

# Patent protection for underwater solar container system





## Overview

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US20140183869 - Method and apparatus for using wind energy or solar energy for an underwater and/or for an under seabed compressed air energy storage system. The present invention relates to the field of solar power generation substrates and systems, and more specifically relates to a solar panel protective container apparatus and system configured to protect solar panels from damage caused by storms exhibiting high winds and airborne debris. Further, 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 surface and a battery stored in the compartment of the base. A plurality of solar panels are operably connected to a motor (2) and a mass (3) attached to the motor (2). The invention further relates to a wind farm (30) comprising the underwater energy storage system. The status is an assumption and is not a legal conclusion. Google has not performed a legal analysis and makes no representation as to the accuracy of the text. US20140183869 - Method and apparatus for using wind energy or solar energy for an underwater and/or for an under seabed compressed air energy storage system. The invention uses wind turbine and/or solar energy to enhance the efficiency of an underwater and/or underwater in-soil bed of a compressed air energy storage system. Description Technical Field of the Invention [0001] The present invention generally relates to underwater energy storage. More specifically it relates to an underwater energy storage system comprising a container where energy is stored by transporting water between the container and a body of water. 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 combiner box, a photovoltaic control optimizer, a seawater desalination system, a freshwater.



## Patent protection for underwater solar container system

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### 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 ...

### 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 ...



### WO2019182458A1

An underwater energy storage system comprising a container where energy is stored by transporting water between the container and a body of water, is disclosed. 5 The container comprises a water- ...

### US Patent Application for SOLAR ENERGY INTERMODAL ...

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 ...



### U.S. Patent for Underwater energy storage system Patent (Patent

An underwater energy storage system comprising a container where energy is stored by transporting water between the container and a body of water, is disclosed. 5 The container ...



### KR102331609B1

The underwater photovoltaic power generation system for a roof according to the present invention, in the underwater photovoltaic power generation system for a roof installed on the roof of a building, ...



### Underwater energy storage system and power station powered therewith

An underwater energy storage system includes a tank for storing a compressed gas that is adapted to be stored underwater. The tank includes at least one water opening through which water from ...





### **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 ...



### **US20250070710A1**

the present invention relates to the field of solar power generation substrates and systems, and more specifically relates to a solar panel protective container apparatus and system configured to protect ...

### **KR102772852B1**

The present invention relates to an eco-friendly solar container system that can be installed without a separate permit in a container space to which an independent solar power generation system is ...



### **KR20120014820A**

The present invention relates to a container ship having a photovoltaic device, and more particularly to a container ship having a photovoltaic device that can reduce the cost per unit power by producing ...



## SOLAR PANEL PROTECTIVE CONTAINER APPARATUS AND SYSTEM

The present invention relates to the field of solar power generation substrates and systems, and more specifically relates to a solar panel protective container apparatus and system configured to protect ...



## Solar Energy Type Patents (Class 136/206)

An anchoring system maintains positional stability using concrete blocks interconnected by plastic-coated stainless-steel wires. A bi-facial solar photovoltaic panel is supported by the cross ...

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An underwater energy storage system comprising a container where energy is stored by transporting water between the container and a body of water, is disclosed. 5 The container comprises a water- ...



## Solar-powered refrigerated container

[0065] As stated above, the solar-powered container 10 of the present invention is not only powered by the solar energy gathered by the solar collector 26, but it also has an internal ...



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