

(54) Title of the invention : SMART SOLAR STREET LIGHT SYSTEM

(51) International classification :F21S 080800, F21S 090300, F21W 311030, F21Y 151000, G08G 010800

(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)V R Lenin

Address of Applicant :2/191 - Ganapathi Nagar, Karumanur Post, Mallasamudram Via, Tiruchengode T K, -----

2)Paavai Engineering College**3)S.Mohanraaj****4)Dr.G.Balaji****5)Dr.S.Ramachandran****6)V.Kumarakrishanan****7)T.Sathish Kumar****8)S.Muruga permual****9)R.Dharneshkumar****10)S.Madeshwaran****11)S.Saileshwaran****12)K.Dhinesh**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Paavai Engineering College

Address of Applicant :Paavai Engineering College,Namakkal. Namakkal -----

2)S.Mohanraaj

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

3)Dr.G.Balaji

Address of Applicant :HoD/EEE, Paavai Engineering College,Namakkal. Namakkal -----

4)Dr.S.Ramachandran

Address of Applicant :Assiatant professor/EEE, Paavai Engineering College,Namakkal. Namakkal -----

5)V.Kumarakrishanan

Address of Applicant :Assiatant professor/EEE, Paavai Engineering College,Namakkal. Namakkal -----

6)T.Sathish Kumar

Address of Applicant :PG Scholar/Power Systems Engineering, Paavai Engineering College,Namakkal. Namakkal -----

7)S.Muruga permual

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

8)R.Dharneshkumar

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

9)S.Madeshwaran

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

10)S.Saileshwaran

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

11)K.Dhinesh

Address of Applicant :UG Student/EEE, Paavai Engineering College,Namakkal. Namakkal -----

(57) Abstract :

This project is based on the concept of maximizing utilization and minimizing energy loss. The abundant solar energy available during the day is stored in a solar cell and used to power the street lights throughout the night. SMS alerts for lighting on/off, dust detection, and battery level indication. Furthermore, by changing the automation method, the system offers a power-saving mode of operation. A dark sensor and a light sensor provide automatic ON/OFF functionality to street lights, allowing them to glow when needed (i.e. when the surrounding environment is dark) and be turned OFF automatically if sufficient light is available. A vibration sensor, also known as a vibration detector, measures vibration levels in machinery for screening and analysis.

No. of Pages : 11 No. of Claims : 1