



# Energy storage technology invention patent

Are patents filed for energy storage technologies reflected in the data?

Patents filed for energy storage technologies - Our World in Data Figures in recent years are subject to a time lag; submitted patents may not yet be reflected in the data. Figures in recent years are subject to a time lag; submitted patents may not yet be reflected in the data. Our World in Data Articles by topic Latest About Donate All charts

Who invented energy storage technology?

The energy storage technology was invented collaboratively by researchers from INL's Energy Storage Group, Montana Tech of the University of Montana, Motloch Consulting, and Qualtech Systems, Inc. with support from the Vehicle Technologies Office within the Energy Department's Office of Energy Efficiency and Renewable Energy.

What types of energy storage technologies are available?

Electrochemical, heat and mechanical energy storage technologies are available in many forms, and future scenarios may incorporate any of the diverse technologies explored below, each favouring particular end-use and economic environments.

How can energy storage help achieve the energy transition?

The range of sources of renewable energy requires a leap forward when it comes to innovation in energy storage and other enabling technologies that will help achieve the energy transition, including by balancing supply of and demand for power.

Ben Lincoln of IP law firm Potter Clarkson on patent filing activity in some leading non-electrochemical energy storage technologies.

Electrochemical, heat and mechanical energy storage technologies are available in many forms, and future scenarios may incorporate any of the diverse ...

The present invention has been made based on the foregoing circumstances, and an object of the invention is to provide an energy storage device that has a great effect of suppressing an...

Aenert news. Invention analysis Various options of energy storage are described in patented solutions in the field of solar energy. They include such technologies as those ...

Improving the capacity to store electricity is playing a key role in the transition to clean energy technologies. Between 2005 and 2018, patenting ...



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FLASC was developed during Buhagiar's PhD in offshore wind, hydraulic transmission and energy storage at the University of Malta. The university recognised the potential of the work and ...

U.S. patent number 10,107,268 [Application Number 14/846,201] was granted by the patent office on 2018-10-23 for thermal energy storage and power generation systems and methods. This ...

Based on the data of invention patents, this paper analyzes the innovation situation of global energy storage safety technology, providing a reference basis for future ...

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Solar energy storage-related invention patents and ...

Patent transfer is a primary form and important component of technology transfer [12] and enables the commercialization and dissemination of technology [13]. Over ...

MIT's liquid metal battery technology [1] achieved what many thought impossible - creating an energy storage system that costs less than your average sushi dinner.

The invention discloses a charging and discharging power balance distribution method and a charging and discharging power balance distribution system for a sustainable energy storage ...

Annual patents filed for energy storage technologies Figures in recent years are subject to a time lag; submitted patents may not yet be reflected in the data.

The patent ensures that both parties' interests are protected, promoting a cooperative approach that benefits the industry as a whole. The Process of Obtaining a Patent for Energy Storage ...

Andy Colthorpe speaks to Maria Skyllas-Kazacos, one of the original inventors of the vanadium redox flow battery, about the origins of the ...

The invention discloses a kind of self-locking systems applied to mobile energy-storage battery low-power consumption key circuit, are related to energy-storage battery field;The key switch ...

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Storage energy-related invention patents and utility ...

FLASC was developed during Buhagiar's PhD in offshore wind, hydraulic transmission and energy storage at the University of Malta. The university ...

Using patent data from 1978 to 2019 across 1881 regions, we estimate the main determinants of innovation in



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energy storage. Our results highlight the role of energy prices and past innovation ...

Energy storage patents are legal protections granted for inventions related to technologies that store energy for later use. These patents can apply to various systems, ...

The latter notably include renewable energy technologies, such as solar and wind energy, and fuel cells. In contrast, patents in energy conservation technologies ...

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Flywheel energy storage system-related invention ...

Businesses pioneering solid-state battery solutions for aerospace should focus on patents that protect not only the core battery technology but also the specific configurations ...

A system for harvesting, storing, and generating energy, that includes floating structure supporting machinery to extract energy from wind, waves, surface generators, or ...

Based on data from the incoPat patent database, we established the Cooperative network and knowledge network of energy storage patents and measured the ...

These patents cover inventions related to offshore wind energy, including key technology concept groupings such as: fixed and floating foundations, towers, mechanical power transmission, ...

The Technology Development Division of Texzon Utilities (Texzon) announced that the United States Patent and Trademark Office issued on June 28, 2011, U.S. Patent No. ...

Abstract: The present invention provides an aqueous electrolyte for use in rechargeable zinc-halide storage batteries that possesses improved stability and durability and ...

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Energy storage-related invention patents and utility ...

15 &#0183; Jin Yi Technology Obtains Invention Patent Authorization: "RSU Antenna Switch Control Method, Device, Computer Equipment and Storage Medium" 2025-09-17 03:16 ...

Patent documents provide knowledge about which countries are investing in certain technologies and make it possible to identify potential innovation trends. The aim of this ...

Overview Patents provide early indications of technological developments that may transform the economy and drive the energy transition.



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Zhongneng Wanjia New Energy Technology (Beijing) Co Ltd Title: Energy Storage Management and Diagnosis System and Method for Iron-chromium Flow Battery CN-116505040-A Priority ...

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Web: <https://www.economieopgaven.nl/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

