

A solar tracking device for causing a solar collector to track the sun during the course of the ...

A solar tracking device for causing a solar collector to track the sun during the course of the day and for automatically reorienting the collector to the east at the end of the day. The device (11) ...

The U.S. Department of Energy's Office of Scientific and Technical Information

The first patent filed for a commercial solar tracker dates back to 1980, ... The solar tracker device is constructed in an aluminum frame, with height adjustable by screw on a ...

An improved solar tracking arrangement is provided for directing a solar energy collector to face the sun. An electrical control mechanism is provided to detect misalignment of the collector as ...

A solar tracking device that uses thermal actuation to rotate a solar energy device to track movement of the sun for improved solar energy output of the solar energy device. Thermal...

The method may include plotting a trajectory of future orientation positions over time of the set of solar power units that include an orientation and time corresponding to the ...

This kind of solar tracker may in turn be divided into three basic types: 2.4.1 Polar-mount dual-axis trackers 2.4.2 Rotating platform dual-axis trackers 2.4.3 Parallel kinematic trackers 2.4.1 ...

A solar tracking device that uses thermal actuation to rotate a solar energy device to track ...

In this invention, a dual-axis solar tracker is presented to increase the energy produced by solar panels. The control strategy of this tracker is based on a hybrid of both astronomical...

A solar tracking device having a plurality of reflector banks for reflecting the sun rays onto collector tubes and heating a fluid circulated therethrough. The reflector banks synchronized to ...

A solar tracker device continuously captures sun rays to be redirected towards a target The device includes a mirror defining a center point and fixedly mounted to a heliostat, an imaging ...

A solar tracker that operates on the principles of elementary science and engineering, sans the use of complex processes and programming, can be built with ease, ...

A solar tracking system is disclosed, utilizing a photovoltaic device, for following the changing solar position.

When the sun ceases to be the brightest object in the sky, such as during...

A solar tracking device that uses thermal actuation to rotate a solar energy ...

The method may include plotting a trajectory of future orientation positions ...

Solar tracking system - Download as a PDF or view online for free. Submit Search. ... A Solar tracker is a device used for orienting a solar photovoltaic panel or lens towards the sun by using the solar or light sensors ...

Patent: Solar tracking device. Solar tracking device. Patent #183; Tue Sep 16 00:00:00 EDT 1980. OSTI ID: 6944473 Dorian, M E; Nelson, D H. An improved solar tracking arrangement is ...

What are the Cons of a Solar Tracker? High Cost: Solar tracking devices are a bit more expensive. They have a high initial cost as they have moving parts. More ...

The utility model belongs to solar automatic-tracking equipment and particularly relates to a solar automatic-tracking device based on a GPS (Global Positioning System) and a light-sensitive ...

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