

Patent mining of energy storage container structure

What are the patenting activities in offshore LNG storage and transportation?

In this work, past patenting activities in the domain of Offshore LNG Storage and Transportation were reviewed, the most active technological participants were identified, worldwide patent portfolios were constructed, and text mining and clustering of the key technologies were conducted. It is concluded that:

Is patent tech mining a novel perspective?

Conclusion 6.1. Findings It is commonly agreed that generating a technological landscape coupled with a competitive analysis based on patent tech mining is a novel perspective - the findings of which will enrich existing studies with quantitative methods.

Which country patents offshore LNG storage and transportation?

Patenting activities regarding offshore LNG storage and transportation starts in the 1960s; South Korea filed the largest number of patents, taking up around 1/3 of the global applications; Top five patenting countries are South Korea, US, China, France and Japan, and the majority of their patents were filed in their own patent offices;

What is the International Patent Classification of nuclear technology?

Note: The international patent classification of nuclear technology in the IPC index of environmentally friendly technologies of the UK intellectual property office is G21, and, in the EPO classification system of climate change mitigation technology, the joint patent classification of nuclear power generation, fusion, and fission is Y02E30.

What is a Cooperative Patent Classification system (CPC)?

The proposed Cooperative Patent Classification System (CPC), which fully complies with the current European Patent Classification (ECLA) standard, is an extension and improvement of the ECLA.

What is tech mining?

Tech mining is the process of generating valuable technological competitive intelligence from ST&I literature resources using bibliometrics, text mining, and other visualization tools (Guo et al., 2015; A. Porter, 2007; A. L. Porter and Newman, 2009). It seeks to enhance understanding of technology dynamics in every aspect of the R&D process.

This study provides guidance for formulating effective policies to optimize energy structures and industrial development. Specifically, the study involved collecting HST ...

The proposed energy storage system uses a post-mine shaft with a volume of about 60,000 m³ and the proposed thermal energy and compressed air storage system can ...

The present invention provides novel designs and improved methods for the construction and operation of a gravity powered energy storage facility. This facility might also ...

Understanding innovation of new energy industry: Observing development trend and evolution of hydrogen fuel cell based on patent mining

The granted patent US12024358B2 describes a bulk fluid storage container designed for efficient storage and stacking of fluids. The container features a sealed fluid ...

Containerized Energy Storage System: As the world navigates toward renewable energy sources, one factor continues to play an increasingly pivotal role: energy storage. ... a CESS integrated into a municipal power grid ...

pert group decision-making to conduct text mining of the hydrogen energy patent dataset, identify hydrogen energy technology topics, and conduct analyses of emerging ...

Tolerance in bending into a certain curvature is the major mechanical deformation characteristic of flexible energy storage devices. Thus far, several bending characterization parameters and ...

Abstract: Provided is an electrode alloy powder that is useful to obtain a nickel-metal hydride storage battery having a high battery capacity and a reduced self-discharge. ...

Renewable energy is the fastest-growing energy source in the United States. The amount of renewable energy capacity added to energy systems around the world grew by ...

As leaders in the industry, BMarko Structures brings over a decade of experience and expertise to the realm of shipping container buildings. With 400+ projects under our belt, we specialize in ...

Given the rising demand for energy and the escalating environmental challenges, energy storage system container has emerged as a crucial solution to address ...

The number of patent applications for nuclear energy has remained low. Biomass and tidal energy patents were small in number prior to 2000, but, between 2000 and ...

Hydrogen energy, one of the energy sources of the future, represents a substantial issue which affects the industries and national technologies that will develop in the ...

Patents provide a rich source of information about design innovations. Patent mining techniques employ various technologies, such as text mining, machine learning, natural ...



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Starting a mining operation poses challenges. such as sufficient space for your machines, stable temperatures, all the right electrics and a dependable data connection. ASIC mining shipping containers or bitcoin mining containers are ...

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