.5% of TiAl particles. The high-strength steel sheet has a complex tissue containing austenite and fine k-carbide with an average particle diameter of 10-500 nm.

No. of Pages : 20 No. of Claims : 6

(54) Title of the invention : HOMEOPATHIC THERAPEUTIC METHOD AND COMPOSITIONS

(51) International classification	:A61K 36/28, A61K 35/56, A61K 36/38, A61K 36/45, A61K 36/22	(71)Name of Applicant : 1)CEARNA, INC. Address of Applicant :4280 Napier Ave, san Diego, California 92110, United States of America U.S.A.
(31) Priority Document No	:61/448,913	(72)Name of Inventor :
(32) Priority Date	:03/03/2011	1)POLICH, Nancy, Josephine
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2012/027546	
Filing Date	:02/03/2012	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:8413/DELNP/2013	
Filed on	:26/09/2013	

(57) Abstract :

The present invention relates to compositions including a homeopathic aqueous substance active (RASA) and at least one hydrophilic gelling agent, the RASA comprises a homeopathic compound at a potency of 30C or higher and an uninhibited aqueous composition. The present invention also relates to methods of preparing a hydrophilic RASA-gel matrix. The method includes combining a homeopathic compound and an uninhibited aqueous composition to produce a RASA; combining the RASA with at least one hydrophilic gelling agent; and thereafter, forming the hydrophilic RASA-gel matrix by use of at least one of a thickening agent, a crosslinking agent, or a polymerization agent.

No. of Pages : 73 No. of Claims : 44

(54) Title of the invention : EXTENDED TELEVISION REMINDERS

(51) International classification	:H04N 5/445, H04N 7/173, H04W 4/14, H04L 29/08, H04L 29/06	(71)Name of Applicant : 1)Telefonaktiebolaget LM Ericsson (Publ) Address of Applicant :SE-164 83 Stockholm (SE) Sweden
(31) Priority Document No	:202018008731	(72)Name of Inventor :
(32) Priority Date	:29/02/2020	1)SVENSSON, Magnus
(33) Name of priority country	:Sweden	2)BOGEBRANT, Mathias
(86) International Application No	:PCT/IB2008/002950	
Filing Date	:14/08/2008	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:1665/DELNP/2011	
Filed on	:07/03/2011	

(57) Abstract :

Extended television (TV) reminders enable a user to add a reminder about a TV program or other content in a communication network, a reminder that can be connected to either an event from the EPG or just a time and date. If the user is logged in on an Internet protocol (IP) TV system, the reminder can be displayed on the user's TV display, and if the user is not logged in, a message can be sent to a user device, e.g., a Short Message Service (SMS), text, or other message. Choices presented to the user when a reminder occurs can include accept, snooze (for a configurable amount of time), and delete, among others. If the reminder is connected to a linear TV program, an option to record the program can also be presented (if allowed by the user's subscription and equipment). Reminders are preferably stored in the network, e.g., as a part of a user's service profile. Storing reminders in the network rather than a local device enables the reminders to be provided to the user anywhere, to any network-connected device.



No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018009738 A

(19) INDIA

(22) Date of filing of Application :06/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PESTICIDAL MIXTURES INCLUDING SPIROHETEROCYCLIC PYRROLIDINE DIONES

(51) International classification	:A01N 47/02, A01N 43/90, A01N 43/707, A01N 53/00, A01N 43/22	(71)Name of Applicant : 1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215, CH-4058 Basel, Switzerland Switzerland
(31) Priority Document No	:11191433.9	(72)Name of Inventor :
(32) Priority Date	:30/11/2011	1)BUCHHOLZ, Anke
(33) Name of priority country	:EPO	2)HATT, Fabienne
(86) International Application No	:PCT/EP2012/073890	3)RINDLISBACHER, Alfred
Filing Date	:29/11/2012	4)MUEHLEBACH, Michel
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:3863/DELNP/2014	
Filed on	:29/11/2012	

(57) Abstract :

A PESTICIDAL MIXTURES INCLUDING SPIROHETEROCYCLIC PYRROLIDINE DIONES A pesticidal mixture comprising as active ingredient a mixture of component A and component B, wherein component A is a compound of formula (I), in which Q is i or ii wherein X, Y and Z, m and n, A, G, and R, are as defined as in claim 1, and component B is a compound selected from the following insecticides: a), pymetrozine; b). a pyrethroid selected from the group consisting of cyhalothrin, lambda-cyhalothrin, gamma-cyhalothrin; c). a macrolide selected from the group consisting of abamectin, emamectin benzoate, and spinetoram; d). a diamide selected from the group consisting of chlorantraniliprole and cyantraniliprole; e). thiamethoxam; f). sulfoxaflor; g). cyenopyrafen. The present invention also relates to methods of using said mixtures for the control of plant pests.

No. of Pages : 70 No. of Claims : 18

(54) Title of the invention : IMPLEMENTATION OF BIOMETRIC AUTHENTICATION

(51) International classification :G06K 9/00
 (31) Priority Document No :62/556,413
 (32) Priority Date :09/09/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2018/015603
 Filing Date :26/01/2018
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201817036875
 Filed on :28/09/2018

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)VAN OS, Marcel**2)ABBASIAN, Reza****3)ANTON, Peter D.****4)BEHZADI, Arian****5)BERNSTEIN, Jeffrey, Traer****6)DASCOLA, Jonathan, R.****7)DEVINE, Lynne****8)DRYER, Allison****9)FOSS, Christopher, Patrick****10)GRIFFIN, Bradley, W.****11)LEMMENS, Cas****12)MALIA, Joseph, A.****13)MARI, Pedro****14)MOHSENI, Daamun****15)MOUILLESEAU, Jean-Pierre, M.****16)MOUSSETTE, Camille****17)PAUL, Grant****18)PRESTON, Daniel, Trent****19)PUGH, Chelsea, E.****20)SHARMA, Praveen****21)TYLER, William, M.****22)VERWEIJ, Hugo****23)YING, Charles, H.****24)YERKES, Giancarlo****25)DYE, Alan C.****26)IVE, Jonathan P.**

(57) Abstract :

The present disclosure relates generally to implementing biometric authentication. In some examples, a device provides user interfaces for a biometric enrollment process tutorial. In some examples, a device provides user interfaces for aligning a biometric feature for enrollment. In some examples, a device provides user interfaces for enrolling a biometric feature. In some examples, a device provides user interfaces for providing hints during a biometric enrollment process. In some examples, a device provides user interfaces for application-based biometric authentication. In some examples, a device provides user interfaces for autofilling biometrically secured fields. In some examples, a device provides user interfaces for unlocking a device using biometric authentication. In some examples, a device provides user interfaces for retrying biometric authentication. In some examples, a device provides user interfaces for managing transfers using biometric authentication. In some examples, a device provides interstitial user interfaces during biometric authentication. In some examples, a device provides user interfaces for preventing retrying biometric authentication. In some examples, a device provides user interfaces for cached biometric authentication. In some examples, a device provides user interfaces for autofilling fillable fields based on visibility criteria. In some examples, a device provides user interfaces for automatic log-in using biometric authentication.



No. of Pages : 928 No. of Claims : 288

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018010071 A

(19) INDIA

(22) Date of filing of Application :09/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHOD FOR CONTROLLING THE PRODUCTION OF A BIOCIDES •

(51) International classification :C02F 1/76
(31) Priority Document No :61/761,922
(32) Priority Date :07/02/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2014/050130
Filing Date :06/02/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :6988/DELNP/2015
Filed on :07/08/2015

(71)Name of Applicant :
1)A.Y. LABORATORIES LTD.
Address of Applicant :8 Beery Street, 6468208 Tel Aviv,
Israel Israel
(72)Name of Inventor :
1)BARAK, Ayala

(57) Abstract :

A method and apparatus for producing a biocide from a hypochlorite oxidant and an ammonium salt are provided. The method includes monitoring a control parameter to optimize the ratio between the hypochlorite oxidant and the ammonium salt. The control parameter may be oxidation-reduction potential, conductivity, induction or oxygen saturation.



No. of Pages : 38 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018010144 A

(19) INDIA

(22) Date of filing of Application :09/03/2020

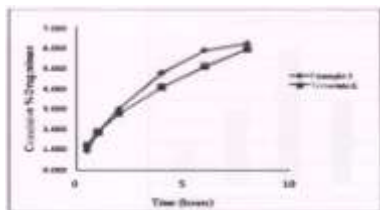
(43) Publication Date : 07/08/2020

(54) Title of the invention : TOPICAL COMPOSITIONS COMPRISING A CORTICOSTEROID

(51) International classification	:A61K 9/107, A61K 31/573	(71)Name of Applicant :
(31) Priority Document No	:14/645297	1)PROMIUS PHARMA LLC
(32) Priority Date	:11/03/2015	Address of Applicant :107 College Road East Princeton New Jersey 08540, USA 08540 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2016/022194	1)KANDAVILLI, Sateesh
Filing Date	:11/03/2016	2)BOMMAGANI, Madhusudhan
(87) International Publication No	: NA	3)NALAMOTHU, Vijendra
(61) Patent of Addition to Application Number	:NA	4)OKUMU, Franklin
Filing Date	:NA	5)CHARI, Amalavoyal Raghav
(62) Divisional to Application Number	:201717032135	
Filed on	:11/09/2017	

(57) Abstract :

Topical compositions comprising a corticosteroid and at least one penetration enhancing agent, wherein the composition is substantially free of propylene glycol.



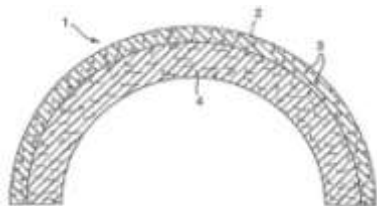
No. of Pages : 69 No. of Claims : 13

(54) Title of the invention : PROSTHESIS

(51) International classification	:A61F 2/34, A61L 27/18, A61L 27/56, C08J 9/26	(71)Name of Applicant : 1)FINSBURY (DEVELOPMENT) LIMITED Address of Applicant :13 Mole Business Park, Randalls Road, Leatherhead Surrey KT22 7BA, United Kingdom U.K. (72)Name of Inventor : 1)ANDREW CLIVE TAYLOR
(31) Priority Document No	:1001830.7	
(32) Priority Date	:04/02/2010	
(33) Name of priority country	:U.K.	
(86) International Application No	:PCT/GB2011/050188	
Filing Date	:03/02/2011	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:5691/DELNP/2012	
Filed on	:26/06/2012	

(57) Abstract :

A prosthesis comprising: an inner layer (4) formed from a polyaryletherketone; a first outer layer (2a) adjacent to said inner layer formed from a porous polyaryletherketone, at least some of said pores having located therein material to promote osteointegration; and a second outer layer (2b) adjacent to said first outer layer formed from a porous polyaryletherketone, a portion of said pores being free of material to promote osteointegration. The invention also relates to a method of manufacture of the prosthesis. In an alternative arrangement, the prosthesis comprises: an inner layer formed from a polyaryletherketone; a first outer layer adjacent to said inner layer formed from a porous polyaryletherketone, at least some of said pores having located therein material to promote osteointegration having a crystallinity of from about 60 % to about 90 %; and a second outer layer adjacent to said first outer layer formed from a porous polyaryletherketone, at least a portion of said pores having located therein material to promote osteointegration having a crystallinity of less than about 50 %.



No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018010543 A

(19) INDIA

(22) Date of filing of Application :12/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TFPI INHIBITORS AND METHODS OF USE

(51) International classification	:A47D0013060000, A47G0001040000, B65D0021020000, G06F0021600000, A63B0022020000	(71)Name of Applicant : 1)BAXALTA INCORPORATED Address of Applicant :1200 Lakeside Drive, Bannockburn, Illinois 60015, United States of America U.S.A. 2)BAXALTA GMBH
(31) Priority Document No	:202018010543	(72)Name of Inventor :
(32) Priority Date	:23/03/2018	1)DOCKAL, Michael
(33) Name of priority country	:Australia	2)HARTMANN, Rudolf
(86) International Application No	:PCT/US2011/024604	3)FRIES, Markus
Filing Date	:11/02/2011	4)SCHEIFLINGER, Friedrich
(87) International Publication No	: NA	5)EHRLICH, Hartmut
(61) Patent of Addition to Application Number	:NA	6)REINEKE, Ulrich
Filing Date	:NA	7)OSTERKAMP, Frank
(62) Divisional to Application Number	:8358/DELNP/2012	8)POLAKOWSKI, Thomas
Filed on	:25/09/2012	

(57) Abstract :

See as attThe invention provides peptides that bind Tissue Factor Pathway Inhibitor (TFPI), including TFPI-inhibitory peptides, and compositions thereof. The peptides may be used to inhibit a TFPI, enhance thrombin formation in a clotting factor-deficient subject, increase blood clot formation in a subject, treat a blood coagulation disorder in a subject, purify TFPI, and identify a TFPI-binding compound.



No. of Pages : 1694 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018010579 A

(19) INDIA

(22) Date of filing of Application :12/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DIOXOLANE ANALOGUES OF URIDINE FOR THE TREATMENT OF CANCER •

(51) International classification	:A61K0031675000, C07F0009655800, A61K0045060000, C07D0405040000, C07H0023000000	(71)Name of Applicant : 1)MEDIVIR AB Address of Applicant :Blasieholmsgatan 2, S-11148 Stockholm, Sweden Sweden
(31) Priority Document No	:1450983-0	(72)Name of Inventor :
(32) Priority Date	:25/08/2014	1)BETHEL, Richard
(33) Name of priority country	:Sweden	2)ENEROTH, Anders
(86) International Application No	:PCT/EP2015/069370	3)KLASSON, Bjrn
Filing Date	:24/08/2015	4)-BERG, Fredrik
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:201717003997	
Filed on	:03/02/2017	

(57) Abstract :

The invention provides compounds of formula (I), wherein: R1 is OR11, or NR5R5'; R2 is H or F; R5 is H, C1-C6alkyl, OH, C(=O)R6, O(C=O)R6 or O(C=O)OR6; R5' is H or C1-C6alkyl; R6 is C1-C6alkyl or C3-C7cycloalkyl; R13 is H, phenyl, pyridyl, benzyl, indolyl or naphthyl wherein the phenyl, pyridyl, benzyl, indolyl and naphthyl is optionally substituted with 1, 2 or 3 R22; and the other variables are as defined in the claims, which are of use in the treatment of cancer, and related aspects.

No. of Pages : 70 No. of Claims : 15

(54) Title of the invention : METHOD FOR PRODUCING DIPHENYLMETHANE DERIVATIVE •

(51) International classification :C07D 407/04, C07D 409/04, C07D 307/78
 (31) Priority Document No :10-2016-0075910
 (32) Priority Date :17/06/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/006271
 Filing Date :15/06/2017
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201817048074
 Filed on :19/12/2018

(71)Name of Applicant :

1)DAEWOONG PHARMACEUTICAL CO., LTD.

Address of Applicant :35-14, Jeyakongdan 4-gil, Hyangnam-eup, Hwaseong-si, Gyeonggi-do 18623, Republic of Korea
 Republic of Korea

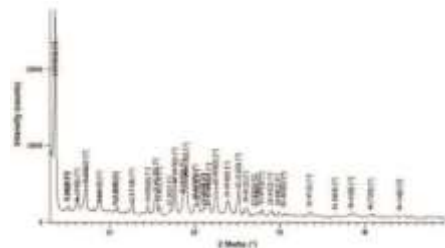
2)GREEN CROSS CORPORATION

(72)Name of Inventor :

1)YOON, Hee-kyoon**2)PARK, Se-Hwan****3)YOON, Ji-sung****4)CHOI, Soongyu****5)SEO, Hee Jeong****6)PARK, Eun-Jung****7)KONG, Younggyu****8)SONG, Kwang-Seop****9)KIM, Min Ju****10)PARK, So Ok**

(57) Abstract :

The present invention relates to an improved method for producing a diphenylmethane derivative which is effective as a sodium-dependent glucose cotransporter (SGLT) inhibitor, the method being carried out by means of a convergent synthesis method in which each major group is separately synthesized and then coupled. As such, in comparison to a linear synthesis method disclosed in existing documents, the synthesis pathway is compact and yield can be increased, and risk factors inherent in the linear synthesis pathway can be reduced. Furthermore, the crystal form of the compound produced according to the method has superb physicochemical characteristics, and thus can be effectively utilized in fields such as pharmaceutical manufacturing.



No. of Pages : 96 No. of Claims : 1

(54) Title of the invention : METHOD FOR PRODUCING DIPHENYLMETHANE DERIVATIVE •

(51) International classification :C07D 407/04, C07D 409/04, C07D 307/78
 (31) Priority Document No :10-2016-0075910
 (32) Priority Date :17/06/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/006271
 Filing Date :15/06/2017
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201817048074
 Filed on :19/12/2018

(71)Name of Applicant :

1)DAEWOONG PHARMACEUTICAL CO., LTD.

Address of Applicant :35-14, Jeyakongdan 4-gil, Hyangnam-eup, Hwaseong-si, Gyeonggi-do 18623, Republic of Korea
 Republic of Korea

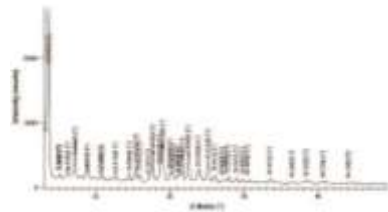
2)GREEN CROSS CORPORATION

(72)Name of Inventor :

1)YOON, Hee-kyoon**2)PARK, Se-Hwan****3)YOON, Ji-sung****4)CHOI, Soongyu****5)SEO, Hee Jeong****6)PARK, Eun-Jung****7)KONG, Younggyu****8)SONG, Kwang-Seop****9)KIM, Min Ju****10)PARK, So Ok**

(57) Abstract :

The present invention relates to an improved method for producing a diphenylmethane derivative which is effective as a sodium-dependent glucose cotransporter (SGLT) inhibitor, the method being carried out by means of a convergent synthesis method in which each major group is separately synthesized and then coupled. As such, in comparison to a linear synthesis method disclosed in existing documents, the synthesis pathway is compact and yield can be increased, and risk factors inherent in the linear synthesis pathway can be reduced. Furthermore, the crystal form of the compound produced according to the method has superb physicochemical characteristics, and thus can be effectively utilized in fields such as pharmaceutical manufacturing.



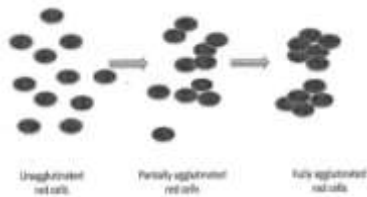
No. of Pages : 100 No. of Claims : 14

(54) Title of the invention : METHODS FOR DETECTING AND MEASURING AGGREGATION

<p>(51) International classification :G01N 33/53, G01N 33/556</p> <p>(31) Priority Document No :61/673,215</p> <p>(32) Priority Date :18/07/2012</p> <p>(33) Name of priority country :U.S.A.</p> <p>(86) International Application No :PCT/US2013/051165</p> <p style="padding-left: 20px;">Filing Date :18/07/2013</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p style="padding-left: 20px;">Filing Date :NA</p> <p>(62) Divisional to Application Number :11198/DELNP/2014</p> <p style="padding-left: 20px;">Filed on :29/12/2014</p>	<p>(71)Name of Applicant : 1)THERANOS IP COMPANY, LLC Address of Applicant :7333 Gateway Boulevard, Newark, California 94560, United States of America U.S.A.</p> <p>(72)Name of Inventor : 1)PATEL, Paul 2)ANEKAL, Samartha 3)GIBBONS, Ian 4)HOLMES, Elizabeth 5)JOSHI, Swapna</p>
---	--

(57) Abstract :

Methods, compositions, systems, and devices are provided for performing and analyzing agglutination assays. In one aspect, methods for image analysis of agglutination assays are provided. In another aspects, methods for performing agglutination assays are provided. In one aspect, the methods may be used for the detection of various molecules, including viruses or antibodies against a virus. In another aspect, the methods can be used to determine effective immunization of a subject.



No. of Pages : 85 No. of Claims : 10

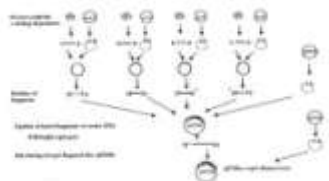
(54) Title of the invention : A NUCLEIC ACID MOLECULE •

(51) International classification :A61K 39/02, C07K 14/20
(31) Priority Document No :61/334,901
(32) Priority Date :14/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/036533
Filing Date :13/05/2011
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :10511/DELNP/2012
Filed on :04/12/2012

(71)Name of Applicant :
1)BAXALTA INCORPORATED
Address of Applicant :1200 Lakeside Drive, Bannockburn, Illinois 60015, United States of America U.S.A.
2)BAXALTA GMBH
3)THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK
4)BROOKHAVEN SCIENCE ASSOCIATES, LLC
(72)Name of Inventor :
1)BRIAN A. CROWE
2)IAN LIVEY
3)MARIA O'ROURKE
4)MICHAEL SCHWENDINGER
5)JOHN J. DUNN
6)BENJAMIN J. LUFT

(57) Abstract :

The present invention relates to a nucleic acid molecule selected from the group consisting of: (a) a nucleic acid molecule comprising a nucleotide sequence with at least 90, 91, 92, 93, 94, 95, 96, 97, 98, or 99 percent sequence identity with the nucleotide sequence set forth in SEQ ID NO: 7, SEQ ID NO: 9, or SEQ ID NO: 11; (b) a nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of the sequence set forth in SEQ ID NO: 7, SEQ ID NO: 9, or SEQ ID NO: 11; (c) a nucleic acid molecule consisting of a nucleotide sequence selected from the group consisting of the sequence set forth in SEQ ID NO: 7, SEQ ID NO: 9, or SEQ ID NO: 11.



No. of Pages : 206 No. of Claims : 22

(54) Title of the invention : CROWN INPUT FOR A WEARABLE ELECTRONIC DEVICE

(51) International classification :G06F 3/0362, G04G 21/00

(31) Priority Document No :61/873,356

(32) Priority Date :03/09/2013

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/053951

Filing Date :03/09/2014

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :201617008291

Filed on :09/03/2016

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)ZAMBETTI, Nicholas

2)CHAUDHRI, Imran

3)DASCOLA, Jonathan, R.

4)DYE, Alan, C.

5)FOSS, Christopher, Patrick

6)GUZMAN, Aurelio

7)KARUNAMUNI, Chanaka, G.

8)KERR, Duncan, Robert

9)LEMAY, Stephen, O.

10)WILSON, Christopher

11)WILSON, Eric, Lance

12)YANG, Lawrence, Y.

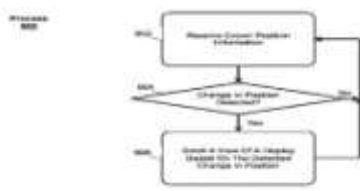
13)BUTCHER, Gary, I

14)IVE, Jonathan, P.

15)LYNCH, Kevin

(57) Abstract :

The present disclosure relates to manipulating a user interface on a wearable electronic device using a mechanical crown. In some examples, the user interface can be scrolled or scaled in response to a rotation of the crown. The direction of the scrolling or scaling and the amount of scrolling or scaling can depend on the direction and amount of rotation of the crown, respectively. In some examples, the amount of scrolling or scaling can be proportional to the change in rotation angle of the crown. In other examples, a speed of scrolling or a speed of scaling can depend on a speed of angular rotation of the crown. In these examples, a greater speed of rotation can cause a greater speed of scrolling or scaling to be performed on the displayed view.



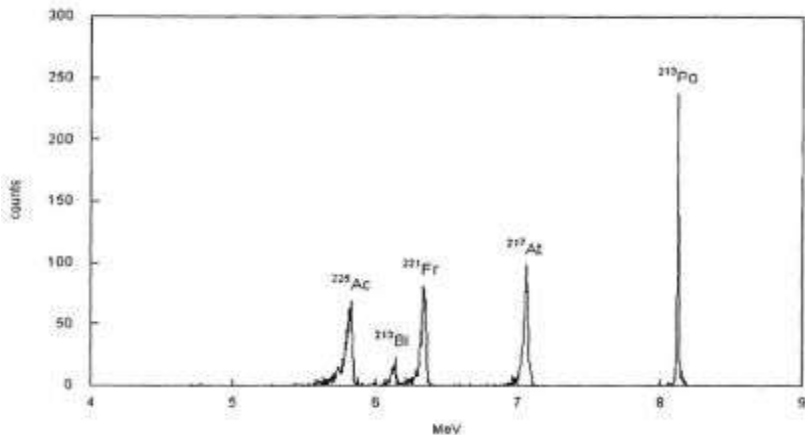
No. of Pages : 91 No. of Claims : 66

(54) Title of the invention : METHOD FOR PURIFICATION OF 225AC FROM IRRADIATED 226RA-TARGETS

(51) International classification	:G21G 4/08, C01F 17/00, C22B 60/02	(71)Name of Applicant :	1)ACTINIUM PHARMACEUTICALS, INC
(31) Priority Document No	:10 2006 008 023.8		Address of Applicant :Koll Corporate Center 25B Hanover Road Florham Park, NJ 07932, USA Delhi India
(32) Priority Date	:21/02/2006	(72)Name of Inventor :	1)HENKELMANN, Richard
(33) Name of priority country	:Germany		2)HENGES, Ernst
(86) International Application No	:PCT/EP2007/001424		3)MORENO BERMUDEZ, Josue, Manuel
Filing Date	:19/02/2007		4)TRLER, Andreas
(87) International Publication No	: NA		5)KABAI, Eva
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:6317/DELNP/2008		
Filed on	:02/07/2008		

(57) Abstract :

The present invention describes a method for purification of 225Ac from irradiated 226Ra-targets provided on a support, comprising a leaching treatment of the 226Ra-targets for leaching essentially the entirety of 225Ac and 226Ra with nitric or hydrochloric acid, followed by a first extraction chromatography for separating 225Ac from 226Ra and other Ra-isotops and a second extraction chromatography for separating 225Ac from 210Po and 210Pb. The finally purified 225Ac can be used to prepare compositions useful for pharmaceutical purposes.



alpha-spectrum of ²²⁵Ac after Po and Pb purification

No. of Pages : 52 No. of Claims : 23

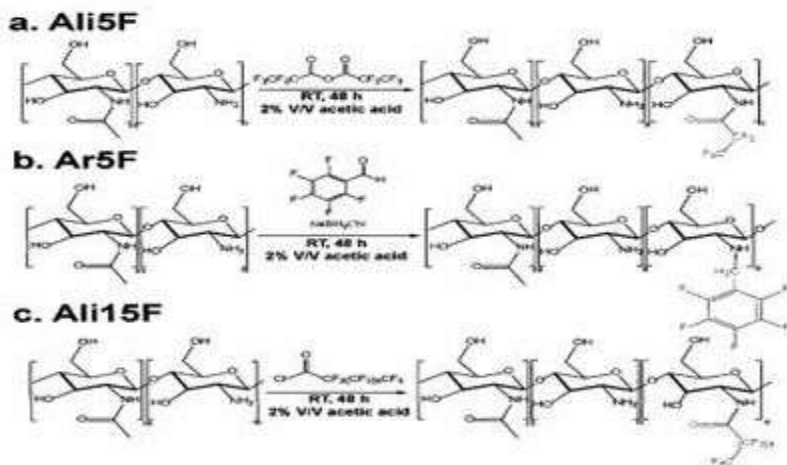
(54) Title of the invention : A HYDROGEL •

(51) International classification :A61L 27/52
 (31) Priority Document No :61/590,379
 (32) Priority Date :25/01/2012
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2013/023183
 Filing Date :25/01/2013
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :6200/DELNP/2014
 Filed on :23/07/2014

(71)Name of Applicant :
1)THE UNIVERSITY OF AKRON
 Address of Applicant :302 E. Buchtel Common, Akron, Ohio
 44325, USA U.S.A.
 (72)Name of Inventor :
1)NIC LEIPZIG
2)ASANKA WIJEKOON

(57) Abstract :

The present invention relates to a hydrogel comprising: a crosslinked polysaccharide, wherein the polysaccharide has a pendant fluorine group attached to a polysaccharide chain, wherein the pendant fluorine group is selected from the group consisting of:



No. of Pages : 65 No. of Claims : 14

(54) Title of the invention : CLUTCH DEVICE

(51) International classification :F16D 13/52
 (31) Priority Document No :JP2011-251174
 (32) Priority Date :17/11/2011
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2012/079337
 Filing Date :13/11/2012
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :3917/DELNP/2014
 Filed on :15/05/2014

(71)Name of Applicant :

1)KABUSHIKI KAISHA F.C.C

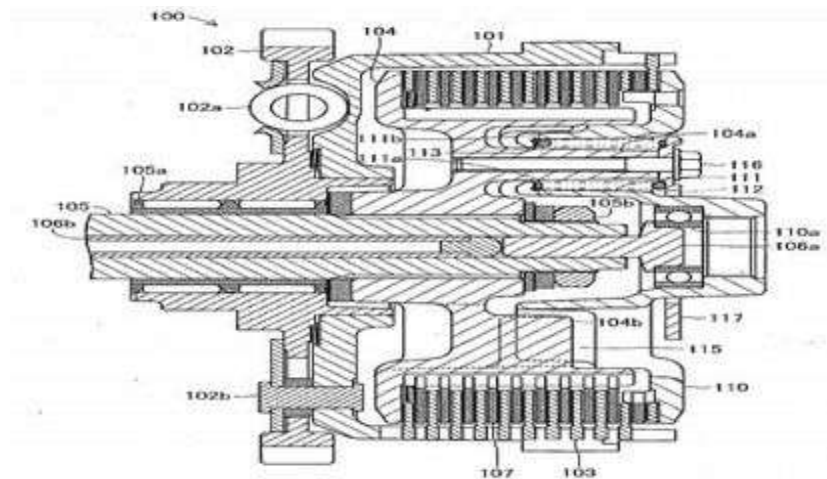
Address of Applicant :7000-36, Nakagawa, Hosoe-cho, Kita-ku, Hamamatsu-shi, Shizuoka 4311304, Japan Japan

(72)Name of Inventor :

1)KENICHIROU ISOBE**2)TOMOYASU SATOU****3)SHINJI FURUHASHI****4)NORIKAZU TAKEDA**

(57) Abstract :

Provided is a clutch device for which secure spring seat placement can be easily confirmed and which can reduce the labor of manufacturing work by preventing the falling or change in orientation of the spring seat. The clutch device (100) is provided with a pressure plate (110) that presses friction plates (103), which are rotationally driven by a driving shaft, onto clutch plates (107). The pressure plate (110) is provided with clutch springs (112) and spring seats (113) inside receiving parts (111) that are formed in a sunken shape. For the spring seats (113), two tabular pieces (113a, 113b) are formed in a C-shape along the bottom (111a) of the receiving parts (111). On the perimeters of the pieces (113a, 113b), projections (114a, 114b) that protrude outward are formed. In the inner wall towards the bottom (111a) of the receiving parts (111), recesses (111b) into which the projections (114a, 114b) fit are formed.



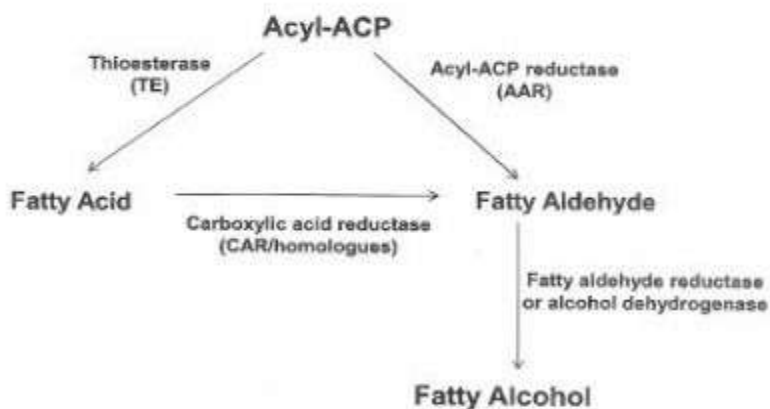
No. of Pages : 44 No. of Claims : 2

(54) Title of the invention : ACYL-ACP REDUCTASE WITH IMPROVED PROPERTIES

(51) International classification :C12N 9/02, C12N 15/53, C12P 7/04
 (31) Priority Document No :61/753,273
 (32) Priority Date :16/01/2013
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2014/011859
 Filing Date :16/01/2014
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :5749/DELNP/2015
 Filed on :30/06/2015

(71)Name of Applicant :
1)GENOMATICA, INC.
 Address of Applicant :4757 Nexus Center Drive San Diego, California 92121, United States of America U.S.A.
 (72)Name of Inventor :
1)RUDE, Mathew
2)TRINH, Na
3)SCHIRMER, Andreas
4)GANO, Jacob

(57) Abstract :
 ACYL-ACP REDUCTASE WITH IMPROVED PROPERTIES The disclosure relates to acyl-ACP reductase (AAR) enzyme variants that result in improved fatty aldehyde and fatty alcohol production when expressed in recombinant host cells. The disclosure further relates to methods of making and using such AAR variants for the production of fatty alcohol compositions having particular characteristics.



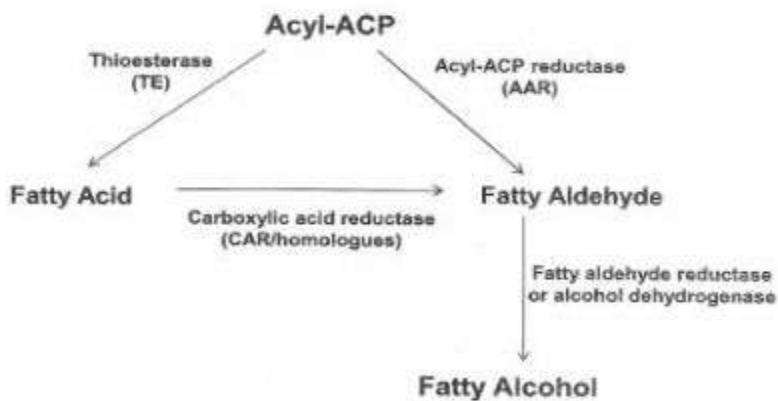
No. of Pages : 199 No. of Claims : 22

(54) Title of the invention : ACYL-ACP REDUCTASE WITH IMPROVED PROPERTIES

(51) International classification :C12N 9/02, C12N 15/53, C12P 7/04
 (31) Priority Document No :61/753,273
 (32) Priority Date :16/01/2013
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2014/011859
 Filing Date :16/01/2014
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :5749/DELNP/2015
 Filed on :30/06/2015

(71)**Name of Applicant :**
1)GENOMATICA, INC.
 Address of Applicant :4757 Nexus Center Drive San Diego, California 92121, United States of America U.S.A.
 (72)**Name of Inventor :**
1)RUDE, Mathew
2)TRINH, Na
3)SCHIRMER, Andreas
4)GANO, Jacob

(57) Abstract :
 ACYL-ACP REDUCTASE WITH IMPROVED PROPERTIES The disclosure relates to acyl-ACP reductase (AAR) enzyme variants that result in improved fatty aldehyde and fatty alcohol production when expressed in recombinant host cells. The disclosure further relates to methods of making and using such AAR variants for the production of fatty alcohol compositions having particular characteristics.



No. of Pages : 195 No. of Claims : 16

(54) Title of the invention : COMPOSITIONS COMPRISING PEG AND ASCORBATE •

(51) International classification :A61K 31/375, A61K 9/00, A61K 47/10, A61P 1/10

(31) Priority Document No :61/699,488

(32) Priority Date :11/09/2012

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/EP2013/068738

Filing Date :10/09/2013

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :1704/DELNP/2015

Filed on :02/03/2015

(71)Name of Applicant :

1)Norgine BV

Address of Applicant :Hogehilweg 7, NL-1101 CA Amsterdam Zuid-Oost, Netherlands Netherlands

(72)Name of Inventor :

1)CLAYTON, Lucy

2)COCKETT, Alasdair

3)CHRISTODOULOU, Mark

4)DAVIDSON, Ian

5)FARRAG, Lynn

6)HALPHEN, Marc

7)JONES, Leighton

8)PETROSSIAN, Vanik

9)STEIN, Peter

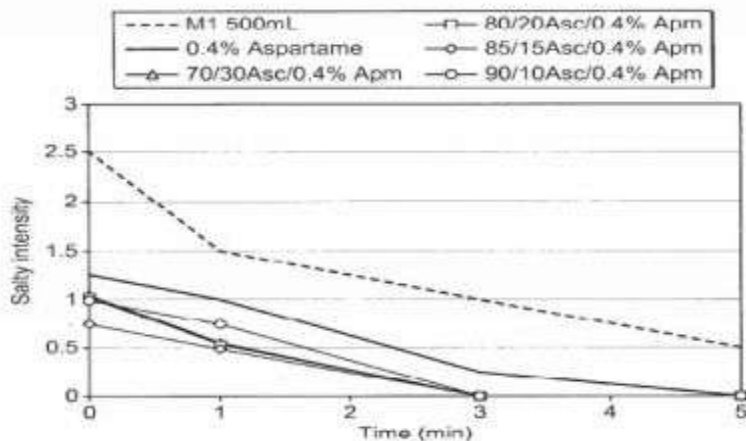
10)TISI, David

11)UNGAR, Alex

12)WORTHINGTON, Jeffrey

(57) Abstract :

COMPOSITIONS COMPRISING PEG AND ASCORBATE • The invention provides a colon cleansing solution comprising: a) 300 to 800 mmol per litre ascorbate anion provided by a mixture of: (i) ascorbic acid and (ii) one or more salts of ascorbic acid the components (i) and (ii) being present in a molar ratio of from 1:4.5 to 1:7.0; and b) 10 to 200 g per litre polyethylene glycol. The invention also provides methods and kits associated with, or making use of the solutions, and compositions for the preparation of the solutions.



No. of Pages : 89 No. of Claims : 28

(54) Title of the invention : LEAD-FREE, SILVER-FREE SOLDER ALLOYS

(51) International classification :B23K 35/26, C22C 13/02
 (31) Priority Document No :61/898,202
 (32) Priority Date :31/10/2013
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2014/062866
 Filing Date :29/10/2014
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201617014706
 Filed on :27/04/2016

(71)Name of Applicant :
1)ALPHA METALS, INC.
 Address of Applicant :109 Corporate Blvd. South Plainfield, New Jersey 07080, United States of America U.S.A.
 (72)Name of Inventor :
1)MURPHY, Michael
2)PANDHER, Ranjit, S.

(57) Abstract :

ABSTRACT LEAD-FREE, SILVER-FREE SOLDER ALLOYS A lead- free, silver-free solder alloy includes 0.001 to 0.800 % by weight copper, 0.001 to 0.050 % by weight nickel, 0.001 to 0.012 % by weight phosphorus or germanium, 0.001 to 0.008 % by weight gallium; and balance tin, together with unavoidable impurities. The solder alloy can be in the form of one of a bar, a stick, a solid or flux cored wire, a foil or strip, or a powder or paste, or solder spheres for use in ball grid arrays or chip scale packages, or other pre-formed solder pieces. The solder alloy can be used to create a solder joint between an electronic component and a pad of an electronic substrate.

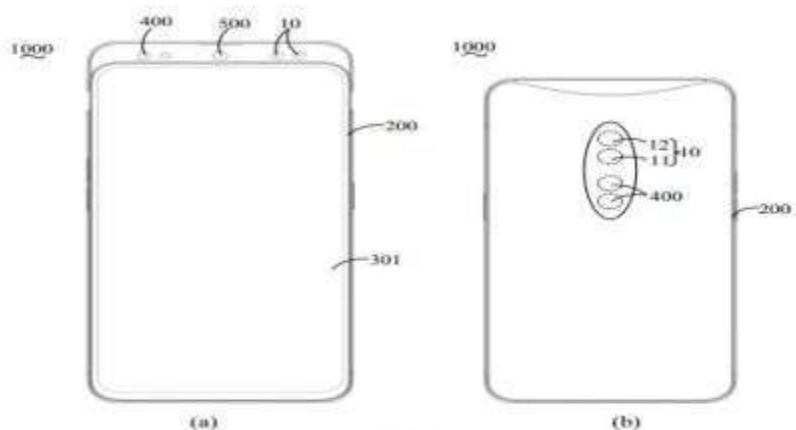


FIG. 1

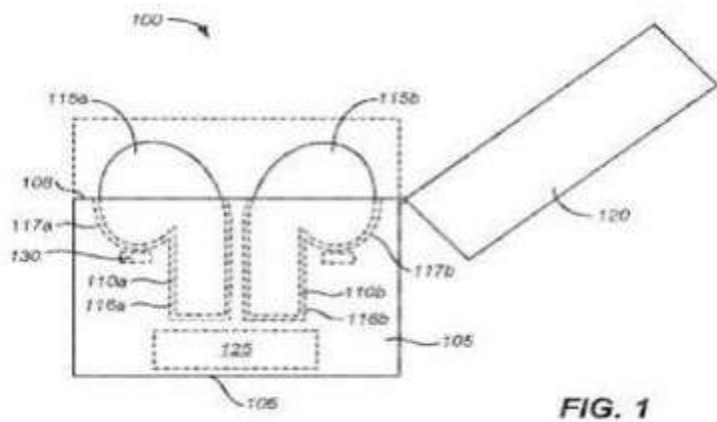
No. of Pages : 17 No. of Claims : 14

(54) Title of the invention : EARBUD CASE WITH PAIRING BUTTON

(51) International classification :H04R 1/10, H04R 5/033, A45C 11/00
(31) Priority Document No :62/235,205
(32) Priority Date :30/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053580
Filing Date :23/09/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817006308
Filed on :19/02/2018

(71)Name of Applicant :
1)APPLE INC.
Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.
(72)Name of Inventor :
1)ZORKENDORFER, Rico L.
2)PANECKI, Lee M.
3)KASAR, Darshan R.
4)WAGMAN, Daniel C.
5)RICH, Zachary C.
6)MCPEAK, James L.
7)CHANDRAMOHAN, Chandrahas Aralaguppe
8)WATSON, Robert Doran
9)COFFMAN, Patrick L.
10)BRINSFIELD, Jason W.

(57) Abstract :
ABSTRACT EARBUD CASE WITH PAIRING BUTTON 5 A case for a pair of earbuds includes a housing having cavities to receive the pair of earbuds and charging circuitry that is configured to initiate charging of the pair of earbuds when an earbud detector detects that the earbuds are inserted within the cavities.



No. of Pages : 133 No. of Claims : 20

(54) Title of the invention : WIRELESS EARBUDS AND CASE

(51) International classification :H04R 1/10, H04R 5/033, A45C 11/00
 (31) Priority Document No :62/235,205
 (32) Priority Date :30/09/2015
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2016/053580
 Filing Date :23/09/2016
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :201817006308
 Filed on :19/02/2018

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)ZORKENDORFER, Rico L.

2)PANECKI, Lee M.

3)KASAR, Darshan R.

4)WAGMAN, Daniel C.

5)RICH, Zachary C.

6)MCPEAK, James L.

7)CHANDRAMOHAN, Chandrahas Aralaguppe

8)WATSON, Robert Doran

9)COFFMAN, Patrick L.

10)BRINSFIELD, Jason W.

(57) Abstract :

ABSTRACT **EARBUD CASE WITH PAIRING BUTTON** 5 A case for a pair of earbuds includes a housing having cavities to receive the pair of earbuds and charging circuitry that is configured to initiate charging of the pair of earbuds when an earbud detector detects that the earbuds are inserted within the cavities.

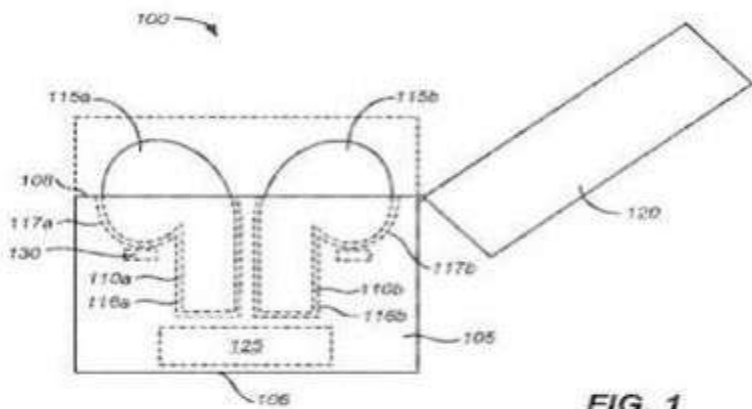


FIG. 1

No. of Pages : 136 No. of Claims : 50

(54) Title of the invention : **EARBUD CASE WITH INSERT**

(51) International classification :H04R 1/10, H04R 5/033, A45C 11/00
(31) Priority Document No :62/235,205
(32) Priority Date :30/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053580
Filing Date :23/09/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817006308
Filed on :19/02/2018

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)ZORKENDORFER, Rico L.

2)PANECKI, Lee M.

3)KASAR, Darshan R.

4)WAGMAN, Daniel C.

5)RICH, Zachary C.

6)MCPEAK, James L.

7)CHANDRAMOHAN, Chandrahas Aralaguppe

8)WATSON, Robert Doran

9)COFFMAN, Patrick L.

10)BRINSFIELD, Jason W.

(57) Abstract :

ABSTRACT EARBUD CASE WITH INSERT 5 A case for a pair of earbuds includes a housing having cavities to receive the pair of earbuds and charging circuitry that is configured to initiate charging of the pair of earbuds when an earbud detector detects that the earbuds are inserted within the cavities.

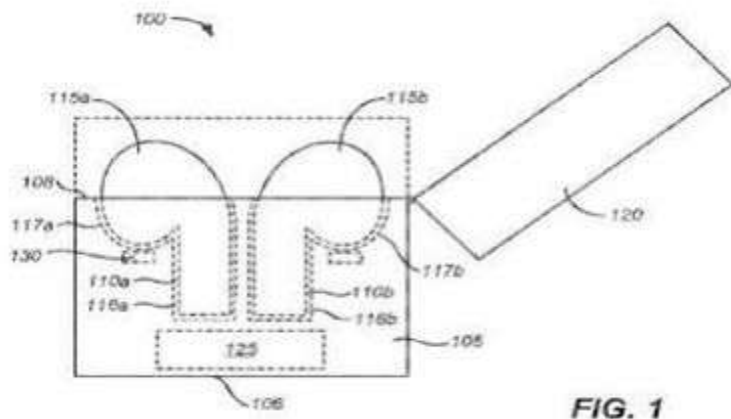


FIG. 1

No. of Pages : 134 No. of Claims : 20

(54) Title of the invention : USER INTERFACE FOR MANIPULATING USER INTERFACE OBJECTS WITH MAGNETIC PROPERTIES

(51) International classification :G06F 3/0362, G04G 21/00

(31) Priority Document No :61/873,356

(32) Priority Date :03/09/2013

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2014/053961

Filing Date :03/09/2014

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :201617009428

Filed on :17/03/2016

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)ZAMBETTI, Nicholas

2)CHAUDHRI, Imran

3)DASCOLA, Jonathan, R.

4)DYE, Alan, C.

5)FOSS, Christopher, Patrick

6)GUZMAN, Aurelio

7)KARUNAMUNI, Chanaka, G.

8)KERR, Duncan, Robert

9)WILSON, Christopher

10)WILSON, Eric, Lance

11)YANG, Lawrence, Y.

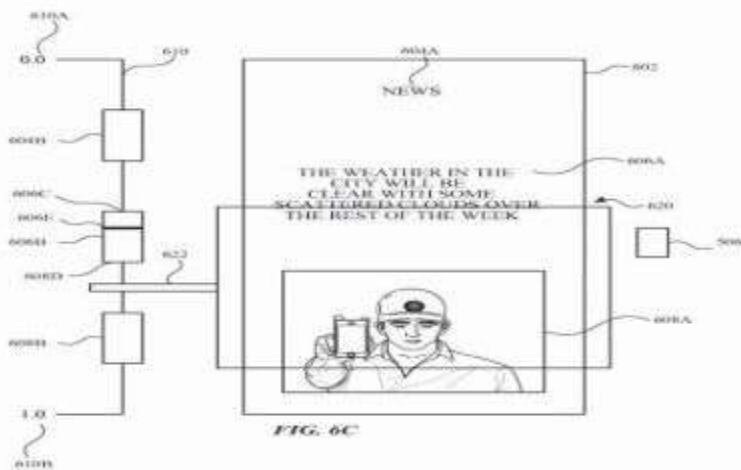
12)BUTCHER, Gary, Ian

13)DE VRIES, Nathan

14)IVE, Jonathan, P.

(57) Abstract :

ABSTRACT USER INTERFACE FOR MANIPULATING USER INTERFACE OBJECTS WITH MAGNETIC PROPERTIES The present disclosure relates to user interfaces for manipulating user interface objects. A 5 device, including a display and a rotatable input mechanism, is described in relation to manipulating user interface objects. In some examples, the manipulation of the object is a scroll, zoom, or rotate of the object. In other examples, objects are selected in accordance with simulated magnetic properties.



No. of Pages : 205 No. of Claims : 80

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018012409 A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : POLYURETHANE VIBRATORY SCREEN

(51) International classification :B07B 1/46, B07B
13/00
(31) Priority Document No :12/763,046
(32) Priority Date :19/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/023923
Filing Date :07/02/2011
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :9267/DELNP/2012
Filed on :07/02/2011

(71)Name of Applicant :
1)DERRICK CORPORATION
Address of Applicant :590 DUKE ROAD, BUFFALO, NEW
YORK, 14225, UNITED STATES OF AMERICA U.S.A.
(72)Name of Inventor :
1)LIPA. ANTHONY J.
2)COLGROVE, JAMES R.

(57) Abstract :

ABSTRACT POLYURETHANE VIBRATORY SCREEN A molded polyurethane vibratory screen including a body having opposite side edge portions, upper and lower edge portions, an upper surface and a lower surface, first members extending between the side edge portions and the second members extending between the lower edge portion and the upper edge portion, third members substantially parallel and extending transversely between the side edge portions and having multiple first members therebetween, the fourth members substantially parallel and extending transversely between the lower edge portion and the upper edge portion and having multiple second members therebetween, reinforcement members molded integrally with the third and fourth members. FIG. 1

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018012484 A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : STRENGTHENED GLASS WITH DEEP DEPTH OF COMPRESSION

(51) International classification :C03C 21/00, G01N
3/30
(31) Priority Document No :62/029,075
(32) Priority Date :25/07/2014
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/041976
Filing Date :24/07/2015
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :201717004407
Filed on :07/02/2017

(71)Name of Applicant :

1)CORNING INCORPORATED

Address of Applicant :1 Riverfront Plaza, Corning, New York
14831, USA U.S.A.

(72)Name of Inventor :

1)JONATHAN DAVID PESANSKY

2)KEVIN BARRY REIMAN

3)ROSTISLAV VATCHEV ROUSSEV

(57) Abstract :

Abstract (EN) Chemically strengthened glass articles having at least one deep compressive layer extending from a surface of the article to a depth of at least about 45 μm within the article are provided. In one embodiment, the compressive stress profile includes a single linear segment extending from the surface to the depth of compression DOC. Alternatively, the compressive stress profile includes two linear portions: the first portion extending from the surface to a relatively shallow depth and having a steep slope; and a second portion extending from the shallow depth to the depth of compression. The strengthened glass has a 60% survival rate when dropped from a height of 100 cm in an inverted ball drop test and an equibiaxial flexural strength of at least 10 kgf as determined by abraded ring on ring testing. Methods of achieving such stress profiles are also described.

No. of Pages : 88 No. of Claims : 16

(54) Title of the invention : SYSTEMS AND METHODS FOR USE IN EMISSION GUIDED RADIATION THERAPY

(51) International classification :H01J 29/02
 (31) Priority Document No :61/470,432
 (32) Priority Date :31/03/2011
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2012/031704
 Filing Date :30/03/2012
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :9046/DELNP/2013
 Filed on :21/10/2013

(71)**Name of Applicant :**
1)REFLEXION MEDICAL INC.
 Address of Applicant :1633 Bayshore Highway, Suite 126,
 Burlingame, CA 94010, United States of America U.S.A.
 (72)**Name of Inventor :**
1)MAZIN, Samuel
2)NANDURI, Akshay

(57) Abstract :

Abstract (EN) Described herein are systems and methods for positioning a radiation source with respect to one or more regions of interest in a coordinate system. Such systems and methods may be used in emission guided radiation therapy (EGRT) for the localized delivery of radiation to one or more patient tumor regions. These systems comprise a gantry movable about a patient area, where a plurality of positron emission detectors, a radiation source are arranged movably on the gantry, and a controller. The controller is configured to identify a coincident positron annihilation emission path and to position the radiation source to apply a radiation beam along the identified emission path. The systems and methods described herein can be used alone or in conjunction with surgery, chemotherapy, and/or brachytherapy for the treatment of tumors. (FR) La présente invention concerne des systèmes et des procédés pour positionner une source de rayonnement par rapport à une ou plusieurs régions d'intérêt dans un système de coordonnées. De tels systèmes et procédés peuvent être utilisés en radiothérapie guidée par émission (EGRT) pour l'administration localisée de rayonnement à une ou plusieurs régions de tumeur d'un patient. Ces systèmes comprennent un portique mobile autour d'une zone du patient, où une pluralité de détecteurs d'émission de positons, une source de rayonnement sont agencés mobiles sur le portique, et un dispositif de commande. Le dispositif de commande est configuré pour identifier un chemin d'émission d'annihilation de positons et pour positionner la source de rayonnement pour appliquer un faisceau de rayonnement le long du chemin d'émission identifié. Les systèmes et procédés présentement décrits peuvent être utilisés seuls ou conjointement avec une opération chirurgicale, une chimiothérapie, et/ou une curiethérapie de traitement de tumeurs.

No. of Pages : 73 No. of Claims : 26

(54) Title of the invention : SYSTEMS AND METHODS FOR USE IN EMISSION GUIDED RADIATION THERAPY

(51) International classification :H01J 29/02
 (31) Priority Document No :61/470,432
 (32) Priority Date :31/03/2011
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2012/031704
 Filing Date :30/03/2012
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :9046/DELNP/2013
 Filed on :21/10/2013

(71)Name of Applicant :
1)REFLEXION MEDICAL INC.
 Address of Applicant :1633 Bayshore Highway, Suite 126,
 Burlingame, CA 94010, United States of America U.S.A.
 (72)Name of Inventor :
1)MAZIN, Samuel
2)NANDURI, Akshay

(57) Abstract :

We Claim: 1: A system for positioning a radiation source comprising: a gantry; a radiation source mounted on the gantry; positron annihilation emission detectors mounted on the gantry, wherein the positron annihilation emission detectors are configured to detect a positron annihilation emission path that intersects a region of interest; and a controller in communication with the radiation source and the positron annihilation emission detectors, the controller configured to calculate attenuation of the detected positron annihilation emission path based on an image of the region of interest and to position the radiation source with respect to the detected positron annihilation emission path, wherein the radiation source is configured to generate radiation that is modulated based on the attenuation of the detected positron annihilation emission path. 2: The system of claim 1, wherein the image of the region of interest is acquired by an imaging modality selected from the group consisting of CT imaging, MRI imaging, X-ray imaging and PET imaging. 3: The system of claim 2, wherein the image of the region of interest is acquired during a radiotherapy treatment session. 4: The system of claim 1, wherein the controller is configured to dynamically calculate attenuation of the detected emission path during a radiotherapy treatment session using positron annihilation emission detector data. 5: The system of claim 1, further comprising an X-ray detector, wherein the controller is configured to dynamically calculate attenuation of the detected emission path during a radiotherapy treatment session using X-ray detector data. 6: The system of claim 1, wherein calculating the attenuation of the detected emission path comprises: calculating a density projection of the region of interest along the emission path; converting the density projection to emission path photon energies; and deriving an attenuation value based on emission path photon energies. 7: The system of claim 6, wherein modulating radiation comprises adjusting a timing or intensity of the generated radiation to compensate for the attenuation value. 41 8: The system of claim 1, wherein the detected positron annihilation emission path is defined by a pair of photons emitted by a positron annihilation event, and the controller is further configured to calculate a time difference between the detection of each of the photons in the pair of photons, calculate a location of the positron annihilation event based on the calculated time difference, wherein the location calculation has an estimation error, determine whether the location of the positron annihilation event is within the estimation error from a boundary of the region of interest, and send an instruction to the radiation source to generate radiation to the region of interest based on the attenuation of the detected emission path if the location of the positron annihilation event is within the estimation error from the boundary of the region of interest. 9: The system of claim 1, wherein positioning the radiation source comprises aligning the radiation source along the emission path. 10: The system of claim 1, wherein calculating the attenuation of the detected emission path comprises: determining, using the image of the region of interest, whether the detector positron annihilation emission path intersects a variable density region, if the detected positron annihilation emission path intersects a variable density region, calculating an attenuation factor based on the density of the intersected variable density region; and wherein the radiation source is configured to generate radiation that is modulated by the attenuation factor. 11: The system of claim 10, wherein the radiation source is configured to generate radiation that is proportional to attenuation of the detected positron annihilation emission path. 12: The system of claim 10, wherein the radiation source is configured to generate radiation that is inversely proportional to attenuation of the detected positron annihilation emission path. 13: The system of claim 10, wherein the radiation source is configured to generate radiation having an intensity that is modulated proportionally to the attenuation factor. 14: The system of claim 10, wherein the radiation source is configured to generate radiation with a time duration that is modulated proportionally to the attenuation factor. 15: The system of claim 10, wherein the radiation source is configured to generate radiation with an intensity that is modulated inversely proportionally to the attenuation factor. 16: The system of claim 10, wherein the radiation source is configured to generate radiation with a time duration that is modulated inversely proportionally to the attenuation factor. 17: The system of claim 10, wherein the variable density region has a higher density than the region of interest. 18: The system of claim 10, wherein the image of the region of interest is acquired during a radiotherapy treatment session. 19: The system of claim 10, wherein the controller is configured to dynamically calculate the attenuation factor during a radiotherapy treatment session using positron annihilation emission detector data. 20: The system of claim 10, further comprising an X-ray detector, wherein the controller is configured to dynamically calculate the attenuation factor during a radiotherapy treatment session using X-ray detector data. 21: A radiation delivery method comprising: detecting a positron annihilation emission path that intersects a region of interest; calculating attenuation of the detected emission path based on an image of the region of interest; positioning a radiation source with respect to the detected emission path; and generating radiation that is modulated based on the attenuation of the detected emission path. 22: The method of claim 21, wherein the image of the region of interest is acquired by an imaging modality selected from the group consisting of CT imaging, MRI imaging, X-ray imaging and PET imaging. 23: The method of claim 22, further comprising acquiring the image of the region of interest during a radiotherapy treatment session. 24: The method of claim 21, wherein calculating the attenuation of the detected emission path comprises dynamically calculating the attenuation of the detected emission path during a radiotherapy treatment session using positron annihilation emission detector data. 43 25: The method of claim 21, wherein calculating the attenuation of the detected emission path comprises dynamically calculating the attenuation of the detected emission path during a radiotherapy treatment session using X-ray detector data. 26: The method of claim 21, wherein calculating the attenuation of the detected emission path comprises: calculating a density projection of the region of interest along the emission path; converting the density projection to emission path photon energies; and deriving an attenuation factor based on emission path photon energies. 27: The method of claim 21, wherein generating radiation comprises generating radiation that is proportional to the attenuation of the detected emission path. 28: The method of claim 21, wherein generating radiation comprises generating radiation that is inversely proportional to the attenuation of the detected emission path. 29: The method of claim 21, wherein generating radiation comprises modulating an intensity, time duration, and/or frequency of the radiation according to the attenuation of the detected emission path. 30: The method of claim 21, wherein the detected positron annihilation emission path is defined by a pair of photons emitted by a positron annihilation event, and wherein the method further comprises: calculating a time difference between the detection of each of the photons in the pair of photons, calculating a location of the positron annihilation event based on the calculated time difference, wherein the location calculation has an estimation error, determining whether the location of the positron annihilation event is within the estimation error from a boundary of the region of interest, and generating radiation to the region of interest that is modulated based on the attenuation of the detected emission path if the location of the positron annihilation event is located within the estimation error from the boundary of the region of interest. 31: The method of claim 21, wherein positioning a radiation source with respect to the detected emission path comprises aligning the radiation source along the emission path. 32: The method of claim 21, wherein calculating attenuation of the detected emission path comprises: 44 determining, using the image of the region of interest, whether the detector positron annihilation emission path intersects a variable density region, if the detected positron annihilation emission path intersects a variable density region, calculating an attenuation factor based on the density of the intersected variable density region; and wherein generating radiation comprises generating radiation that is modulated by the attenuation factor. 33: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation that is proportional to attenuation of the detected positron annihilation emission path. 34: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation that is inversely proportional to attenuation of the detected positron annihilation emission path. 35: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation that has an intensity that is modulated proportionally to the attenuation factor. 36: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation with a time duration that is modulated proportionally to the attenuation factor. 37: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation with an intensity that is modulated inversely proportionally to the attenuation factor. 38: The method of claim 32, wherein generating radiation that is modulated by the attenuation factor comprises generating radiation with a time duration that is modulated inversely proportionally to the attenuation factor. 39: The method of claim 32, wherein the variable density region has a higher density than the region of interest. 40: The method of claim 32, further comprising acquiring the image of the region of interest during a radiotherapy treatment session. 45 41: The method of claim 32, wherein the attenuation factor is dynamically calculated during a radiotherapy treatment session using positron annihilation emission detector data. 42: The method of claim 32, wherein the attenuation factor is dynamically calculated during a radiotherapy treatment session using X-ray detector data.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018012941 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AIR CONDITIONING SYSTEM AND METHOD FOR CONTROLLING SAME •

(51) International classification	:F24F 11/02, H04Q 9/00	(71)Name of Applicant :
(31) Priority Document No	:2014-016034	1)MITSUBISHI HEAVY INDUSTRIES, LTD.
(32) Priority Date	:30/01/2014	Address of Applicant :16-5, Konan 2-chome, Minato-ku,
(33) Name of priority country	:Japan	Tokyo 1088215, Japan Japan
(86) International Application No	:PCT/JP2015/052240	(72)Name of Inventor :
Filing Date	:27/01/2015	1)ITO, Takahide
(87) International Publication No	: NA	2)ENYA, Atsushi
(61) Patent of Addition to Application Number	:NA	3)MATSUO, Minoru
Filing Date	:NA	
(62) Divisional to Application Number	:201617024646	
Filed on	:19/07/2016	

(57) Abstract :

ABSTRACT AIR CONDITIONING SYSTEM AND METHOD FOR CONTROLLING SAME • An air conditioning system (1) is provided with indoor units (A1, A2), an outdoor unit (B), and a control device (3). The control device (3) is independent of the indoor units (A1, A2) and the outdoor unit (B), and indoor unit control parts (41, 42) and an outdoor unit control part (43) are respectively installed therein as virtualized processors. The indoor unit control parts (41, 42) and the outdoor unit control part (43) installed in the control device (3) as virtual CPUs obtain information from sensors (20) and the like through a common bus (5) and execute respective control programs, thereby generating commands for controlling a variety of apparatuses constituting the indoor units (A1, A2) and the outdoor unit (B). As a result, it is possible to lower the overall cost of the system and upgrade the system version with ease.

No. of Pages : 84 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018012944 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : AIR CONDITIONING SYSTEM AND METHOD FOR CONTROLLING SAME •

(51) International classification	:F24F 11/02, H04Q 9/00	(71) Name of Applicant : 1)MITSUBISHI HEAVY INDUSTRIES, LTD. Address of Applicant :16-5, Konan 2-chome, Minato-ku, Tokyo 1088215, Japan Japan
(31) Priority Document No	:2014-016034	(72) Name of Inventor :
(32) Priority Date	:30/01/2014	1)ITO, Takahide
(33) Name of priority country	:Japan	2)ENYA, Atsushi
(86) International Application No	:PCT/JP2015/052240	3)MATSUO, Minoru
Filing Date	:27/01/2015	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:201617024646	
Filed on	:19/07/2016	

(57) Abstract :
PLEASE SEE THE ATTACHED SPECIFICATION

No. of Pages : 82 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018013006 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : LIGHT-EMITTING ELEMENT, DISPLAY MODULE, LIGHTING MODULE, LIGHT-EMITTING DEVICE DISPLAY DEVICE, ELECTRONIC APPLIANCE, AND LIGHTING DEVICE

(51) International classification :H05B 33/12, H01L 51/50
(31) Priority Document No :2013-249486
(32) Priority Date :02/12/2013
(33) Name of priority country :Japan
(86) International Application No :PCT/IB2014/066182
Filing Date :20/11/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617021639
Filed on :20/11/2014

(71)Name of Applicant :
1)SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
Address of Applicant :398, Hase, Atsugi-shi, Kanagawa-ken 243-0036, Japan Japan
(72)Name of Inventor :
1)Nobuharu OHSAWA
2)Yusuke NONAKA
3)Takahiro ISHISONE
4)Satoshi SEO
5)Takuya KAWATA

(57) Abstract :

ABSTRACT LIGHT-EMITTING ELEMENT, DISPLAY MODULE, LIGHTING MODULE, LIGHT-EMITTING DEVICE, DISPLAY DEVICE, ELECTRONIC APPLIANCE, AND LIGHTING DEVICE 5 An object of one embodiment of the present invention is to provide a multicolor light-emitting element that utilizes fluorescence and phosphorescence and is advantageous for practical application. The light-emitting element has a stacked-layer structure of a first light-emitting layer containing a host material and a fluorescent substance, a separation layer containing a substance having a hole-transport property 10 and a substance having an electron-transport property, and a second light-emitting layer containing two kinds of organic compounds that form an exciplex and a substance that can convert triplet excitation energy into luminescence. Note that a light-emitting element in which light emitted from the first light-emitting layer has an emission spectrum peak on the shorter wavelength side than an emission spectrum peak of the 15 second light-emitting layer is more effective.

No. of Pages : 130 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018013072 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : MICROBIAL PRODUCTION OF ALKANOLAMIDES AND AMIDOAMINES AND USES THEREOF

(51) International classification :C12N 9/12, C12P
13/02
(31) Priority Document No :61/623,711
(32) Priority Date :13/04/2012
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2013/030502
Filing Date :12/03/2013
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :9217/DELNP/2014
Filed on :03/11/2014

(71)Name of Applicant :
1)GENOMATICA, INC.
Address of Applicant :4757 Nexus Center Drive, San Diego,
California 92121, United States of America U.S.A.
(72)Name of Inventor :
1)LUTES, Jason, J.
2)DEL CARDAYRE, Stephen

(57) Abstract :

ABSTRACT MICROBIAL PRODUCTION OF ALKANOLAMIDES AND AMIDOAMINES AND USES THEREOF The disclosure relates to a recombinant microorganism engineered to express an enzyme which catalyzes the conversion of a primary amine and an acyl thioester to a fatty amide. The disclosure further encompasses a method of producing a fatty amide by culturing the recombinant microorganism in the presence of a carbon source.

No. of Pages : 95 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018013284 A

(19) INDIA

(22) Date of filing of Application :26/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS FOR THE PREPARATION OF 4-AMINO-1-((1S,4R, 5S)-2-FLUORO-4,5-DIHYDROXY-3-HYDROXYMETHYL-CYCLOPENT-2-ENYL)-1H-PYRIMIDIN-2-ONE

(51) International classification :C07D 239/47, A61K
31/513
(31) Priority Document No :61/800,475
(32) Priority Date :15/03/2013
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2014/030635
Filing Date :17/03/2014
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :9421/DELNP/2015
Filed on :17/03/2014

(71)Name of Applicant :

1)REXAHN PHARMACEUTICALS, INC.

Address of Applicant :15245 Shady Grove Road, Suite 455,
Rockville, Maryland 20850, USA U.S.A.

(72)Name of Inventor :

1)YIN, Haifeng

2)KIM, Deog Joong

3)FALB, Eliezer

4)PEARCEY, Leigh Andre

5)CUMMINS, Jonathan

6)DIETERICH, Petra

7)CARNIAUX, Jean-Francois

8)WANG, Yi

9)PUROHIT, Vikrain, Chandrakant

(57) Abstract :

Abstract PROCESS FOR THE PREPARATION OF 4-AMINO-1-((1S,4R, 5S)-2-FLUORO-4,5-DIHYDROXY-3-HYDROXYMETHYL-CYCLOPENT-2-ENYL)-1H-PYRIMIDIN-2-ONE Processes for the preparation of 4-amino-1-((1 S,4R,5S)-2-fluoro-4,5-dihydroxy-3-hydroxymethyl-cyclopent-2- enyl)-1Hpyrimidin- 2-one (13, RX-3117) and its intermediates are described.

No. of Pages : 39 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018013391 A

(19) INDIA

(22) Date of filing of Application :27/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : POLYURETHANE VIBRATORY SCREEN

(51) International classification :B07B 1/46, B07B
13/00
(31) Priority Document No :12/763,046
(32) Priority Date :19/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/023923
Filing Date :07/02/2011
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :9267/DELNP/2012
Filed on :07/02/2011

(71)Name of Applicant :
1)DERRICK CORPORATION
Address of Applicant :590 DUKE ROAD, BUFFALO, NEW
YORK, 14225, UNITED STATES OF AMERICA U.S.A.
(72)Name of Inventor :
1)LIPA. ANTHONY J.
2)COLGROVE, JAMES R.

(57) Abstract :

ABSTRACT POLYURETHANE VIBRATORY SCREEN A molded polyurethane vibratory screen including a body having opposite side edge portions, upper and lower edge portions, an upper surface and a lower surface, first members extending between the side edge portions and the second members extending between the lower edge portion and the upper edge portion, third members substantially parallel and extending transversely between the side edge portions and having multiple first members therebetween, the fourth members substantially parallel and extending transversely between the lower edge portion and the upper edge portion and having multiple second members therebetween, reinforcement members molded integrally with the third and fourth members.

No. of Pages : 19 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018013796 A

(19) INDIA

(22) Date of filing of Application :30/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : A COMPOUND •

(51) International classification	:C07D 471/04, A61K 31/437, A61P 35/00	(71)Name of Applicant :
(31) Priority Document No	:62/093,564	1)TAKEDA PHARMACEUTICAL COMPANY LIMITED
(32) Priority Date	:18/12/2014	Address of Applicant :1-1, Doshomachi 4-chome, Chuo-ku,
(33) Name of priority country	:U.S.A.	Osaka-shi, Osaka, 541-0045, Japan Japan
(86) International Application No	:PCT/IB2015/002489	(72)Name of Inventor :
Filing Date	:17/12/2015	1)CHEN, RONGLIANG
(87) International Publication No	: NA	2)ICHIBAKASE, TOMONORI
(61) Patent of Addition to Application	:NA	3)MA, CHUNRONG
Number	:NA	4)MATTHEWS, CHRISTOPHER
Filing Date	:NA	5)MOTOYOSHI, HAJIME
(62) Divisional to Application Number	:201717019653	6)O'BRYAN, COLIN
Filed on	:05/06/2017	7)YAJI, KENTARO
		8)YOSHIKAWA, NAOKI

(57) Abstract :

ABSTRACT A COMPOUND • A compound which is 6-((1R,2S)-2-aminocyclohexylamino)-7-fluoro-4-(1-methyl-1Hpyrazol-4-yl)-1H-pyrrolo[3,4-c]pyridine-3(2H)-one citrate.

No. of Pages : 170 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018014271 A

(19) INDIA

(22) Date of filing of Application :31/03/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : RADIO COMMUNICATION SYSTEM, BASE STATION APPARATUS, AND RADIO TERMINAL

(51) International classification :H04W 72/04
(31) Priority Document No :2013-227472
(32) Priority Date :31/10/2013
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2014/002465
Filing Date :09/05/2014
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201617012700
Filed on :09/05/2014

(71)Name of Applicant :
1)NEC CORPORATION
Address of Applicant :7-1, Shiba 5-chome, Minato-ku, Tokyo
1088001, Japan Japan
(72)Name of Inventor :
1)FUTAKI, Hisashi

(57) Abstract :

ABSTRACT RADIO COMMUNICATION SYSTEM, BASE STATION APPARATUS, AND RADIO TERMINAL A radio communication system includes a radio access network (1) and a radio terminal (2). The radio access network (1) includes a first base station (11) that manages a first cell (110) and a second base station (12) that manages a second cell (120). The radio terminal (2) supports dual connectivity involving a bearer split in which a network bearer between the radio terminal (2) and a core network (3) is split over the first base station (11) and the second base station (12). The radio access network (1) is configured to transmit, to the radio terminal (2), first control information that relates to an access stratum and is necessary for the dual connectivity involving the bearer split. It is thus possible to provide, for example, a control procedure or signalling necessary for starting dual connectivity involving a bearer split. REFER TO FIGURE 2

No. of Pages : 46 No. of Claims : 12

(54) Title of the invention : USER INTERFACE FOR PAYMENTS

(51) International classification :G06Q 20/40, G06Q 20/42, G06Q 20/36, G06Q 20/32

(31) Priority Document No :62/004,886

(32) Priority Date :29/05/2014

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2015/033326

Filing Date :29/05/2015

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :201617039493

Filed on :18/11/2016

(71)Name of Applicant :

1)APPLE INC.

Address of Applicant :One Apple Park Way, Cupertino, California 95014, United States of America U.S.A.

(72)Name of Inventor :

1)VAN OS, Marcel

2)DICKER, George, R.

3)STEELE, Glen, W.

4)YANG, Lawrence, Y.

5)CARO, Pablo, F.

6)PITSCHER, Donald, W.

7)AHN, Charles

8)TUCKER, Brian

9)YERKES, Giancarlo

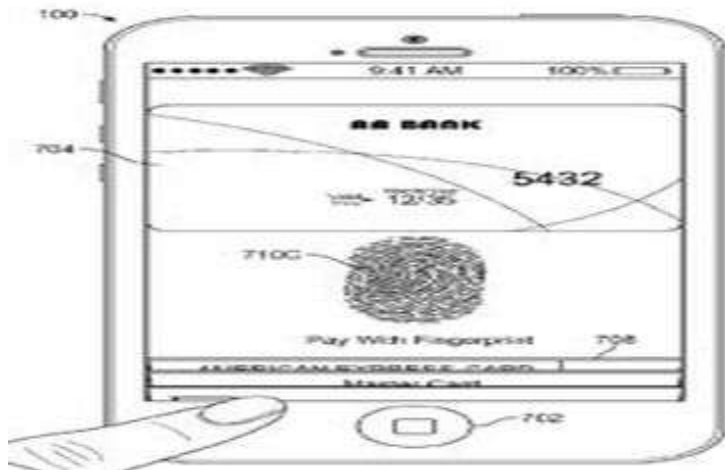
10)FEDERIGHI, Craig, M.

11)ADAMS, Christopher, D.

12)LEE, Woo-ram

13)DIEDERICH, Anton, K.

(57) Abstract :
AS ATTACHED



No. of Pages : 269 No. of Claims : 181

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018662 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CARTRIDGE RECEIVER, CARTRIDGE SYSTEM, DRINK PREPARATION MACHINE AND METHOD FOR PRODUCING A DRINK

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050567
Filing Date :12/01/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817027229
Filed on :20/07/2018

(71)Name of Applicant :
1)FREEZIO AG
Address of Applicant :Fehlwiesstrasse 14 8580 Amriswil (CH)
Switzerland
(72)Name of Inventor :
1)KRGER, Marc
2)EMPL, G'unter
3)FISCHER, Daniel

(57) Abstract :

ABSTRACT CARTRIDGE RECEIVER, CARTRIDGE SYSTEM, DRINK PREPARATION MACHINE AND METHOD FOR PRODUCING A DRINK The invention relates to a cartridge system (1) for producing a drink in a drink preparation machine, comprising a cartridge (2) that has a reservoir (6) filled with a drink substance (7), and a cartridge receiver (10) that can be reversibly connected to the cartridge, said cartridge receiver (10) comprising a mixing chamber (8) and a cartridge discharge device (34) which causes at least partial transfer of the drink substance (7) from the reservoir (6) into the mixing chamber (8), and said cartridge receiver (10) comprising a fluid supply (12) which opens into the mixing chamber (8). The invention also relates to the cartridge receiver (10) of the cartridge system (1), the drink preparation machine, and the corresponding method for producing a drink (70).

No. of Pages : 32 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018699 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : NEBULIZER, INDICATOR DEVICE AND CONTAINER •

(51) International classification	:A61M 15/00, A61M 11/00, G06M 1/02, B05B 11/00	(71)Name of Applicant : 1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH Address of Applicant :Binger Strasse 173, 55216 Ingelheim am Rhein, Germany, Germany
(31) Priority Document No	:14001603.1	(72)Name of Inventor :
(32) Priority Date	:07/05/2014	1)EICHER, Joachim
(33) Name of priority country	:EUROPEAN UNION	2)GATZ, Josef
(86) International Application No	:PCT/EP2015/000903	3)HERRMANN, Frank
Filing Date	:04/05/2015	4)HOELZ, Hubert
(87) International Publication No	: NA	5)JUNG, Andree
(61) Patent of Addition to Application Number	:NA	6)MEISENHEIMER, Martin
Filing Date	:NA	7)MUELLER, Markus
(62) Divisional to Application Number	:201617032735	8)VON SCHUCKMANN, Alfred
Filed on	:26/09/2016	9)WACHTEL, Herbert
		10)WINKLER, Robert, Gerhard
		11)WUTTKE, Gilbert
		12)ZIEGLER, Jochen

(57) Abstract :

A nebulizer (1) as well as a container (3) with a fluid (2) and an indicator device (25) for such a nebulizer are proposed. The indicator device stops further use of the container in a locked state when a predetermined number of uses has been reached or exceeded. Then, the nebulizer is partially opened and blocked against further use. After replacement of the container including the indicator device, the nebulizer can be used again. (FR) La presente invention concerne un nbuliseur, ainsi qu'un rcipient comprenant un fluide et un dispositif indicateur pour ledit nbuliseur. Le dispositif indicateur bloque l'utilisation du rcipient dans un tat verrouill lorsqu'un nombre prdfini d'utilisations a t atteint ou dpass. Le nbuliseur est ensuite partiellement ouvert et bloqu pour emp^acher toute utilisation ultrieure. Apr's le remplacement du rcipient comprenant le dispositif indicateur, le nbuliseur peut ^atre de nouveau utilis.

No. of Pages : 64 No. of Claims : 29

(54) Title of the invention : PALLET AND CONTAINER KIT

(51) International classification	:B65D 19/06, B65D 19/00, B65D 19/02, B65D 19/12, B65D 19/16
(31) Priority Document No	:62/323,486
(32) Priority Date	:15/04/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2017/027903
Filing Date	:17/04/2017
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:201817039059
Filed on	:15/10/2018

(71)Name of Applicant :
1)GREEN OX PALLET TECHNOLOGY, LLC
 Address of Applicant :15334 EAST HINSDALE CIRCLE,
 UNIT 1-E, CENTENNIAL, Colorado 80112, USA U.S.A.

(72)Name of Inventor :
1)HERBECK, Joshua Daniel
2)VAN DE MARK, Gregory D.

(57) Abstract :

Disclosed herein is a packaging kit. The kit includes a pallet having a top support surface and fork lift apertures. The kit also includes a base having an enclosed volume sized so the pallet fits within the enclosure volume. The kit also includes side walls each being smaller in area than the top support surface of the pallet. The kit includes a plurality of joint supports with each of the plurality of joint supports configured to couple at least two side walls together providing support across the joints between the side walls. A coupler is provided that is configured to attach the base to the pallet. A cap is provided that is configured to slide down over top of the base substantially enclosing the enclosed volume between the base and the cap. The pallet, side walls, joint supports, and coupler fit within the enclosed volume. The invention relates to a packaging kit. The kit includes a pallet having an upper support surface and forklift pockets. The kit also includes a base having an enclosed space sized such that the pallet will fit inside the enclosed space. The kit also includes sidewalls each of which has a surface lower than the upper support surface of the pallet. The kit includes a plurality of link brackets, each of the plurality of link brackets being adapted to couple at least two sidewalls together, providing support through the links between the sidewalls. A coupler is described, said coupler being designed to secure the base to the pallet. A cap is described, said cap being adapted to slide down over the top of the base, substantially enclosing the enclosed space between the base and the cap. The pallet, side walls, link brackets and coupler fit inside the enclosed space. The packaging kit is also expandable to be assembled as a packaging system with a container positioned on the pallet.

No. of Pages : 90 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018713 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CARTRIDGE RECEIVER, CARTRIDGE SYSTEM, DRINK PREPARATION MACHINE AND METHOD FOR PRODUCING A DRINK

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050567
Filing Date :12/01/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817027229
Filed on :20/07/2018

(71)Name of Applicant :
1)FREEZIO AG
Address of Applicant :Fehlweisstrasse 14 8580 Amriswil (CH)
Switzerland
(72)Name of Inventor :
1)KRGER, Marc
2)EMPL, G'unter
3)FISCHER, Daniel

(57) Abstract :

The invention relates to a cartridge system (1) for producing a drink in a drink preparation machine comprising a cartridge (2) that has a reservoir (6) filled with a drink substance (7) and a cartridge receiver (10) that can be reversibly connected to the cartridge said cartridge receiver (10) comprising a mixing chamber (8) and a cartridge discharge device (34) which causes at least partial transfer of the drink substance (7) from the reservoir (6) into the mixing chamber (8) and said cartridge receiver (10) comprising a fluid supply (12) which opens into the mixing chamber (8). The invention also relates to the cartridge receiver (10) of the cartridge system (1) the drink preparation machine and the corresponding method for producing a drink (70).

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018715 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : CARTRIDGE RECEIVER, CARTRIDGE SYSTEM, DRINK PREPARATION MACHINE AND METHOD FOR PRODUCING A DRINK

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050567
Filing Date :12/01/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817027229
Filed on :20/07/2018

(71)Name of Applicant :

1)FREEZIO AG

Address of Applicant :Fehlweisstrasse 14 8580 Amriswil (CH)
Switzerland

(72)Name of Inventor :

1)KRGER, Marc

2)EMPL, G¼nter

3)FISCHER, Daniel

(57) Abstract :

Es wird ein Kartuschensystem (1) zur Herstellung eines Getrnks in einer Getrnkezubereitungsmaschine vorgeschlagen, aufweisend eine Kartusche (2), die ein mit einer Getrnkesubstanz (7) gef¼lltes Kartelist Kartel (6) reverse kartnahme Reservoir (6) wobei die Kartuschaufnahme (10) eine Mischkammer (8) aufweist und eine Kartuschenentladeeinrichtung (34), welche ein zumindest teilweises berfl¼hren der Getrnkesubstanz (7) aufweist und eine Kartuschenentladeeinrichtung (34), welche ein zumindest teilweises berfl¼hren der Getrnkesubstanz (7) vomoir (6) in die Mischkammiraunaukartus (8) vomoir (6) in die Mischkammiraunauktobe Reservoir (6) in die Mischkammiraunaukartus (8) vomoir (12) aufweist, die in die Mischkammer (8) m¼ndet. Ferner wird die Kartuschaufnahme (10) des Kartuschensystems (1), die Getrnkezubereitungsmaschine sowie das entsprechende Verfahren zur Herstellung eines Getrnks (70) vorgeschlagen.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018790 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DISPENSER HAVING A CARTRIDGE HOLDER

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050561
Filing Date :12/01/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817030090
Filed on :10/08/2018

(71)Name of Applicant :

1)FREEZIO AG

Address of Applicant :Fehlwiesstrasse 14 8580 Amriswil (CH)
Switzerland

(72)Name of Inventor :

1)KRGER, Marc

2)EMPL, G/4nter

3)FISCHER, Daniel

(57) Abstract :

Die Erfindung betrifft einen Dispenser mit einer Kartuschenhalterung.

No. of Pages : 37 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018883 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DISPENSER HAVING A CARTRIDGE HOLDER

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050561
Filing Date :12/01/2018
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817030090
Filed on :10/08/2018

(71)Name of Applicant :

1)FREEZIO AG

Address of Applicant :Fehlwiesstrasse 14 8580 Amriswil (CH)
Switzerland

(72)Name of Inventor :

1)KRGER, Marc

2)EMPL, G/nter

3)FISCHER, Daniel

(57) Abstract :

Die Erfindung betrifft einen Dispenser mit einer Kartuschenhalterung. (EN) The invention relates to a dispenser having a cartridge holder. (FR) La presente invention concerne un distributeur support de cartouche.

No. of Pages : 37 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018899 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : TOLEROGENIC SYNTHETIC NANOCARRIERS TO REDUCE IMMUNE RESPONSES TO THERAPEUTIC PROTEINS

(51) International classification :A61K 31/445, A61K 39/38, A61K 39/395, A61K 9/16, A61K 9/14
(31) Priority Document No :61/480,946
(32) Priority Date :29/04/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/035366
Filing Date :27/04/2012
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9744/DELNP/2013
Filed on :12/11/2013

(71)Name of Applicant :

1)SELECTA BIOSCIENCES, INC.

Address of Applicant :480 Arsenal Street, Building One, Watertown, Massachusetts 02472, UNITED STATES OF AMERICA U.S.A.

(72)Name of Inventor :

1)FRASER, CHRISTOPHER

2)KISHIMOTO, TAKASHI KEI

3)MALDONADO, ROBERTO A.

(57) Abstract :

Disclosed are synthetic nanocarrier compositions, and related methods, comprising therapeutic protein APC presentable antigens and immunosuppressants that provide tolerogenic immune responses specific to therapeutic proteins.

No. of Pages : 108 No. of Claims : 34

(54) Title of the invention : SYSTEM AND METHOD FOR SEPARATING FLUIDS AND CREATING MAGNETIC FIELDS •

(51) International classification	:B01D 53/02, B01D 17/038
(31) Priority Document No	:61/376,438
(32) Priority Date	:24/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2011/048901
Filing Date	:24/08/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:2607/DELNP/2013
Filed on	:22/03/2013

(71)**Name of Applicant :**
1)QWTIP LLC
 Address of Applicant :223 North Guadalupe Street #462,
 Santa Fe, New Mexico 87501, United States of America U.S.A.

(72)**Name of Inventor :**
1)IRVIN, SR., Whitaker, Ben

(57) Abstract :
 ABSTRACT SYSTEM AND METHOD FOR SEPARATING FLUIDS AND CREATING MAGNETIC FIELDS • A system and method in at least one embodiment for separating fluids including liquids and gases into subcomponents by passing the fluid through a vortex chamber into an expansion chamber and then through at least a portion of a waveform pattern present between at least two rotors and/or disks. In further embodiments, a system and method is offered for harnessing fields created by a system having rotating rotors and/or disks having waveform patterns on at least one side to produce current within a plurality of coils. In at least one embodiment, the waveform patterns include a plurality of hyperbolic waveforms axially aligned around a horizontal center of the system. Figure 1

No. of Pages : 52 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018018951 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : DISPENSER HAVING A CARTRIDGE HOLDER

(51) International classification :B67D 1/08
(31) Priority Document No :10 2016 200 254.6
(32) Priority Date :12/01/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/050561
Filing Date :12/01/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :201817030090
Filed on :10/08/2018

(71)**Name of Applicant :**
1)FREEZIO AG
Address of Applicant :Fehlwiesstrasse 14 8580 Amriswil (CH)
Switzerland
(72)**Name of Inventor :**
1)KRGER, Marc
2)EMPL, G/nter
3)FISCHER, Daniel

(57) Abstract :

Die Erfindung betrifft einen Dispenser mit einer Kartuschenhalterung. (EN) The invention relates to a dispenser having a cartridge holder. (FR) La presente invention concerne un distributeur support de cartouche.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018019002 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : METHODS FOR THE PREPARATION OF OBETICHOLIC ACID AND DERIVATIVES THEREOF

(51) International classification	:A61K 31/575, C07J 9/00, C07J 31/00	(71)Name of Applicant : 1)INTERCEPT PHARMACEUTICALS, INC. Address of Applicant :10 Hudson Yards, 37th Floor, New York, New York 10001, United States of America U.S.A.
(31) Priority Document No	:62/252,077	
(32) Priority Date	:06/11/2015	
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2016/059440	1)GALVIN, Gabriel M.
Filing Date	:28/10/2016	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:201817020142	
Filed on	:29/05/2018	

(57) Abstract :

The present application relates to a method of preparing a bile acid derivative, or a pharmaceutical acceptable salt, solvate, or amino acid conjugate thereof, comprising direct alkylation at the C-6 position of KLCA. (FR) The present invention relates to a method of preparing a bile acid derivative, or a pharmaceutically acceptable salt, solvate or amino acid conjugate thereof, which method comprises direct alkylation at the C-6 position of KLCA.

No. of Pages : 49 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202018019004 A

(19) INDIA

(22) Date of filing of Application :04/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : PROCESS CONTROL SYSTEMS AND METHODS FOR USE WITH FILTERS AND FILTRATION PROCESSES

(51) International classification	:B01D 61/14, B01D 61/18, B01D 61/22, C07K 1/34
(31) Priority Document No	:61/992,595
(32) Priority Date	:13/05/2014
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2015/030599 :13/05/2015
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:201617041890 :07/12/2016

(71)Name of Applicant :

1)AMGEN INC.

Address of Applicant :One Amgen Center Drive Thousand Oaks, California 91320-1799, United States of America U.S.A.

(72)Name of Inventor :

1)GEFROH, Eva

2)SCHWEICKART, Randolph, W.

3)PETTY, Krista

4)FRANK, Gregory

5)SALSTROM TERPSMA, Christine

6)HEWIG, Arthur, C., III

7)SCHULTZ, Joseph, Edward

(57) Abstract :

Systems and methods used to control tangential flow filtration are provided, including control systems and methods for use with connected systems with upstream processing units, such as chromatography processing units, in fluid communication with a tangential flow filtration processing unit. Also included are control systems and methods for performing continuous concentration using single-pass tangential flow filtration with permeate flow control.

No. of Pages : 72 No. of Claims : 25

(54) Title of the invention : METHODS OF PREPARING A CATALYST

(51) International classification	:C08F 10/02, C08F 4/24, C08F 4/02	(71)Name of Applicant :
(31) Priority Document No	:14/699,533	1)CHEVRON PHILLIPS CHEMICAL COMPANY LP
(32) Priority Date	:29/04/2015	Address of Applicant :10001 Six Pines Drive The Woodlands, Texas 77380, United States of America U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2016/029327	1)PRAETORIUS, Jeremy M.
Filing Date	:26/04/2016	2)SCHWERDTFEGER, Eric D
(87) International Publication No	: NA	3)MCDANIEL, Max P
(61) Patent of Addition to Application Number	:NA	4)CYMBALUK, Ted H.
Filing Date	:NA	5)BOXELL, Conner D
(62) Divisional to Application Number	:201717038531	6)CLEAR, Kathy S
Filed on	:30/10/2017	7)SOLENERGER, Alan L

(57) Abstract :

A method comprising a) calcining a silica support at temperature in the range of from about 100 °C to about 500 °C to form a precalcined silica support; b) contacting the precalcined silica support with a titanium alkoxide to form a titanated support; c) subsequent to b), contacting the titanated support with a polyol to form a polyol associated titanated support (PATS); d) contacting at least one of the silica support, pre-calcined silica support, the titanated support, the PATS, or combinations thereof with a chromium-containing compound to form a polymerization catalyst precursor; e) drying the polymerization catalyst precursor to form a dried polymerization catalyst precursor; and f) calcining the dried polymerization catalyst precursor to produce a polymerization catalyst, wherein less than about 0.1 wt.% of a highly reactive volatile organic compound (HRVOC) is emitted during the calcining of the dried polymerization catalyst precursor.

No. of Pages : 33 No. of Claims : 20

CONTINUED TO PART- 2