

Car transfer station energy storage system patent

A vehicle-to-vehicle power transfer system for use between a first vehicle and at least a second vehicle. The system includes an electric power system disposed in each of the first and second ...

Furthermore, using only the battery energy storage system to shift direct current electric vehicle charging can result in additional energy cost saving for the site host.

Example 4 As shown in Figure 5, the dispatching control system 70 can perform vehicle dispatching through different energy storage and release methods, and can realize all vehicles ...

A wireless power transfer system for a ground vehicle including an energy storage system, wherein the ground vehicle travels along a route on a ground surface, the wireless power ...

The charging station may be used to transfer power to any electric vehicle, hybrid electric vehicle, or any other vehicle that may include a propulsion power source, such as a battery,...

B60L53/10 Methods of charging batteries, specially adapted for electric vehicles; Charging stations or on-board charging equipment therefor; Exchange of energy storage elements in ...

This claims priority of U.S. Provisional Patent Application No. 63/052,197 filed Jul. 15, 2020 and hereby incorporated-by-reference herein. The present disclosure relates ...

In one exemplary embodiment, a charging system of a vehicle includes a charging device configured to transfer an electric charge between a battery system of the ...

the present disclosure relates to thermal energy storage and utilization systems. More particularly, the present disclosure relates to an energy storage system that stores electrical energy in form ...

The present disclosure relates generally to electric vehicle recharging stations, and specifically an electric vehicle recharging station operating in conjunction with a data center and optionally ...

Abstract: A flywheel energy storage system for a vehicle, comprising a first shaft, a second shaft operatively coupled to the first shaft and to the vehicle's drivetrain, a flywheel ...

The patent titled, "Self-Learning Control System for Plug-in Hybrid Vehicles" has the highest forward citation of 165 followed by the patent titled "Electric vehicle having multiple ...

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A system and method for providing extreme fast charging of electric vehicles that mimics the typical gas station experience while also supporting local grid energy ...

Abstract: A vehicle battery charge management system includes multiple vehicle components each configured to implement a different operational feature of a vehicle, a battery ...

An electric vehicle drive system that maximizes use of renewable energy sources without relying on charging infrastructure. The system leverages solar panels on the ...

This special issue encompasses a collection of eight scholarly articles that address various aspects of large-scale energy storage. The articles cover a range of topics ...

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