

Hydrogen solar container patent japan





Overview

The inventors therefore realized that by using a bag-shaped module made of a polymer film as a container for storing fluids in a water decomposition device for generating hydrogen, instead of using a pre-formed module, the bag can be folded and carried to the desired location. J-PlatPat (Japan Platform for Patent Information) is an official digital library for patents, utility models, designs and trademarks. If the Japanese page appears when you click or tap on the external link, please click or tap on the “English” button in the upper right corner of J-PlatPat to. (57) A hydrogen production system equipped with at least one container for housing a hydrogen compound member, a heating device for heating the inside of the at least one container by a heating medium, a cooling device for cooling the inside of the at least one container, and a water supply device. According to a recent study of patents by the International Energy Agency (IEA) and the European Patent Office (EPO), the European Union and Japan are leading the global patenting in hydrogen. The study measured international patent families (IPFs) filed during the 2011-2020 period and found that. The present invention addresses the problem of easily storing and releasing hydrogen gas, and easily increasing the amount of stored hydrogen gas. A hydrogen storage container (10) having a container for storing hydrogen gas, and a hydrogen gas-soluble liquid (20) which fills the container, wherein. Europe and Japan are leading the world in terms of patent filings related to hydrogen, according to a new report. Technologies related to producing hydrogen accounted for the largest number of hydrogen patents in 2011-2020. The automotive sector was the area of transport with the biggest jump in. Liquid natural gas (LNG) provides Japan with more than a third of its total energy, and the country is one of the world's biggest importers of the fossil fuel. But now the Takasago facility has a new mission: to develop the technologies needed to harness hydrogen, an abundant element that can be.



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Hydrogen patents shift towards clean technologies with Europe and ...

The report finds that global patenting in hydrogen is led by the EU and Japan, who account for 28% and 24% respectively of all IPFs filed in this period. Both regions also saw significant growth in the past ...

Hydrogen patents shift towards clean technologies with ...

Munich, 10 January 2023 - Innovation in hydrogen is shifting towards low-emission solutions, with Europe and Japan in the lead and the United States losing ...



K& L Gates

Japan's transportation sector is a large contributor to Japan's overall CO2 emissions.⁷ As such, the 2017 Basic Hydrogen Strategy plan also included goals for hydrogen fuel cell private passenger and ...

JP5830206B2

The present invention provides a container equipped with a solar panel that uses a solar panel to enable a device that requires a large current to operate without any problem and to obtain electric power ...



Patent Landscape Report Hydrogen Fuel Cells in Transportation

With battery-powered electric transportation having grown over the last five years, the political momentum for hydrogen fuel cell transportation has gathered strength over the last two years. This ...



Hydrogen patent filings: Europe and Japan lead on innovation , World

Europe and Japan are leading the world in hydrogen patent filings, says a new report from the International Energy Agency and European Patents Office.



Patent Search / Utility model Search , Japan Patent Office

Patent Search / Utility model Search J-PlatPat (Japan Platform for Patent Information) is an official digital library for patents, utility models, designs and trademarks.





Hydrogen Factsheet

Executive Summary Japan is leading on hydrogen, with a particular focus on its application in transport, heating and energy production. In many of these sectors, Japan is already a technological leader. ...



Hydrogen Patents for a Clean Energy Future - Analysis ...

Patents are strong indicators of innovation activity which can give very detailed insights into the state and direction of the science. This study, ...

Investigating diffusion and convergence trajectory of hydrogen storage

In 2017, Japan unveiled the "Basic Hydrogen Strategy", aiming to establish a leading hydrogen-centric society. In 2020, the European Union and China successively announced their ...



Hazer Group Secures Key Patent in Japan for Hydrogen Production ...

Hazer Group Ltd awarded a significant patent by the Japanese Patent Office for its hydrogen and graphitic carbon production process using iron ore as a catalyst. The patent enhances Hazer's ...



Hydrogen patents for a clean energy future

The results reveal encouraging transition patterns across countries and industry sectors, including a major contribution of Europe to the emergence of new hydrogen technologies. Importantly, they ...



Hydrogen patent portfolios in the automotive industry - The search for

In the development of hydrogen vehicle technologies, the automotive industry adopts a portfolio approach; a multitude of technological options is developed for hydrogen storage and ...

Hydrogen is Taking Off in Japan. That's Good News for Global ...

Japanese companies hold an unmatched number of patents for hydrogen-related technologies, and are working hand-in-hand with international firms like HydrogenPro to further innovation.



Hydrogen Technology Market in Japan

Executive Summary and for the production of ammonia. Hydrogen, however, has long been considered as a clean alternative to gasoline. Since the 1970s, there have been discussions about a hydrogen ...



Hydrogen Patents on the Rise: EU and Japan in the Lead

According to a recent study of patents by the International Energy Agency (IEA) and the European Patent Office (EPO), the European Union and Japan are leading the global patenting in ...



Japan's Hydrogen Revolution Attracts Global Players

Japan accounts for nearly one-fourth of hydrogen technology patents worldwide, covering a significant variety of areas. 5 Many of these are related to vehicle fuel ...

Fluid container and water splitting device for hydrogen generation

The inventors therefore realized that by using a bag-shaped module made of a polymer film as a container for storing fluids in a water decomposition device for generating hydrogen, instead of



DETAILS AND PACKAGING



- 1 USER MANUAL PDF
- 2 RJ45 Cable For RS485/CAN
- 3 Battery in Parallel Cables
- 4 RJ45 TO USB Monitor Cable
- 5 M8 Terminal*4

HYDROGEN PRODUCTION SYSTEM

(74) Representative: Müller Schupfner & Partner Patent- und Rechtsanwaltspartnerschaft mbB Bavariaring 11 80336 München (DE) (57) A hydrogen production system equipped with at least one ...



JP3198375U

The bottle main body 1 which consists of the container of this, and the lid main body 4 which obstruct , occluded the opening part of this bottle main body 1, and was provided with the drinking mouth and ...



US20210292917A1

Disclosed is a hydrogen production and storage system using solar energy which converts solar energy into electric energy through a solar panel, operates a water electrolysis reactor using the electric ...

HYDROGEN PRODUCTION SYSTEM

As described in an operation which will be described later, hydrogen or oxygen is generated in the container 2, and a hydrogen release unit 7 and an oxygen release unit 8 through which hydrogen ...



Re-examining Japan s Hydrogen Strategy: Moving Beyond the ...

Japan needs to clearly define the applications where hydrogen is truly needed to achieve decarbonization and develop a strategy for supplying green hydrogen from within and outside Japan ...



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