

Title (en)

SYSTEM AND METHOD FOR TRANSFERRING ELECTRICAL POWER BETWEEN GRID AND VEHICLE

Title (de)

SYSTEM UND VERFAHREN ZUM TRANSFER VON ELEKTRISCHEM STROM ZWISCHEN NETZ UND FAHRZEUG

Title (fr)

SYSTÈME ET PROCÉDÉ POUR TRANSFÉRER DE L'ÉNERGIE ÉLECTRIQUE ENTRE RÉSEAU ÉLECTRIQUE ET VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2009014543A1] The present invention discloses a system for transferring electrical power between a grid and at least one vehicle. The vehicle can be Battery Electric Vehicle (BEV), Plug-in Hybrid Electric Vehicle (PHEV) or Fuel Cell Vehicle (FCV). The type of vehicle will be recognized and controlled by the system to support demand response and supply side energy management. Vehicle recognition can be carried out by load signature analysis, power factor measurement or RFID techniques. In an embodiment of the invention, the grid is a Smart Grid. The present invention also discloses a method for facilitating electrical power transfer between the grid and the vehicle.

IPC 8 full level

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