

# My country's patents for electrochemical solar container inventions account for

What can you find in Google Patents?

With Google Patents, you can search and read the full text of patents from around the world and find prior art in our index of non-patent literature.

What percentage of photovoltaic inventions are related to technology?

For the years 2020-2023, 48% of all inventions were related to device technologies, followed by applications (25%), photovoltaic materials (17%) and device management (10%). Over the past 15 years, patenting activity has increasingly shifted to China, mirroring its rise as a leader in photovoltaic manufacturing and deployment.

How many patent documents can I search using patentscope?

Using PATENTSCOPE you can search 125.1 million patent documents including 5.3 million published international patent applications (PCT). Detailed coverage information PCT publication 46/2025 (November 13, 2025) is now available here. The next PCT publication 47/2025 is scheduled for Thursday, November 20, 2025. [More](#)

Are China's photovoltaic patents growing?

Although international patent families (IPFs) have declined since 2012, patent filings in China surged nearly six-fold since 2010. By 2022, China accounted for 80% of all new photovoltaic inventions worldwide.

Which country has the most patent applications in 2023?

In a ranking of patents by country, China leads with a total of around 1,619,268 international (PCT) patent applications filed in the year 2023, followed by the United States and Japan. The top ten countries account for more than 88% of all applications filed annually, as of 2021 statistics. [What Is a Patent?](#)

What are some examples of patented inventions in the Netherlands?

The Netherlands Patent Office receives 2,500 to 3,000 applications a year. Examples of patented inventions include the multifunctional pushchair that can be adjusted to diverse angles, the storm-proof umbrella Senz, the Senseo coffeemaker, the clap skate, and Dutch crispbakes (beschuit) with indentations.

This patent search tool allows you not only to search the PCT database of about 2 million International Applications but also the worldwide patent collections. This search facility features: ...

In 2011, 2,100 applications for patent families relating to electrochemical energy storage could be attributed to Asian developers; 530 to European, and only 410 to US developers.

A recent report showed that China had secured top spot in terms of global patent filings in 2021, way ahead of all other countries, which highlighted its strong impetus in building an ...

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After this "unitary patent" enters into force, separate patents will only be required for Spain and Croatia. Getting a patent revoked Someone who considers that your ...

Inventions with high technological and economic values are usually protected through patent filings. Since patents act as a bridge between successful innovative activities and markets, the ...

Within the patent system, as an important method for encouraging green inventions, expedited patent examination programs for green inventions have been implemented by certain ...

The majority of the patents granted since 2009 have been in solar energy. Toyota emerged as the top patent holder with 800 renewable energy ...

Since 2005, patent filings covering technologies for hydrogen production through electrolysis of water have grown on average by 18% each year. The report looks ...

This is achieved in a multi-layer absorbing Fabry-Perot (FP) cavity, namely a thin-film amorphous silicon solar cell. Omni-resonance is achieved across a bandwidth of 80 nm in the near-infrared (NIR), thus ...

Also, in another invention, a novel connecting element is introduced to connect two electrolytic cell stacks electrically and mechanically [14]. This invention eliminates a ...

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There is a long way for solid-state batteries from the laboratory to large-scale application and commercialization. To overcome a series of challenges, researchers and innovators seek to ...

Cooperative Patent Classifications (CPCs): These are commonly used to represent ideas in place of keywords, and can also be entered in a search term box. If you're searching for seat belts, you could ...

Newly granted patents for solar cell architecture that reduces silver costs could see the new technology draw closer to commercialisation.

Strategic management of patents on electrochemical conversion fuel cells and batteries in Latin America as a mechanism for moving towards energy sustainability

From 2017 onwards, a single patent will apply to the Netherlands and throughout the EU. After this "unitary patent" enters into force, separate patents will only be ...

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National intellectual property offices grant exclusive rights to inventors for novel inventions in the field of sustainable power generation, such as solar, wind, hydro, geothermal, and ...

The new report tracks the evolution of patent filings over the last 15 years and highlights several trends, including: In 2016, the number of patent ...

Our patent dataset also demonstrates the wide-ranging extension of international patents in the solar PV industry: while the patents for solar PV technologies mainly originate from five ...

However, despite the notable growth in the number of green patents, China's green patent system still faces numerous challenges, particularly in terms of examination scope, ...

Abstract: The present invention is aimed at providing a float aggregate which can be manufactured at low cost and has countermeasures against wind pressure suitable for use on water.

Compared to previous research on technology competition only on the number of patents, this paper developed indicators of patent imports and exports at the country level to mine the ...

Patent documents provide a strong source for e.g., which countries, institutes, and companies are investing in different technologies and to what extent. Information contained in patent ...

Although international patent families (IPFs) have declined since 2012, patent filings in China surged nearly six-fold since 2010. By 2022, China ...

The findings consider information on some 340 000 inventions, including 70 000 international patent families, spread across four areas: ...

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Web: <https://www.cuddably.co.za/contact-us/>

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