



Energy battery patent technology breakdown table

EPO's first joint study with the International Energy Agency underlines the key role that battery innovation is playing in the clean energy transition.

Electric vehicle (EV) technology innovators are leading the race to find high performance battery materials. Here's a breakdown of current research and development efforts, and a look at how ...

In this study, PLA of recent advancements in the NM-based BESS was critically analyzed, future technologies forecasted, and potential challenges outlined. A search was performed in the ...

Energy Technology Patents Data Explorer. Explore data on clean energy and fossil fuel ...

The main findings are that patenting in batteries rises robustly and the lithium-ion battery is the most vibrant technology; lithium-sulfur and flow batteries are the most notable emerging ...

Batteries are perhaps the most prevalent and oldest forms of energy storage technology in human history. 4 Nonetheless, it was not until 1749 that the term "battery" was ...

Patent technology can reflect the current situation and process of the innovation and development of a technical field, which is an important information source for competitive intelligence. From ...

Shenzhen Energy Storage Technology Co., Ltd. to carry out a 20 MWh ICRFB energy storage project in Nanyang. On 28 February 2023, the first megawatt-level ICRFB energy storage system invested in and

The Influence of Advanced Battery Patents Funded by the U.S. Department of Energy's Vehicle Technologies Office and Other DOE Offices Report prepared for: U.S. Department of Energy ...

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The report also provides an extensive Excel database containing >40,900 patent families of the main patent assignees and related to the key battery technologies . - Patent assignees ...

Battery technologies play a crucial role in energy storage for a wide range of applications, including portable electronics, electric vehicles, and renewable energy systems.

This report analyses the worldwide patent landscape for energy and its storage. Energy and its storage

encompasses many different technologies, but the current report has concentrated on

The retrieval methods in the DII database were as follows: 1) retrieval strategy, using advanced retrieval mode, [TI = (spent battery* OR waste battery* OR retired battery*)]; ...

Li-ion Battery High-energy Silicon Anode Innovation & Patent Review Table of Contents ... Technology Decision Trees & Discussion 12 o Main Categories 12 o Nano-Si (Synthetic ...

This joint study by the International Energy Agency and European Patent Office underlines the key role that battery innovation is playing in the transition to clean energy technologies. It provides global data and ...

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