



Home energy equipment applies for patent for energy storage device

A timeline of key events for this patent application, including priority claims, publications, legal status, reassignments, and litigation. Google has not performed a legal analysis and makes...

The disclosed technology generally relates to energy storage devices, and more particularly to energy storage devices comprising frustules. According to an aspect, a supercapacitor ...

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The utility model discloses a kind of smart home energy management systems, wherein: being made of multiple intelligent sockets, intelligent integrated communication device, cloud server ...

The energy storage device (100) comprises at least one energy compartment (10) and at least one control compartment (20), wherein the energy compartment (10) ...

During these times, energy storage devices can swiftly release stored electricity to the grid, relieving strain on power plants and avoiding the need to activate additional, typically inefficient ...

The energy storage device according to the present invention has a great effect of suppressing an increase in resistance in a charge-discharge cycle while increasing the capacity of the energy ...

The present application is a continuation of International Application No. PCT/CN2022/142839, filed on Dec. 28, 2022, which claims priority of Chinese patent ...

Finally, the exoskeleton includes an energy storage subsystem that is configured to store and release energy as the user walks, particularly aiding the user in the forward motion of the leg ...

An energy storage device includes a charge storage assembly, an auxiliary storage element, and a charge control circuit. The charge storage assembly includes an array ...

Abstract: An energy storage device for safely storing and delivering energy includes a charge storage assembly that includes an array of high-power energy storage devices, a protective ...

Heat energy storage systems described herein can be used for long-term storage of large amounts of thermal energy. In some cases, such systems receive electrical energy from ...



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An energy storage device includes a plurality of plates, each having a first and second surface, with at least one of the surfaces having a plurality of grooves formed therein. The device further ...

Abstract The energy storage device (1) for storing energy comprises: a high temperature regenerator (120) containing a storage material and a working gas (A) as heat transfer medium ...

An electrochemical method and apparatus for high-amperage electrical energy storage features a high-temperature, all-liquid chemistry. The reaction products created during ...

CONSTITUTION: Each of a No.1 energy storage equipment 2 and a No.4 energy storage equipment 2 is located so that their respective flywheels 3, 3 are in series to approximately a ...

An energy storage system converts variable renewable electricity (VRE) to continuous heat at over 1000°C. Intermittent electrical energy heats a solid medium. Heat from ...

A home energy ecosystem (HEE) may include energy storage devices such as home energy storage (HES), an electric vehicle battery or the like. The stored electricity may ...

The present disclosure relates to energy storage devices having: a sealed container configured to house a plurality of energy storage devices and enable electrical communication via terminals ...

Accordingly, a challenge in thermal energy storage devices is the cost-effective delivery of thermal energy with heat content and at a temperature sufficient to meet a given application.

The Haisch et al. patent discusses the use of micro-electro-mechanical systems ("MEMS") for zero point energy extraction. In the electronics fields, such as in the manufacture of ...

Abstract Disclosed herein is a method for fabricating an ultracapacitor, the method comprising disposing an energy storage cell comprising energy storage media within a ...

A chargeable and dischargeable energy storage device is used in various equipment such as a mobile phone and an automobile. A vehicle which uses electric energy as a power source such ...

The present invention relates to a smart home energy management system, and more particularly, by detecting all energy used in a home and storing and analyzing energy data, the ...

PDF | On Dec 1, 2022, Shiqi Zhang and others published Overview of US patents for energy management of renewable energy systems with hydrogen | Find, read and cite all the research ...

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