



# The company with the most patented battery technologies

Electric vehicle (EV) technology innovators are leading the race to find high performance battery materials. Here's a breakdown of current research and development efforts, and a look at how ...

The Focus technology uses three AI technologies to process global patent data, track emerging technologies, make data-driven insights and predict future performance.

G3's Patents G3 has an extensive patent portfolio that includes hundreds of patent applications and issued patents. The portfolio is by far the largest in the graphene industry, dwarfing all the rest. This includes well over 510 in the US, over 100 international, and over 250 in various foreign countries. The exact numbers change weekly [...]

The Company is planning to file additional patents to improve its existing technology as well as enter into new market segments but will continue to market air purifiers and other consumer products.

How the U.S. gave away a breakthrough battery technology to ... "If DOE determines that a contractor who owns a DOE-funded patent or downstream licensee is in violation of its U.S. manufacturing ...

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NexTech Batteries, the global leader in proprietary lithium-sulfur battery technology, has selected DRIVEN360 - a world-class integrated communications and brand marketing house - as its global public relations ...

Enevate is the first to cross the 100 issued patent threshold among the group of competing companies racing to provide next-generation battery performance. The company's ...

Footnote 96 He commented upon the gambit by Tesla Motors: "Ultimately, the impact of Musk's decision may turn on to what extent other such players will be motivated to invest in manufacturing vehicles, batteries, etc. using Tesla's patented and patent-pending technology with the obvious upside being the proven innovation that technology ...

2 &#183; 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 ...

The advanced battery technology development by both companies will enable them to create increasing demand for platinum and palladium in the battery technology space. Anglo American Platinum announced



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that its net profit for 2019 more than doubled over 2018 on the back of higher PGM prices, as the company recorded its first-ever fatality-free ...

Murata Manufacturing is one of the top patent filers in solid-state batteries. The company has developed a new electrolyte for electric vehicles (EVs).

ANN ARBOR, Mich. (Jan. 21, 2022) - The United States Patent and Trademark Office awarded Toyota more patents than any other automaker in 2021, according to an annual ranking by the Intellectual Property Owners Association (IPO). Toyota's engineers and scientists were granted a total of 2,753 patents in 2021 with many in battery research to support vehicle electrification ...

In February 2022, John Deere acquired a majority ownership in battery technology company Kreisel Electric Inc. Since then, the two have partnered on the development of battery systems for off-highway equipment. ... Both batteries provide a modular architecture to aid integration by OEM customers as well as Kreisel's patented immersion ...

DAYTON, OHIO, November 18, 2020 - Global Graphene Group (G 3) announces the issuance of 8 key patents for long range lithium metal battery technology. This suite of patented solutions is fundamental for EV OEMs to move forward with solid-state or lithium metal battery development, an energy dense battery that will give EVs an extended driving range on a ...

Japanese robotics manufacturer Fanuc is the world's most innovative automation technology company based on patent analysis. Since 2019 Fanuc has jumped 42 places in the ranking, from 61st to 19th.

Also in Europe, commodities heavyweight Glencore and Li-Cycle last year announced plans for the largest battery recycling plant in Europe, using Li-Cycle's patented hydrometallurgical technology. Another firm to watch is PH7 technologies, a Canadian start-up founded in 2020, which last year received \$16m in series A funding.

The overwhelming majority of battery patents have come from electric vehicle battery technology. Patents concerning batteries for electric vehicles overtook those for consumer electronics in 2011. Since then, growth has generally accelerated. ... The top 10 companies creating the most battery-related IPFs includes seven Japanese companies, LG ...

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. The methodology involved collecting data from various patent databases, followed by quantitative analysis to identify technology trends and guide future development. ...

Currently, there are thousands of companies globally involved in battery manufacturing, ranging from large



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multinational corporations to smaller, specialized firms. We present the largest and most influential battery manufacturers, exploring their market positions ...

Nth Cycle is a metal processing technology company working with battery recyclers and miners to recover production-grade critical minerals. 19. Ruicycle. Country: China ... OnTo develops and patents advanced battery recycling innovations that yield high-quality electrode materials made from recycled batteries. 50. Allie Energy. Country: UK ...

BRISBANE, QUEENSLAND, AUSTRALIA - Graphene Manufacturing Group Ltd. (TSX-V:GMG; FRA:0GF) ("GMG" or the "Company") is pleased to provide an update regarding the patent status of the associated Graphene Aluminium-Ion Battery ("G+AI Battery") technology. GMG's partner, UniQuest Pty Limited ("UniQuest"), has filed a global patent ...

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 ...

This article has been amended to clarify Tesla's cylindrical 4680 battery cells have been developed to supply energy up to five times that of the batteries currently used in most Tesla cars ...

"A technology that's already protected by patent application No. 3069168. ... the battery testing and technology company which was acquired by the Australian company GraphiteCorp about three years ago, ... they do deal ...

LG Corp, whose affiliated company LG Energy Solution supplies EV batteries to Toyota, claims runner-up position with 5,539 solid-state battery patent grants identified between October...

10 Best Global Graphene Patents. US7071258B1 is the most popular patent in the Global Graphene portfolio. It has received 678 citations so far from companies like Samsung Electronics, Gm Global and Nissan Motor. Below is the list of ...

2 &#0183; 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.

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 ...

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