

## European Solar and Energy Storage Solutions

# Foreign photovoltaic bracket patent structure



## Overview

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A photovoltaic bracket comprises a support component, wherein the support component is composed of at least two support structures; the rope assembly consists of three ropes which are erected.

voltaic assembly support system has a simple structure, is easy to assemble and disassemble, and does not require an additional supporting component such as an up-right post, thereby reducing the installation difficulty, saving the manufacturing cost, and improving the working efficiency of installing a photovoltaic assembly body.

The utility model discloses a photovoltaic bracket, which comprises a fixing mechanism, a supporting and adjusting mechanism and a reinforcing mechanism, wherein the fixing mechanism comprises.

A solar module mounting bracket assembly includes a rail configured to support a solar module thereon, and a pair of braces. The braces each have a first end portion movably coupled to the rail. The braces are movable relative to the rail between a collapsed configuration and an expanded configuration. What are the patents on photovoltaic cells?

The patents on photovoltaic cells are concentrated in the area of semiconductors for the conversion of solar radiation into electric energy, in the area of generators for the direct conversion of light energy into electric energy and in the area of solar panels adapted for roof structures.

What is the technological knowledge basis of photovoltaic-thermal system?

The technological knowledge basis of this route is constituted by patents on solar cells with an integrated diode and bypass method, passing through photovoltaic panels with individually articulated concentrating elements and patents on receivers for concentration of photovoltaic-thermal systems. 5.2.4.

What is solar module mounting bracket & assemblies?

EPT is US20140202525A1 “Solar module mounting bracket and assemblies” whose objective was to develop a type of support for mounting solar modules on the surface, with part of the foot affixed to the wall and the support configured to be attached to the foot and to fix the structure from the rail support.

Which country has the most patent documents on photovoltaic cells?

The evolution of the total number of patent documents on photovoltaic cells per country in the period from 2004 to 2013 is shown in Fig. 7. It can be seen that the first two positions are occupied by the United States and China respectively, followed by Japan, Germany and South Korea. Fig. 7.

What is the IPC GI for photovoltaic patents?

As search criteria, photovoltaic (PV) patents applied from 1998 to 2017 were selected and whose classification (IPC) are related to green technologies according to the IPC Green Inventory (IPC-GI) available on the WIPO (World Intellectual Property Organization). Such IPC of PV green technologies are shown in Table 2.

How has photovoltaic technology developed over the last 30 years?

Photovoltaic technology has developed rapidly over the last thirty years. The main activities of photovoltaic patents began in the late 1950s and the main photovoltaic patent assignees at that time were involved in the space business , . Patent data has been widely used in technology assessment and forecasting , , , .

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### ?Powerway?global innovative pv system solution provider

Powerway Renewable Energy Co., Ltd. is a company dedicated to becoming a global innovative photovoltaic system solutions provider. As a leading supplier and manufacturer of photovoltaic ...

### Solar mounting system- AKCOME Group-Starting an Internet Era ...

The annual production capacity of AKCOME solar mounting system is 4G, which is in the forefront of China's PV mounting bracket industry. AKCOME has always paid attention to product ...

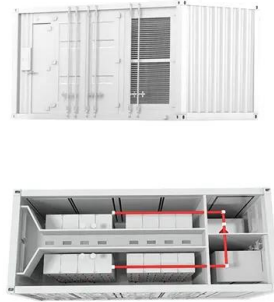


### US Patent for Rooftop mounting system for flexible photovoltaic ...

A system for mounting flexible photovoltaic (PV) modules on ribbed rooftops (e.g., purlin bearing rib-style roofs) may include a pair of mating mounting brackets, one affixed to ...

### About Us-Suzhou ShareSun Photovoltaic Technology Co., Ltd.

A solar roof structure and its installation method and building (BIPV) Patent number: ZL 2017 1 0222355.9; A track for photovoltaic supports Patent number: ZL 2016 2 0587693.3; A press ...



## Photovoltaic Panel Manufacturer, Solar Mounting System, Solar Bracket ...

Its main business includes various photovoltaic fixed ground mounting structure, aluminum mounting structure, tracking system, carport, BIPV structure, flexible mounting bracket and ...

## China Solar Mounting Structure, Solar Tracker, Solar Accessories

As a global leader in the photovoltaic system industry, the company focuses on R& D, design, production, engineering installation services and system solutions of support structure ...



## Solar photovoltaic panel cooling system and method

2013-08-30 Priority to US14/015,491 priority Critical patent constantly removes dust or prevents dust from being accumulated on the solar PV panels, removes other foreign particles from the ...

Higher Anti-Rust Performance  
Lower Internal Impedance

16mm  
6.71in/172mm  
13.07in/332mm  
8.66in/220mm

LiFePO4 Battery  
12V 100Ah  
Lithium Iron Phosphate Deep Cycle Battery  
Made in China

Sturdy Handle  
Insulating Cap  
ABS Case  
M8 Terminal

## ????(??)???????, Balcony Solar Mounting ...

Small size, space saving : It is convenient to install a single photovoltaic panel, and the installation space can be adjusted according to the size of the module. Easy installation : The bracket accessories are small and simple, highly pre ...



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## Photovoltaic solar panel mounting bracket for glass curtain wall

Technical problem to be solved by this invention is for above-mentioned deficiency of the prior art, provides a kind of glass curtain wall photovoltaic solar panel mounting bracket. This mounting ...



## Structure design and analysis of integrated photovoltaic power ...

Under three typical working conditions, the maximum stress of the PV bracket was 103.93 MPa, and the safety factor was 2.98, which met the strength requirements; the hinge joint of 2

rows ...



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