Patent Search

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Inventor

Name	Address	Country
Ms. K. Swetha	Assistant Professor, Department of Electrical & Electronics Engineering, SRKR Engineering College, Chinna Amiram, Bhimavaram, Andhra Pradesh, India, Pincode: 534204	India
Dr. Gopikrishna Pasam	Senior Lecturer, Engineering Department, University of Technology and Applied Sciences-IBRA, IBRA, Oman, Pincode: 400	India
Dr. Pankaj Kumar Singh	Campus Director, DSEU Wazirpur-I Campus, New Delhi, India, Pincode:110052	India
Dr. Jaghannath K	Associate Professor, Department of EEE, SVS Group of Institutions, Bheemaram, Hanamkonda, Telangana, India, Pincode: 506015	India
Dr. Y. Santhosh Kumar	Associate Professor, Department of Electrical and Electronics Engineering, Navodaya Institute of Technology, Raichur, Karnataka, India, Pincode: 584103	India
Dr. P. Ramadevi	Assistant Professor, Department of ECE, Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India, Pincode: 500043	India
Dr. Anuradha. T	Professor, Department of Electrical and Electronics Engineering, KCG College of Technology, Chennai, Tamilnadu, India, Pincode: 600097	India
Ms. Pranoti D. Vaidya	Assistant Professor, Department of Electrical Engineering, Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune, Maharashtra, India, Pincode: 411052	India
Dr. J. Frank Vijay	Professor & Head, Department of IT, KCG College of Technology, KCG Nagar, Karapakkam, Chennai, Tamilnadu, India, Pincode: 600097	India
Mr. Sumit Kumar Maitra	Assistant Professor, Electrical Engineering Department, Northern Institute of Engineering Technical Campus, Alwar, Rajasthan, India, Pincode: 301001	India

Applicant

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Ms. K. Swetha	Assistant Professor, Department of Electrical & Electronics Engineering, SRKR Engineering College, Chinna Amiram, Bhimavaram, Andhra Pradesh, India, Pincode: 534204	India
Dr. Gopikrishna Pasam	Senior Lecturer, Engineering Department, University of Technology and Applied Sciences-IBRA, IBRA, Oman, Pincode: 400	Oman
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Dr. J. Frank Vijay	Professor & Head, Department of IT, KCG College of Technology, KCG Nagar, Karapakkam, Chennai, Tamilnadu, India, Pincode: 600097	India
Mr. Sumit Kumar Maitra	Assistant Professor, Electrical Engineering Department, Northern Institute of Engineering Technical Campus, Alwar, Rajasthan, India, Pincode: 301001	India

Abstract:

Receiving a vehicle charging request from a second vehicle while a first vehicle already exists in a charging queue and is being charged is one example of a step that c included in a method for reinforcement learning-based vehicle charging. In response to the vehicle charging request from the second vehicle, determining a charging the second vehicle and determining a designated position for the second vehicle in the charging queue can be done based on both a charging learning model genera the behavior of the first vehicle in the charging

Complete Specification

Description:The proposed invention related to Electrical vehicle charging station.
Background of the Invention:
A vehicle that gets its propulsion from one or more electric motors that are each driven by a separate high-voltage battery is referred to as an electric vehicle (EV). T high voltage batteries that are installed in electric cars (EVs) are charged using equipment that is located outside of the vehicle. Electric vehicles may be charged usi private or public EV chargers.
Chargers for electric vehicles that are considered to be public are utilized by a number of people whose identities are not disclosed. When there are accessible EV ch electric vehicles that need to be charged may have their batteries replenished. When all of the electric vehicle (EV) chargers that are connected to the power supply equipment are in use or when an EV is being charged from an EV charger at the maximum power rate that can be delivered from the power supply equipment, othe are required to wait until the current charging process is finished before they can begin their own charging process.
In order to find a solution to this issue, several strategies for controlling or scheduling electric vehicle charging services have been developed.
The technique and system for charging electric vehicles that is the subject of the present invention are ones that are based on reinforcement learning. To be more s the present invention relates to a method and system for charging an electric vehicle (EV), said method and system being able to suggest a charging rate and a char mode to a user based on a reinforcement learning-based EV charging service model. The invention also relates to an electric vehicle (EV) charging service model.
The provision of an electric vehicle charging system that is capable of automatically proposing an electric vehicle charging mode to a user by utilizing a vehicle charg service learning model that was created based on records of previous charging events related to the user is one of the goals of the present invention. Another goal

View Application Status

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