

The company with the most battery patents

Which country has the most solid-state battery patents?

Patents that only apply in China are not included, though. For the past several years, Japan has led the way in solid-state battery innovation, consistently publishing more patents than any other country by a considerable margin. In this table, the top three ranks are occupied by Japanese firms.

How many lithium-ion battery patents are there?

One notable patent royalty initiative is LG Energy Solution's collaboration with Tulip Innovation and Panasonic Energy to form a new licensing program that integrates over 5,000 lithium-ion battery patents.

Who makes the most EV batteries in the world?

China is the undisputed leader in battery manufacturing, dominating the global production of essential battery materials such as lithium, cobalt, and nickel. Chinese companies supply 80% of the world's battery cells and control nearly 60% of the EV battery market. 13. Amperex Technology Limited (ATL) 12. Envision AESC 11. Gotion High-tech 10.

Why is a global battery leader reinvesting patent royalties in R&D?

As a global battery leader, it is taking various measures to establish a fairer competitive environment that upholds market order, so that it can reinvest its patent royalties into R&D and, as a result, pave the way for more innovative future technologies to advance the industry as a whole.

How many patents does Tesla have?

The company has applied for 8,654 patents, including 4,379 utility model patents, 3,795 invention patents, and 480 design patents. It operates several R&D centers across China, Japan, Germany, and the USA, focusing on enhancing battery energy density, safety, and longevity. Their revenue is growing rapidly.

Which EV battery manufacturer has the largest market share?

According to SME Research, CATL is the world's largest EV battery manufacturer, with 37.7% of the market share. Plus, it is the only battery supplier with a market share of over 30%. CATL has 6 R&D facilities, five in China and one in Germany. In 2023, they spent about \$2.59 billion in R&D, an 18.35% increase from the previous year.

The overwhelming majority of battery patents have come from electric vehicle battery technology. Patents concerning batteries for electric vehicles overtook those for ...

As a reminder, in April 2023 Valeo was ranked first French patent applicant at the European Patent Office (EPO) for the year 2022, with 588 patents (31 st in the ranking). In 2023, Valeo's R&D effort amounted to 2 ...

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In 2022, more than 320 new patent applicants entered the solid-state Li-ion battery-related patent landscape, with three-quarters filing only one patent family (i.e., unique invention). Most of these IP newcomers are Chinese ...

The Lithium-ion battery top 100 is Discovery PatSnap" annual ranking of the top 100 Most Patent Filings Lithium-ion battery Key Players in the world. Discovery has identified the top key players, startups & unicorns, fast-growings, news entrants in 2022, ranking from different perspectives, including patent filing intensity, academic research capability, news media heat.

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Context: Contemporary Amperex Technology Co., Limited first sued its local rival China Aviation Lithium Battery in July 2021, enforcing five patents and seeking over 188 million Chinese yuan (US\$25 million) in damages. CATL has scored some victories, so far securing over 44.53 million Chinese yuan (US\$6 million) in compensation - before enforcing a sixth patent ...

IFI CLAIMS Patent Services - a Digital Science company dedicated to providing the world's most trusted patent data for research, innovation and technology ... Sakti3 (69 patents granted), a battery company ...

However, Invinity is a relatively new company (formed through a merger between Avalon Battery and RedT in 2020) and will likely focus on its California projects before bidding on new ones. A leader in the flow battery space is ESS Tech, Inc., an iron flow battery producer backed by billionaires Bill Gates, Jeff Bezos, and Michael Bloomberg. ESS ...

Tesla obtained innovative battery technology patents. And the deal included the purchase of a small Canadian-based company, Springpower, International who had the patents pending. Tesla CEO Elon Musk is on a ...

RecycLiCo Battery Materials ("AMY" or the "Company") is pleased to announce the filing of National Phase Patent Applications (NPPA) to further strengthen the Company's patent portfolio. The Company's original PCT Application No. PCT/US/2020/021888 was filed with the World Intellectual Property Organization and is now filed into the national phase for ...

It could be the company's patents along the entire battery supply chain, their differentiated direct lithium extraction technology, or the company's claim that they offer the best complement. EnergyX is a lithium ...

My experience is that oil companies tend not to buy patents but to "spoil" them, that is, to publish information so that others cannot patent it. The Times of Zambia was once much used for this. Novelty around

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car engines tends to be stalled by the fact that a new generation of IC engine costs about \$9 bn to bring to market (Ford figures) and something novel, that much more.

A new study of the GlobalData database ranked the companies with the most solid-state battery-related patents, and found out that Toyota tops the list. ... LG leads the pack with 5,539 solid-state ...

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 ...

Although U.S. automakers lead the industry in terms of the number of EV patents, Asian companies should not be forgotten. Hyundai holds a few for things like EV battery management systems. 14. Hitachi. Like Hyundai, ...

As a high-end local Chinese EV company, Nio has more patents than Xpeng Motors and Li Auto. Through these patents, we can also get a glimpse of the company's layout in technology development. As of April 8, Nio has ...

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