

【ABSTRACT】**LOCATION-BASED ELECTRIC POWER MEDIATION MODULE,
ELECTRIC VEHICLE, MEDIATION SERVER, AND USER CERTIFICATION
SOCKET OR CONNECTOR**

5

The present invention relates to a location-based charging/discharging power mediation system of an electric vehicle, and more particularly to a module, an electric vehicle, and an intermediate server for location-based charging/discharging power mediation. The present invention also relates to a user authentication socket or connector used in the power mediation system. A module for location-based power mediation comprises: a location and time identification unit that identifies a location and a time of an electric vehicle from one or more of information from a global navigation satellite system, Local Positioning System (LPS) information, and earth magnetic field information; a power measurement unit that monitors input/output power to/from the electric vehicle in real time; and a wireless communication unit that transmits location and time information of the electric vehicle and information on the input/output power to the outside. An electric vehicle power mediation subscriber charges/discharges a battery of the electric vehicle through a building of a power subscriber by inserting a plug of the electric vehicle into a socket of the building of the power subscriber. A location of the building and the power subscriber are identified by transmitting the location and time information of the electric vehicle.

30 **Figure 1**