(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/06/2022

(21) Application No.202241034141 A
(43) Publication Date : 22/07/2022

(54) Title of the invention : AUTOMATIC ROAD REFLECTOR MANAGEMENT SYSTEM

| | |
|---|---|
| (51) International classification | :H02J0007350000, A61B0005000000, B32B0027080000, G08B0005360000, E01F0009619000 |
| (86) International Application No<br>Filing Date | :PCT//<br>:01/01/1900 |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number<br>Filing Date | :NA<br>:NA |
| (62) Divisional to Application Number<br>Filing Date | :NA<br>:NA |

(71)**Name of Applicant :**
**1)Kaviyaraj R**
Address of Applicant :5/249, RMK Nagar, 3rd Street, New Dharapuram Road, Palani. ---------- ----------
**2)Dr.D.Boopathi,**
**3)Dr.K.Jagatheesan,**
**4)Mr.V.Kumarakrishnan,**
**5)Dr.G.Balaji**
**6)Dr.S.Rathinavel**
**Name of Applicant : NA**
**Address of Applicant : NA**
(72)**Name of Inventor :**
**1)Dr.D.Boopathi,**
Address of Applicant :AP/EEE/ Paavai Engineering College ---------- ----------
**2)Dr.K.Jagatheesan,**
Address of Applicant :ASP/EEE/ Paavai Engineering College ---------- ----------
**3)Mr.V.Kumarakrishnan,**
Address of Applicant :AP/EEE/ Paavai Engineering College ---------- ----------
**4)Dr.G.Balaji**
Address of Applicant :Prof & Head/ Paavai Engineering College ---------- ----------
**5)Dr.S.Rathinavel**
Address of Applicant :AP/EEE/ Paavai Engineering College ---------- ----------
**6)A.Aarthy**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**7)E.Vishnuvarthini**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**8)M.Yashica**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**9)M. Balamurugan**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**10)G. Idhayakaran**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**11)B. Mughilvendhan**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**12)K.Akash**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**13)S.Dinesh kumar**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------
**14)P.Agathiyan**
Address of Applicant :Student/EEE/ Paavai Engineering College ---------- ----------

(57) Abstract :
This project proposed to prevent the road accident during night time through solar based road reflector. The drivers are unable to manage the road during night time because of bad lighting and overturn in hill roads. The road reflectors and direction signs are interconnected in roads. The reflectors and signs are interconnected in the roads. The reflectors and signs are working based on solar energy source. It stores the energy during daytime in the battery through solar cell and stored energy is utilized to active the reflectors in night time. When object enters into the proposed area. The sensor will activate the interconnected road reflectors for a particular time. After certain time, it will turn off automatically.

No. of Pages : 5 No. of Claims : 4