Ranking of China s latest battery patent technology

Does China have a future for lithium-ion batteries?
(Photo taken from CATL homepage) OSAKA -- China is increasing its presence in the race to develop replacements for the lithium-ion battery, a Nikkei analysis shows. A country-by-country tally of patents related to post-lithium-ion batteries over the past 10 years shows China in the lead, accounting for more than half of all patents.

How many patents are there in China?
Patents China's number of Patent Cooperation Treaty (PCT) patent publications in motor vehicle technologies increased from 25 in 2013 to 201 in 2023. (Seefigure 14.) That represents about a 700 percent increase over that period (albeit from a low base).

Which country makes the most EV batteries in the world?
Figure6: Leading EV battery manufacturers' global market shares,2023 As of 2022,Chinaaccounted for 62 percent of all EVs sold in the world,a tremendous increase from the 0.1 percent of global EV sales Chinese enterprises accounted for in 2012.

Who are China's leading EV battery manufacturers?
CATLaccounts for 37 percent of the global EV battery market followed by FDB with 16 percent,giving China's top two competitors alone over half the global market. (See figure 6.) The twain are followed by LG Energy and Panasonic,with 14 percent and 6 percent of the market,respectively.

What percentage of PCT Patents are owned by China?
When considering global shares of PCT patent publications in this field,China's share increased from 2.4 percent in 2010 to 26.9 percentin 2020. (Seefigure 17.) That represents a 24.5 percentage point increase over that period. The United States also experienced an increase in its global share by about 6.5 percentage points.

Which EV battery companies dominate the global market?
Likewise,Chinese enterprises dominate in the global share of EV battery manufacturing. CATLaccounts for 37 percent of the global EV battery market followed by FDB with 16 percent,giving China's top two competitors alone over half the global market. (See figure 6.)

China ranked first in battery patents in the post-lithium-ion era, accounting for more than half of the world"s total, according to statistics over the past decade published by ...

As of May this year, the number of global solid-state battery key technology patent applications was 20,798, of which 7,640 were in China, accounting for 36.7 percent, he ...

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Currently, more than 4,000 patents have been granted, mainly in Japan and China, and more than 3,600 patent applications are pending, mainly in the USA and China. Know key players" IP positions. More than 590 patent applicants can be found on the NMC Lithium-ion Battery patent landscape. The IP position of key players has been evaluated for ...

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

Over the past five years, China"s annual growth rate in global patent applications for solid-state batteries has averaged 20.8%, the fastest worldwide. In solar cell technology, China leads with 126,400 global patent applications, ranking first. This dominance in solar technology patents not only strengthens China"s position in the global ...

2 ???· Discovery has identified the top key players, startups & unicorns, fast-growings, news entrants in 2022, ranking from differnt perspectives, including patent filing intensity, academic ...

Analysis of global patents data held by GlobalData shows that China is emerging as the largest source for patents - applied for and granted - in the area of electric vehicle ...

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In 2022 - the latest year for which complete data are available owing to the delay between application and publication - computer technology continues to be the most frequently featured technology in published patent ...

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CATL tops worldwide rankings of battery makers. By ZHU WENQIAN | China Daily | Updated: 2022-02-09 09:17 ... Contemporary Amperex Technology Co Ltd, China"s largest battery supplier, was listed tops in terms of global power battery installed capacity last year, according to a new report by South Korea"s SNE Research. Last year, Shenzhen-listed ...

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As of May this year, the number of global solid-state battery key technology patent applications was 20,798, of which 7,640 were in China, accounting for 36.7 percent, he said. In the past five years, the average annual growth rate of China"s solid-state battery patent applications was 20.8 percent, ranking first in the world, he added.

China"s two largest EV battery producers--CATL and FDB--alone account for over one-half of global EV battery production and in total, Chinese manufacturers produce 75 percent of the world"s lithium-ion batteries.

China processes around 90% of the battery-grade manganese sulphate used in EV batteries. Graphite: Turkey, Brazil and China have the largest natural graphite reserves, accounting for 27.3%, 22.4% and 15.8% of the global total respectively.

Web: https://doubletime.es