(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2022

(21) Application No.202211055119 A

(43) Publication Date: 14/10/2022

## (54) Title of the invention: ANALYSING THE SYNERGIC EFFECTS OF UNIDIRECTIONAL AND BIDIRECTIONAL SMART CHARGING POINTS OF ELECTRIC VEHICLES

:H02J0007000000, B60L0053220000, B60L0055000000, (51) International classification H02M0001420000, H02J0009060000 (86) International Application :NA :NA Filing Date (87) International Publication : NA (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)ANAND GOSWAMI

Address of Applicant :RESEARCH SCHOLAR, JAYOTI VIDYAPEETH WOMEN'S

UNIVERSITY, JAIPUR, RAJASTHAN JAIPUR --

2)Dr.RAHUL ASHOKRAO BURANGE

3)Dr SHAMALA N

4)BABY NAZ

5)Dr.G.PARTHASARATHY

6)PANKAJ RAMTEKKAR

7)MOHD ESA

8)M V RAMANA RAO

9)Dr JYOTI PRASAD PATRA

10)RITU SHARMA

11)Dr.J.KARTIGEYAN

12)RASHI GOSWAMI

Name of Applicant : NA Address of Applicant : NA

(72)Name of Inventor: 1)ANAND GOSWAMI

Address of Applicant :RESEARCH SCHOLAR, JAYOTI VIDYAPEETH WOMEN'S

UNIVERSITY, JAIPUR, RAJASTHAN JAIPUR --

2)Dr.RAHUL ASHOKRAO BURANGE

Address of Applicant : ASST.PROF , DEPARTMENT OF ELECTRONICS & TELCOMM KDK COLLEGE OF ENGINEERING, NAGPUR NAGPUR

3)Dr SHAMALA N

Address of Applicant :PROFESSOR, ELECTRICAL AND ELECTRONICS ENGINEERING VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY MYSORE 570011

MYSORE

4)BABY NAZ

Address of Applicant :POSTGRADUATE STUDENT, DEPARTMENT OF PHYSICS,

MAHARAJ SINGH COLLEGE SAHARANPUR SAHARANPUR -

5)Dr.G.PARTHASARATHY

Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF ECS, KG COLLEGE OF ARTS AND SCIENCE, KGISL CAMPUS, THUDIYALUR ROAD,

SARAVANAMPATTI, COIMBATORE - 641035 COIMBATORE -

6)PANKAJ RAMTEKKAR

Address of Applicant :ASSISTANT PROFESSOR, ELECTRICAL ENGINEERING, G H RAISONI COLLEGE OF ENGINEERING NAGPUR 440016 NAGPUR ---

7)MOHD ESA

Address of Applicant :ASSOCIATE MEMBER AND CHARTERED ENGINEER, ELECTRICAL ENGINEERING DIVISION, THE INSTITUTION OF ENGINEERS (INDIA)

- TELANGANA STATE CENTRE, HYDERABAD, 500004 HYDERABAD ----

8)M V RAMANA RAO

Address of Applicant :ASSOCIATE PROFESSOR, ELECTRICAL DEPARTMENT, COLLEGE OF ENGINEERING, OSMANIA UNIVERSITY, HYDERABAD. 500007

HYDERABAD

9)Dr JYOTI PRASAD PATRA Address of Applicant :ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH

OUTR MAHALAXMI VIHAR GHATIKIA TECHNO CAMPUS BHUBANESWAR 751001 BHUBANESWAR -10)RITU SHARMA

Address of Applicant :AP/ EEE GGITS JABALPUR 482003 JABALPUR -----11)Dr.J.KARTIGEYAN

Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, J.B.INSTITUTE OF ENGINEERING AND

TECHNOLOGY, HYDERABAD, TELANGANA, INDIA – 500 075 HYDERABAD -----

12)RASHI GOSWAMI

Address of Applicant :ASSISTANT PROFESSOR, GYAN GANGA INSTITUTE OF

TECHNOLOGY AND SCIENCES JABALPUR ---

Analysing the Synergic Effects of Unidirectional and Bidirectional Smart Charging Points of Electric Vehicles is the proposed invention. The invention aims at analysing the synergetic effects of unidirectional and bidirectional charging points. The proposed invention focuses on improving the efficiency of battery of smart charging points of electric vehicle.

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