

Battery technology: patent filings and future development areas. 11 July 2024. Share. Toby Willis Associate, Patent Attorney ... Our analysis of this classification finds that ...

>2.4M patent documents are included in the b-science database that were published since 1980, which either contain the words "battery" or "batteries" in the title or ...

As the drive towards renewable energy use gains pace, there has been an increase in global patent filings relating to battery technology. While lithium-ion batteries ...

This study provides a comprehensive analysis of global patent trends in battery recycling, focusing on secondary batteries and related technologies across Korea, China, and ...

1 ?&#0183; The patent analysis revealed a consistent increase in patent filings for SSBs since 2018, with a notable surge in 2023, suggesting accelerated research and development efforts. ...

The paper adopts the technology of Natural Language Processing (NLP) to analyze patent documents and reveal the advances and opportunities for developing solid ...

In this paper, patent mining and data analysis technology are adopted to summarize the development trend and main patentee of battery electric vehicle power battery ...

1 ?&#0183; The patent analysis revealed a consistent increase in patent filings for SSBs since ...

Power battery is the key to the widespread use of pure electric vehicles. In this paper, patent mining and data analysis technology are adopted to summarize the development ...

This study provides a comprehensive analysis of global patent trends in ...

Notably, lithium battery technology is a hot topic of BEV studies. Golembiewski, Stein, ... His research interests focus on patent analysis, patent policy, and patent ...

China's power battery patent application annual trend From the perspective of annual application quantity, China's research about power battery technology has experienced ...

Discover the landscape of EV battery technology, key market players, and future trends in our expert analysis of the electric vehicle revolution. Revolutionizing innovation ...

Trend analysis of patent application for EV battery technology Through the years of Chinese patent application data, we found that the number of EV battery technology patent ...

Currently, patent analysis is employed as a quantitative method to monitor technological innovations and development trends in various manufacturing areas, including ...

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What if the massive investments in battery production become obsolete because they are not compatible with a new battery technology? On a lower level, it appears rather ...

Preview of the "Solid-state / Semi-solid Li-ion Battery Innovation & Patent Review", including sections on commercially relevant patents, benchmarking and identification ...

In this contribution, patent analysis is applied to systematically study battery assembly from cell to module and pack, and figure out their technology life cycles aiming at ...

Proportion of patent compared in main kinds of vehicle battery technology 4.2. Trend analysis of patent application for EV battery technology Through the years of Chinese ...

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