

What are the us gravity solar container patents





Overview

Search specific patents by importing a CSV or list of patent publication or application numbers. The system is deployed in deep water and close to load centers and sources of electrical power that preferably is generated by ocean-based renewable energy systems such as wind, waves and water currents. F03B13/1865 Adaptations of machines or engines for special use; Combinations of machines or. The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply energy to electric vehicles during transport of the container (s). The present disclosure generally relates to the technical field of electrical systems and. It was seen that patent filings in gravity based energy storage systems has been, on average, increasing year-on-year. 2023 was also full of commercial developments and brought news that Gravitricity and Energy Vault are moving forward with commercialising gravity energy storage systems around the. As the photovoltaic (PV) industry continues to evolve, advancements in Which companies have patents for gravity solar container towers have become critical to optimizing the utilization of renewable energy sources. From innovative battery technologies to intelligent energy management systems, these. How many patents are there in gravity energy storage?

The paper data utilized in this research was extracted from the Clarivate Analytics company's WoS Core Collection database (SCI-Expanded). The search strategy was based on the association of keywords related to gravity energy storage. By June. Search specific patents by importing a CSV or list of patent publication or application numbers. The invention discloses a solar container system which comprises a highly-efficient photovoltaic assembly, a storage battery, a solar hot-water supply and power generation system, an inverter, a.



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US Patent Application for SOLAR ENERGY CONTAINER SYSTEM ...

The present disclosure describes a solar energy storage system. A storage container is provided, comprising a base having a compartment defined by a planar exterior surface and a planar interior ...

CN104868825A

The invention discloses a solar container system which comprises a highly-efficient photovoltaic assembly, a storage battery, a solar hot-water supply and power generation system, an inverter, a ...



TAX FREE

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled

US20130233755A1

An ISO approved shipping container has a spatially rotated, molded thermoplastic polymer container shell and encapsulated by a load hearing structural exoskeletal steel container framework. The ...

Solar Still Patents (Class 203/DIG1)

Abstract: A solar still of the type having a container for holding a supply of liquid to be evaporated and an inclined solar transmissive cover mounted in an inclined position thereon, is ...



US Patent Application for SOLAR ENERGY INTERMODAL CONTAINER ...

The at least one plug receptacle is electrically coupled to the battery. The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply ...

Solar gravity engine (Patent) , OSTI.GOV

A solar or thermal gravity engine includes a conduit extending substantially vertically from ground level upward into the atmosphere including a plurality of valves in the walls of the conduit at various ...



Patents for gravity energy storage

Thus, in summary, while the concept of gravity based storage is relatively simple, patent protection is available when problems encountered in the development of effective and efficient ...





US8341961B2

A solar desalination system for creation of desalinated water from seawater that produces electricity includes: a) a solar furnace unit including a vessel for receiving and evaporating seawater to create ...



US8011182B2

The vertical gravity/buoyancy power generator relates to the generation of power by harnessing the gravitational and buoyant forces which act on an apparatus in a liquid medium and converting such ...

Lightweight And Collapsible Or Foldable Patents (Class 136/245)

Abstract: A solar panel container unit comprising: one or more photovoltaic (PV) solar arrays each comprising a photovoltaic solar panel, and wherein the PV solar panel comprises a ...



Gravity field energy storage and recovery system

Invention defines a method and apparatus for storing energy where a power source is used to reposition a mass in a gravitational field to a position of higher potential energy where the stored potential ...



Gravity propulsion based on gravity induction principle

The gravity induction principle is based on the phenomenon of gravity induction that follows from the FDK theory. The gravity induction is a production of mass current as a result of a changing ...



Gravity Field Energy Storage and Recovery System

Invention defines a method and apparatus for storing energy where a power source is used to reposition a mass in a gravitational field to a position of higher potential energy where the stored potential ...

Which companies have patents for gravity solar container towers

Which companies have patents for gravity solar container towers As the photovoltaic (PV) industry continues to evolve, advancements in Which companies have patents for gravity solar container ...



US Renewable Energy Patents: What Toyota, GM, GE, IBM, And ...

The majority of the patents granted since 2009 have been in solar energy. Toyota emerged as the top patent holder with 800 renewable energy patents.



US Patent Application for Modular Gravitational Energy Storage ...

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 be called a gravity battery or a ...



US Patent Application for SOLAR ENERGY CONTAINER SYSTEM ...

The at least one plug receptacle is electrically coupled to the battery. The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply ...

US Patent Application for GRAVITY FIELD ENERGY STORAGE AND ...

The mass suspended in a gravitational field is coupled to an apparatus that can convert the stored potential energy. The locking mechanism is released and allows the force of gravity to deliver a ...



US8353167B2

The present invention relates generally to an environmentally friendly refrigeration unit and more particularly solar-powered refrigeration container that allows stored foods, beverages and other ...



US Patent Application for GRAVITY MOTOR AND ENERGY ...

US 20160084236 describes a Gravity Field Energy Storage & Recovery System invention, which is a mechanical, electrical and electronic system that has the ability to harness any electrical or ...

HEAT DISSIPATION

Cold aisle containment,
making optimal refrigeration effect;



U.S. Patent Application for Gravity-Based Energy Storage System Patent

An energy storage system and method that enables gravity-based energy storage to have a significantly larger capacity in a single shaft for given capital cost and thus an improved cost ...

US7573147B2

A system and method for a gravity-driven powered generator having at least one envelope filled with a buoyant gas is provided. The gas containing envelope has an escape valve allowing a portion of the ...



U.S. Patent Application for Solar Powered Refrigerated Container Patent

The present invention relates generally to an environmentally friendly refrigeration unit and more particularly solar-powered refrigeration container that allows stored foods, beverages and other ...



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