

Dadao Xinneng applies for a patent for photovoltaic bracket

What is patent and network analysis in Chinese PV innovation system?

It is worth mentioning that the paper is highly descriptive. It uses patent and network analysis to delve into the Chinese PV innovation system with great technical detail. Patent and network indicators map the main actors driving technological catching-up along with their interactions.

Is China a late-comer innovator in the PV industry?

Considering that China is a late-comer innovator in the PV industry, the paper applies patent and network analysis to shed light on the technological path underlying China's industrial development and the accumulation process of domestic innovation capabilities in the field.

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.

Can patent data be used to study technological collaboration and knowledge flows in China?

Recent contributions have adopted these type of patent indicators to study technological collaboration and knowledge flows in China in the PV sector [24, 40]. In this paper, the study of innovation capabilities accumulated in the PV field in China is mainly grounded on the analysis of patent data.

Why are photovoltaic cell patent registrations important?

Photovoltaic cell patent registrations are a valuable data set in the analysis and diffusion of PV technology and R&D activities. The dynamics of PV R&D activity is considered high, documented in a large increase in PV patent documents .

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 ,,,

The solar panel bracket needs to bear the weight of the solar panel, and its strength structure needs to ensure that the solar panel will not deform or damage[9, 10]. Based on this, this ...

In view of the existing solar panel blackout, affecting the ecological environment, unreasonable spatial distribution, low power generation efficiency, high failure rate, difficult to ...

In order to achieve the effective use of resources and the maximum conversion rate of photovoltaic energy,



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