

Photovoltaic bracket patent



Overview

The present invention relates to a mounting system for photovoltaic panels comprising a multipurpose bracket. The bracket comprises a photovoltaic panel supporting frame and a plurality of lower supporting frames, wherein each lower supporting frame has a base, a first upright column, a second upright column and a diagonal brace; each first upright column. Photovoltaic modules as one of the core products that utilize solar energy, are currently being favored by people. Photovoltaic modules are usually installed on a bracket system, so that the bracket system can support the photovoltaic modules so that the photovoltaic modules can be at a certain angle. A photovoltaic bracket and a photovoltaic system, belonging to the technical field of photovoltaic mounting. The photovoltaic bracket comprises a bracket body and a connecting assembly; the bracket body is used for bearing a photovoltaic module to be mounted; the bracket body is provided with a. Disclosed in the present invention is a flexible photovoltaic tracking bracket, comprising: base structures fixed on the ground at intervals; beam structures mounted on the base structures; driving devices mounted on the beam structures and driving the beam structures to rotate about an axis; cable. (57) Provided is a photovoltaic assembly support system. Multiple lower connecting members are provided, and are arranged on the support body.



Article Content

WO/2025/020215 PHOTOVOLTAIC TRACKING BRACKET SYSTEM

A photovoltaic tracking bracket system, comprising a main shaft (1), a synchronous shaft (2), a driving source (3), and transmission mechanisms (4). The main shaft (1) has a cavity (10).

Support bracket of photovoltaic panel

In order to facilitate an operator to adjust the angle of the photovoltaic panel and further adjust the angle of the photovoltaic panel so as to adapt to illumination angles of different areas, the utility model

U.S. Patent for Flexible photovoltaic bracket with improved module ...

Existing flexible brackets for photovoltaic modules have fixing assemblies, such as fixing connecting rope structures. For example, Chinese Patent CN218243396U discloses a fixing assembly including

MOUNTING SYSTEM FOR PHOTOVOLTAIC PANELS

In particular, the present invention relates to a mounting system comprising a bracket of the type used for installing a photovoltaic panel on a ballast-type support.

US10469024B2

Photovoltaic module assemblies are mounted onto a solar tracker array torque tube via photovoltaic module brackets. The photovoltaic module brackets provide for stacking photovoltaic module

WO2023134035A1

The present application relates to the technical field of photovoltaic brackets, and discloses a flexible photovoltaic bracket and a photovoltaic array. The flexible photovoltaic bracket comprises: a plurality

U.S. Patent for Tracking type flexible photovoltaic bracket Patent ...

A tracking type flexible photovoltaic bracket is provided, including photovoltaic assemblies, pillars, a driving member, direction-changing mechanisms, and two pulling ropes. Each of the pillars is

WO/2025/208849 PHOTOVOLTAIC BRACKET AND

WO2025208849 - PHOTOVOLTAIC BRACKET AND PHOTOVOLTAIC SYSTEM. A photovoltaic bracket and a photovoltaic system, belonging to the technical field of photovoltaic

CN220173138U

The utility model discloses a solar photovoltaic panel bracket which comprises a guide rail, a connecting rod, a first purline, a second purline and supporting legs; the guide rails are at least provided with two

WO/2025/208849 PHOTOVOLTAIC BRACKET AND PHOTOVOLTAIC

A photovoltaic bracket and a photovoltaic system, belonging to the technical field of photovoltaic mounting. The photovoltaic bracket comprises a bracket body and a connecting

Tianhe Solar was granted a utility model patent: "Locker and ...

Patent Abstract: This application relates to a locker and a photovoltaic bracket applied to a photovoltaic bracket. The locking device includes a driven part, a driving part and a locking part.

WO/2025/200199 FLEXIBLE PHOTOVOLTAIC TRACKING BRACKET

The flexible photovoltaic tracking bracket can prevent the photovoltaic modules from being twisted under the action of positive pressure, and overcome eccentric torque caused by deadweight

U.S. Patent for Flexible photovoltaic bracket with improved module ...

An object of the present disclosure is to provide a flexible photovoltaic bracket, which has beneficial effects of being easy to install, stable and reliable, and avoiding tearing of a photovoltaic module.

Photovoltaic module mounting system (Patent) | OSTI.GOV

The photovoltaic modules are secured in place via the use of attachment clamps that grip the edge of the typically glass substrate. The panel mounting clamps are then held in place by tilt

BRACKET SYSTEM FOR PHOTOVOLTAIC MODULE

The photovoltaic assembly support system mainly includes a support body, a lower connecting member and an upper connecting member. Multiple lower connecting members are provided, and are

U.S. Patent for Purlin, purlin assembly and photovoltaic bracket Patent ...

The prior art provides various photovoltaic brackets and components. For example, US patent published as U.S. Pat. No. 11,527,988B2 discloses a mounting bracket assembly.

Photovoltaic bracket and arrangement method of purlines in

The embodiment of the invention discloses a photovoltaic bracket and an arrangement method of purlines in the photovoltaic bracket.

Bracket system for photovoltaic module

The present application relates to a bracket system for a photovoltaic module. The bracket system of the photovoltaic module mainly comprises a bracket body, lower connecting

Utility pole mounted solar panels and securing brackets

In U.S. Pat. No. 8,097,980 by Cyrus et al, entitled "Distributed solar power plant and a method of its connection to the existing power grid," the teachings and contents which are

BRACKET SYSTEM FOR PHOTOVOLTAIC MODULE

The photovoltaic assembly support system is configured to support a photovoltaic assembly body. The photovoltaic assembly support system includes a support body, multiple lower

WO/2024/114188 PHOTOVOLTAIC SYSTEM AND FLEXIBLE BRACKET

A photovoltaic system and a flexible bracket (1) thereof. The flexible bracket (1) comprises: at least two support members (10) spaced in a first direction, wherein component cables

CN106712674A

According to the photovoltaic bracket, angles of photovoltaic panels can be adjusted to be matched with the optimal illumination angle through adjusting directions of the first upright columns and directions

Foldable photovoltaic bracket

The foldable photovoltaic bracket has small occupied area and convenient disassembly and assembly, can block rain and snow, and reduces the damage rate of a photovoltaic panel.

US Patent Application for SOLAR MODULE MOUNTING BRACKET

More specifically, the present disclosure relates to mounting brackets for coupling solar modules to a framework. 2. Background of Related Art Solar mounting systems are provided to support and couple

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