Patent application for battery technology

Japan produced international patent applications published in 2018 for 2,339 inventions related to batteries, almost twice as much as second-ranked South Korea"s 1,230, according to a joint ...

GMG"s partner, UniQuest Pty Limited ("UniQuest"), has filed a global patent application for the G+AI Battery under the Patent Corporation Treaty ("PCT") following an initial filing on November 25 ...

The patent applications were filed quite recently, in June and August 2022, respectively, indicating that the EV maker continues to innovate in battery technology. Recently, ...

DOI: 10.18686/cest.v1i1.47 Corpus ID: 263917641; Redox flow battery technology development from the perspective of patent applications: A review @article{Wang2023RedoxFB, title={Redox flow battery technology development from the perspective of patent applications: A review}, author={Wuyang Wang and Anle Mu and Bin ...

Justia Patents US Patent Application for BATTERY CELL, BATTERY, ELECTRICAL DEVICE, AND METHOD AND APPARATUS FOR MANUFACTURING BATTERY CELL Patent Application ... Battery technology is crucial to development of electric vehicles. During charge-and-discharge cycles, an electrode core in a battery in use generates heat, ...

Tesla"s rise to dominance in the electric vehicle (EV) market has been fueled by constant innovation, particularly in battery technology. While sleek designs and impressive performance metrics often grab headlines, Tesla"s true advantage lies in its strategic use of patents. ... Expanding Beyond Automotive Applications. Tesla"s patents ...

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

Patent filings at the European Patent Office (EPO) for solid state batteries have been growing on average by 25% per year since 2010. 6 In 2018, they represented more than 8% of all patent filings in lithium-ion technology, ...

It shows that R& D of EVs battery patent technology mainly focuses on the patent of invention and utility model patents in [9] is possible to use PLC for this ...

Battery patent applications originating in Japan show a particularly marked increase over the last two decades (Figure 2). Figure 1. Figure 2. Figure 3: EP A publications with IPC code ...

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The EPO"s Patent Index 2023 highlights that the field of electrical machinery, apparatus and energy, which includes clean energy inventions, was the fastest growing technology field with new ...

The study also shows that Japan and South Korea have established a strong lead in battery technology globally, and that technical progress and mass production in an increasingly mature industry have led to a ...

Redox flow battery technology development from the perspective of patent applications: A review Wuyang Wang, Anle Mu*, Bin Yang, Jiahui Wang, ... During 2003-2010, the number of patent applications grew slowly. After 2010, the RFBs industry entered a rapid development stage with steadily and rapidly increasing patents. In 2010 alone, the ...

This technology will greatly aid in securing a significant technological lead in secondary battery technology." Based on this achievement, KERI has already filed a domestic patent application and is validating the "high-dispersibility CNT Powder production technology" for various applications, including high-capacity thick-film anodes/cathodes.

By battery technology (Li-ion, Ni-MH, Redox Flow, Li-Air, Li-S, Na-ion and Mg-ion). 1997-2017 worldwide IP dynamics by supply chain segment and battery technology; Overview of the 2017 ...

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