(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(51) International classification

(86) International Application No

Filing Date (87) International Publication No

Filing Date

Filing Date

(61) Patent of Addition to Application

(62) Divisional to Application Number

(22) Date of filing of Application:01/05/2023

(21) Application No.202341030933 A

(43) Publication Date: 16/06/2023

(54) Title of the invention: WIRELESS AND SOLAR POWER CHARGING FOR E-VEHICLES WITH IOT

B60L 080000, H02J 070000, H02J 073500, H02J 500000, H02J

50 1000

PUT//

:NA NA

:NA

:01/01/1900 NA

DPA AVAI ENGINEERING COLLEGE (AUTONOMOUS)

Address of Applicant : PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI

NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA, Namakkal 20Dr. M. SUDHA 3)Mrs. C.VANAJA

4Dr. T.LOGANAYAGI 5Dr. N.ANGAYARKANNI

Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor:

DDr. M. SUDHA

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

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

3Dr. T.LOGANAYAGI

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

4Dr. NANGAYARKANNI

SARAVIND R

Address of Applicant: STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVALENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVALNAGAR, PAACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. Namakkal 6)GOPI S

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

7)MOHAMMED SAMEER 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. Namakkal --------

SILAVANYA 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. Namakkal -9)LAVANYA P

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

10/LAVANYA R

Address of Applicant STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAL ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAL NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. Namakkal -

11)HEMAPRIYA K.S

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

12)KAMALIS

Address of Applicant STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAL ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVALNAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. Namakkal

13) G OPI S Address of Applicant STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAL ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAL NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. Namakkal -

14)HARISANJAY A
Address of Applicant STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

(57) Abstract

Wireless and solar power charging for e-vehicles with IOT is the proposed invention. The proposed invention is back and boost converter-based system to get a higher efficiency of the battery and for charging application. We are designed microcontroller-based charging system and it powered up with solar power get more power for battery. Arduino microcontroller-based system is used for controlling a charging a unit of battery using PWM

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