(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(51) International classification

(86) International Application No Filing Date
(87) International Publication No
(61) Patent of Addition to Application

Filing Date
(62) Divisional to Application Number
Filing Date

(22) Date of filing of Application :21/11/2022

(21) Application No.202241066670 A

(43) Publication Date: 02/12/2022

(54) Title of the invention: SMART SECURITY DEVICE FOR WOMEN SAFETY USING IOT

:G08B0025010000, A61M0005172000, G08B0013080000, G08B0027000000,

Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408. TAMIL NADU. INDIA. --------

NAMAKKAL — 637408. TAMI
2)MR.S.VIJAY MURUGAN
3)DR.R. MOHANA PRIYA
4)MR.S.VIJAYAKUMAR
5)DR.L.PUNITHA
6)MR.S.LOGANATHAN
7)ANBARASAN G
8)ARAVIND T
9)GOKULAKANNAN RS
10)ASISHWARYA K
11)ANU VARSHITHA M
12)KRISHNAVENI M

11)ANU VARSHITHA M 12)KRISHNAVENI M 13)ATHEEQ UR RAHMAN F 14)BHARATHIRAJA R 15)LINGESHWARAN J Name of Applicant: NA Address of Applicant: NA (72)Name of Inventor:

1)DR. M. SUDHA

Address of Applicant PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408, TAMIL NADU, INDIA.

2)MR S VIJAV MURUGAN

SIDRL.PUNITHA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS
ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL,
NAMAKKAL — 637408. TAMIL NADU, INDIA.

6)MR.S.LOGANATHAN

NADU, INDIA

9)GOKULAKANNAN RS

NADII INDIA 11)ANU VARSHITHA M

II)ANO VARSHITIA III Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408. TAMIL

NADU, INDIA

12)KRISHNAVENI M Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408. TAMIL

NADU, INDIA. -----13)ATHEEQ UR RAHMAN F

Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408. TAMIL

NADU. INDIA

INDIA.INDIA. ITSILINGESHWARAN I ISILINGESHWARAN I ISILINGESHWARAN I Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL — 637408. TAMIL NADU, INDIA.

(3/) Abstract: ABSTRACT SMART SECURITY DEVICE FOR WOMEN SAFETY USING IOT In current world, women's are not safe at many places with so much advancement in technology. Women harassment is increasing day-to- day with the increasing population. In Bangladesh, nearly 13 rapes occurs in every day. The WHO states that Bangladesh is one of the world's listed unsafe country for women. With rapid advancement in technology, we are trying to give a solution for this problem. We have designed a smart security device which acts like a self-defense mechanism for women in an emergency situation. The pulse - rate sensor and temperature sensor is used to detect possible atrocity automatically when women is in unsafe. The location of the person in real time is obtained by GSM module and it sends to the registered contact mobile numbers and to the nearby police station. And the system also gets activated by pressing the button.

No. of Pages: 11 No. of Claims: 2