

JH Solar

Lg chemical energy storage patent



Overview

SEOUL, March 16, 2023 - LG Chem aims to enforce its battery material patent rights amid intensifying technological competition with the aim of dominating the global advanced battery market as demand for electric vehicles (EVs) continues to rise. LG Chem today proposed to license out its high-nickel.

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A patent titled “Hydrogen Storage Material Including Metal-Organic Frameworks,” filed on June 27, 2024, by LG Chem, Ltd., introduces a novel method for hydrogen storage. The inventors, whose specific names aren’t in the abstract, propose an advanced organic light-emitting device with unique.

SEOUL, April 24, 2024 - LG Energy Solution (KRX: 373220), a battery pioneer that has led technology innovation and development in the global battery industry over the past 30 years, announced it will take strong countermeasures against “patent free riders.” LG Energy Solution is evaluating all.

Munich District Court found Sunwoda’s prismatic cells for the Dacia Spring EV infringe LG Energy Solution’s electrode assembly patent, triggering a German sales ban, recall obligations and damages unless appealed. LG Energy Solution secured a favorable ruling from the Munich District Court, which. Does LG Chem use patent-protected processes?

The complaint for patent infringement alleges that LG Chem uses processes that have been patent-protected by the plaintiff in their batteries.

Does LG Energy Solution have a patent?

As a pioneer of the industry, LG Energy Solution has already secured patent protection for core technologies across all areas of the battery industry, including battery materials, manufacturing, battery pack and battery

management systems (BMS).

Will LG Chem patent a new source of profit?

So, LG Chem wants to drive development of the battery materials industry by licensing its patents and thus spreading the word about its high-nickel materials, all while threatening to take legal action against companies that violate their patents. And that makes one thing clear: Cathode material licensing could become a new source of profit.

Does LG Chem have a patent on cathode materials?

These patents have been “registered in many countries, including Korea, China, the US, and Europe,” according to LG. LG Chem proposed to license out its patents to Chinese cathode materials suppliers.

What does LG Chem's licensing mean for the battery industry?

With this licensing, LG Chem expects to promote the development of the battery material industry with other global cathode material suppliers. By doing so, the company expects to generate new sources of profits as the demand for technology to produce key battery materials, such as high-nickel cathode, is expected to rise.

How does LG Energy Solution protect its intellectual property?

LG Energy Solution has previously taken significant measures to protect its intellectual property (IP), including filing successful trade secret misappropriation and patent infringement lawsuits against its competitors with the United States International Trade Commission, German courts, and others.

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LG Chem files lawsuit against unit of China's Ronbay over battery ...

South Korea's LG Chem said on Wednesday it has filed a patent infringement lawsuit at a Seoul court against a South Korean unit of Chinese battery materials maker ...

Long Duration Energy Storage Technologies

Long Duration Energy Storage (LDES) enables extended storage of power and helps stabilize intermittent power supply when integrated with renewable energy. Technologies ...



Patents Assigned to LG ENERGY SOLUTION, LTD.

Discover patents and patent applications assigned to LG Energy Solution, Ltd., featuring innovative technologies and advancements in energy solutions.

LG Energy Solution and GM to Jointly Develop Prismatic Battery ...

LG Energy Solution has already secured competitiveness in prismatic cells, with the

experience of actual prismatic cell production and extensive patent portfolio on battery ...



LG Energy Solution Wins German Ruling Over Sunwoda Patent

LG Energy Solution secured a favorable ruling from the Munich District Court, which found that lithium-ion prismatic battery cells produced by China's Sunwoda Group ...

LG Energy Solution found over 580 infringements on its patents

LG Energy Solution has found over 580 cases of infringement on its patents, its executive said. The South Korean battery maker has the largest cache of patents related to ...



LG Energy Solution to Take Firm Stance Against Patent Infringers

LG Energy Solution is evaluating all options in this regard, including issuing warning notices or filing patent infringement lawsuits against those infringing on its patents.

Tesla vs. CATL vs. LG Energy: Who's Leading the Battery Race?

The electric vehicle (EV) revolution is impossible without powerful, efficient, and affordable batteries. Three major players dominate the EV battery market: Tesla, CATL, and LG Energy ...



Standard 20ft containers



Standard 40ft containers



LG Chem to enforce battery patents in court if necessary

South Korean chemical company LG Chem has a clear message for its competitors: It wants to "dominate" the global market for advanced EV batteries and - if it has ...

Preview - Solid-state / Semi-solid Li-ion Battery Innovation & Patent

4 ???· Preview of the 'Solid-state / Semi-solid Li-ion Battery Innovation & Patent Review', including sections on commercially relevant patents, benchmarking and identification of ...



[WO2022061187A1](#)

Energy storage devices and methods of manufacturing thereof, such as a lithium ion battery, without tabs connecting the electrode jellyroll to the can are described. A series of flags may be ...

[Media > Press Release](#)

In March 2022, LG Chem, the world's first producer of nickel-cobalt-manganese (NCM) cathode materials, purchased more than 40 patents relating to high-nickel cathode material from ...



ESS



Method of manufacturing dry electrode for energy storage device, ...

The present disclosure relates to a method of manufacturing a dry electrode for an energy storage device, which can form a uniform insulating film on an edge portion of the dry electrode and ...

Solid-state / Semi-solid Li-ion Battery Innovation & Patent ...

Ilika Technologies ION Storage Systems JX Nippon Mining and Metals / Eneos LG Energy Solution / LG Chemical Maxell Mitsui Mining and Smelting / Mitsui Kinzoku Murata ...



Hydrogen Storage Material Patent by LG Chem

A patent titled "Hydrogen Storage Material Including Metal-Organic Frameworks," filed on June 27, 2024, by LG Chem, Ltd., introduces a novel method for hydrogen storage.

Why LG Energy Solution

03 Extensive Patents LG Energy Solution was one of the earliest players to enter the lithium-ion battery industry, beginning our R& D as early as 1992 and mass producing in 1999. With this experience we have an ...



LG CHEM SUSTAINABILITY REPORT

LG Chem has been focusing on a strategic portfolio transformation centered on three next growth engines: battery materials, sustainability, and biopharmaceuticals. As the first Korean chemical ...

How LG Energy Solution Has and Will Lead the ...

At the forefront of the green energy industry, LGES equips its industry-leading technologies across diverse energy solutions, such as pouch-type battery cells, cylindrical batteries and energy storage systems, ...



Battery module Patent Grant Lee, et al. [LG Chem, Ltd.]

The present disclosure relates to a battery module, and more particularly, to a battery module guaranteeing excellent cooling efficiency, safety, and high energy density, and a battery pack ...

Battery module Patent Grant Lee, et al. [LG Chem, Ltd.]

U.S. patent number 10,601,089 [Application Number 15/744,047] was granted by the patent office on 2020-03-24 for battery module. This patent grant is currently assigned to LG Chem, Ltd.. ...



Summary Report Energy Storage

The detailed landscape report also discusses chemical energy storage like hydrogen, biofuels and power-to-gas and electrical energy storage such as supercapacitors, ultracapacitors and ...

LG Energy Solution wins German patent suit against China's ...

LG Energy Solution has won a patent infringement lawsuit in Germany against China's Sunwoda Group, potentially banning the sale of the Chinese company's infringing ...



Preview - Solid-state / Semi-solid Li-ion Battery ...

4 ???· Preview of the 'Solid-state / Semi-solid Li-ion Battery Innovation & Patent Review', including sections on commercially relevant patents, benchmarking and identification of product launch risk factors.

Patent landscape on Silicon anode for Li-ion ...

The Silicon anode-related patent landscape is very dynamic Automotive represents a huge new potential market for the battery industry. Electric vehicle (EV) performances mainly rely on batteries, and companies ...



LG Chem Sues Ronbay Technology's Korean Subsidiary over ...

The stakes are high, given the growing demand for batteries in electric vehicles (EVs), portable electronics, and energy storage systems. The dispute centers on five patents ...

LG Chem 2025 Company Profile: Stock Performance & Earnings

General Information Description LG Chem Ltd manufactures and sells a variety of chemicals, electronics, and energy storage products. The company operates in three major segments: ...



Energy Storage: Flow Batteries

Spotlight Founded in 1947, LG Chem is a leading chemical company headquartered in Seoul, South Korea. LG Chem provides globally competitive products in many fields, such as ...

Intellectual Property in the Battery Sector: Part One

In fact, when LG publicly bemoaned a 'surge in patent infringement by latecomers in the battery industry', one of the technologies specifically referred to in its press ...



[Press Release , Media , LG](#)

LG Chem today proposed to license out its high-nickel cathode material patent to China-based cathode material suppliers. To that end, LG Chem plans to enforce its patent ...

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