

# **Analysis of patented solar container technologies**





## Overview

---

The results indicate that 1) the number of patents deposited on photovoltaic cells grows every year, 2) the main depositor countries are the United States, China, Japan, Germany and South Korea, 3) American and Japanese organizations stand out with the highest number of. 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. The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply energy to electric vehicles during transport of the container (s). The present application is a CIP application of and claims priority of U.S. patent application Ser. Various options of energy storage are described in patented solutions in the field of solar energy. They include such technologies as those using latent heat, molten materials, compressed air, and chemical reactions. In the pool of collected patent documents on solar energy storage, technical. For example, worldwide solar photovoltaic capacity had grown to 512 Gigawatts by the end of 2018 (representing 27% growth from 2017). 1 In 1956, solar panels cost roughly \$300 per watt. By 1975, that figure had dropped to just over \$100 a watt. Today, a solar panel can cost as little as \$0.50 a. Patent analytics leverages patent information to reveal innovation insights and trends in specific technology fields. It provides data-driven insights for strategic decisions in R&D, innovation policies, IP commercialization, and more. The biennial WIPO Technology Trends report, a flagship WIPO. The present invention.



## Analysis of patented solar container technologies

---

### 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 ...

### 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 ...



### ESS



### Microsoft Word

The Influence of Solar Photovoltaics Patents Funded by the U.S. Department of Energy's Solar Energy Technologies Office and Other DOE Offices Report prepared for: U.S. Department of Energy (DOE) ...

### SOLAR PANEL PROTECTIVE CONTAINER APPARATUS AND ...

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 ...



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

The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply energy to electric vehicles during transport of the container (s). Skip to: ...

### 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 ...



### Photovoltaic technologies: Mapping from patent analysis

Considering the development of technologies in photovoltaic cells and the increase on production of electric energy by the solar source [3], a question arises is: how is the technological ...



## Uncovering emerging photovoltaic technologies based on patent analysis

The theoretical gap lies in the opportunity to improve the prospecting studies, enabling an understanding of the trends in technologies for the development of solar PV energy through an ...



## Analysis on Patent Quality in New Energy Technology Field----A ...

Taking invention patents of China in wind and solar energy fields from 1985 to 2009 as the samples, and using the term of patent right as the measurement of patent quality, it makes a comparison study on ...

### CN104868825A

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 ...



## Advances in solar photovoltaics: Technology review and patent trends

The analysis shows that 95% of the PV patent applications were filed by inventors from seven countries: Japan, Korea, China, USA, Germany, Taiwan, and France. Most patents were filed ...



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.fundacja64.pl>