Number of new energy blade battery patents

How many new energy vehicle power batteries are patented each year?
The number of collaborative patent applications for new energy vehicle power batteries increased from 4 in 2008 to 72in 2011,indicating a consistent trend of growth. During the initial phase of patent collaboration,the level of cooperation was minimal,with only 4 patents filed annually,reflecting an early stage of innovation.

How many new energy vehicle power battery patents are filed in China?
After de-weighting,filtering,and removing invalid patent data,it is obtained that a total of 2757joint patent applications for new energy vehicle power battery patents in China were filed between 2008 and 2021,involving 1,251 entities engaged in collaborative innovation. The search was conducted in March 2023.

Are new energy power battery patents cooperating in different provinces?
Subsequently,a thorough analysis is conducted to examine the spatial patterns of patent cooperation within each province specifically about new energy power batteries. Figure 4 shows that the total number of provinces involved in new energy power battery patent cooperation is increasingthroughout the three stages.

What is new energy power battery technology?
New energy power battery technology is a highly patent-intensive field,and patent protection and cooperation are crucial to the development and application of the technology. Patents are the result of technological innovation and an important indicator of technological innovation behavior (Archibugi 1992).

Why do we need a patent for new energy vehicle battery technology?
Given the core and innovation of new energy vehicle battery technology,patent application,and authorization have become an important driving force to promote technological progress and industrial development.

How has the new energy vehicle power battery Patent Cooperation network evolved?
Phased evolutionof the patent cooperation network: From 2008 to 2021,the evolution of the new energy vehicle power battery patent cooperation network presents significant phased characteristics,which not only reflect the rapid development of technology but also reflect the deepening of the industry-university-research cooperation mode.

The Blade Battery, launched by BYD in 2020, is a notable example of China"s commitment to improving battery safety and efficiency. This technology is designed to reduce ...

BYD"S NEW BLADE BATTERY SET TO REDEFINE EV ... Chemistry = LiFePO4 (LFP) Capacity = 202 Ah; Nominal Voltage = 3.2 V; Maximum Charging Voltage = 3.65 V; ...

A mechanical-energy battery is composed of an energy supplying part, an energy storage part, a transmission

part, a generating set and an output part, wherein a star gear is adopted for ...

Blade Battery has a long battery life with over 5000 charge and discharge cycles. With a range of EV and PHEV to choose from, whether that"s fully electric or hybrid options, new energy ...

Two patents have been published for solid-state batteries. One is "a positive electrode material and its preparation method, a solid-state lithium battery". The patent ...

2019-03-18 Priority to US16/357,170 priority Critical patent/US11557800B2/en 2019-05-21 Assigned to ROMEO SYSTEMS, ... a "battery pack" as used herein describes a set of any ...

In recent years, BYD has gone from being an unknown brand to a well-known and respected player in the electric vehicle industry. The scale and growth reached new levels in 2023 with over 3 million New Energy Vehicles (NEVs) sold ...

Patents. China"s number of Patent Cooperation Treaty (PCT) patent publications in motor vehicle technologies increased from 25 in 2013 to 201 in 2023. (See figure 14.) That represents about a 700 percent increase over ...

BYD has set a good example globally by striving to introduce the latest new energy-vehicle (NEV) products, as well as the latest technologies, for different people in ...

For context, the current Blade battery, launched in 2020, achieves an energy density of around 150 Wh/kg. The new long blade variant represents a notable improvement, bridging the gap with premium NMC (nickel ...

This application discloses a kind of battery packs, vehicle and energy storage device, the battery pack includes cell array and supporting element, the cell array includes several single ...

Web: https://systemy-medyczne.pl