

Solar company with 130 patents

How many patents does complete Solaria have?

The acquisition of Complete Solaria's solar panel patent portfolio adds to the over 130 granted patents and over 80 pending patent applications for fundamental shingled solar cell panel technology.

What patents do solar companies have?

They include Schott Solar, SunPower and PowerLight patents for PV mountings and shingles, a Stanford patent describing a bi-level contact PV cell, a DOE patent for multi-junction PV cells, and Abacus Controls and MRIGlobal (National Renewable Energy Laboratory) patents for PV power management and storage.

How many SunPower patents are there?

The list is headed by three SunPower patents, including patents describing back contact solar cells (US #7,468,485) and solar cell installations (US #8,158,877). Each of these patents has been cited by more than ten times as many subsequent patents as expected.

How many solar patent families are there?

This patent family is linked to 85 subsequent patent families assigned to the leading PV organizations. These include Canon patents describing solar modules, IBM patents for solar concentrators, and Total SA patents related to solar panel installation.

Who owns a solar cell patent?

This SETO-funded family (whose representative patent is US #5,053,083) is assigned to Stanford University. It describes bi-level contact solar cells, and is linked to 238 PV patent families assigned to leading organizations. These include patent families owned by eight of the ten leading organizations (i.e. all except Merck and Fuji Film).

Which patent family describes back contact solar cells?

This family (representative patent US #7,863,084) describes back contact solar cells. It is linked to 18 earlier SETO-funded patent families, including MRIGlobal patents for CIGS cells, Stanford patents describing bi-level PV cells, and Sandia patents outlining solar cell encapsulation.

Solar manufacturer Moxon Solar Technologies has acquired selected assets from California-headquartered solar company Complete Solaria. ... adding to the over 130 granted patents and over 80 ...

For instance, a 2020 World Intellectual Property Office study found that over half of renewables-related patent applications were in relation to solar, with the next highest proportion (roughly 25%) relating to wind. ... The solar company would then develop and protect its own in-house know-how around design optimisation - what factors to ...



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SHANGRAO, China, Feb. 6, 2024 /PRNewswire/ -- JinkoSolar Holding Co., Ltd. ("JinkoSolar" or the "Company") (NYSE: JKS), one of the largest and most innovative solar module manufacturers in the world, today announced its affiliated company has recently signed a TOPCon patent license agreement with one of the world's top five solar ...

By targeting these two major companies with the TOPCon patent lawsuit, Trina Solar has intensified the patent battle in the U.S. photovoltaic market. In addition to Trina Solar, TCL Zhonghuan's overseas subsidiary, Maxeon, has also initiated multiple rounds of TOPCon patent litigation in the U.S.

The acquisition of Complete Solaria's solar panel patent portfolio adds to the over 130 granted patents and over 80 pending patent applications for fundamental shingled solar cell panel technology. Mulligan noted that Maxeon designs and manufactures globally, and plans to use the shingled solar cell technology in its the cell and module ...

Maxeon Solar Technologies announced it is purchasing certain assets from SolarCA, a subsidiary of Complete Solaria. These include Solaria's dealer channel operations and contracts, as well as Solaria's solar panel patent portfolio.

6 days ago; Patent Analysis. First Solar has 1621 patents globally, of which 616 have been granted, and more than 34% of patents are active. US6959517B2 is the most popular patent in the First Solar portfolio. It has received 330 citations so far from companies like Powermount Systems, GE, and Zep Soar.

Abstract: A variety of methods for integrating an organic photovoltaic-based SolarWindow(TM) module and electrochromic materials to create dynamic, variable transmittance, energy-saving windows and/or window films are described. Stand-alone or building integrated, independent or user-controllable, battery supported or building integrated, and insulated glass ...

PV Tech has been running PV ModuleTech Conferences since 2017. PV ModuleTech USA, on 17-18 June 2025, will be our fourth PV ModuleTech conference dedicated to the U.S. utility scale solar sector.

In a U.S. patent application, a little-known Maryland inventor claims a stunning solar energy breakthrough that promises to end the planet's reliance on fossil fuels at a fraction of the current ...

The role of renewable energy in global power generation is growing -- particularly for solar power. Thanks to increasing innovation and decreasing costs, global solar capacity has doubled from 2018 to 2021. According to Nature Communications, solar power is currently on track to become the world's dominant source of power by 2050.. If you're innovating in the ...

In stage (E), the server 126 performs the system actions 130. For example, the server 126 can perform the actions 130 by sending a command to a device of the monitoring system through a signal to the control unit 116 over the long-range data link.



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patents into 14,582 patent families, with each family containing all patents resulting from the same initial application (named the "priority application"). o 112 CSP patents are confirmed to be ...

From pv magazine Global. Chinese solar module maker Trina Solar is actively trying to determine whether other manufacturers are currently violating some of its patents for TOPCon solar cell technology. "In Trina's opinion, it is necessary to create a fair ecosystem in which intellectual protection plays an important role," Álvaro García-Maltrás, Trina Solar's ...

First Solar says it is evaluating potential infringement of its patents for its tunnel oxide passivated contact (TOPCon) tech, secured through the acquisition of TetraSun in 2013. The US thin-film solar module manufacturer has not named the companies involved or given a timeline for the investigation.

And with nearly 40 years of dedicated solar experience, we're the only U.S.-based solar company that's been around longer than our 25-year warranty. ... SunPower has received more than 1,000 patents for solar innovation. History. Our History. Leadership Team. Our Leadership. Sustainability. Sustainability. Investor Relations. Investors. Press ...

The two Trina Solar patents disclose a solar cell that uses an isolation portion and a tunnel layer to, according to the patents, improve efficiency. ... According to the "104 patent, the anti-reflection layer 130 can reduce light reflection on the front surface of the semiconductor substrate 100, thereby improving the efficiency of the solar ...

(JinkoSolar, 6.Feb.2024) -- JinkoSolar Holding Co., Ltd. (NYSE: JKS) announced its affiliated company has recently signed a TOPCon patent license agreement with one of the world's top five solar cell companies ("Licensee"), granting rights to certain of its N-type TOPCon related patents to Licensee for a fee, allowing Licensee to use certain JinkoSolar's patented TOPCon ...

First Solar did not identify the companies infringing the patents. The company added that it firmly "believes in the value and strength of the patents and plans to conduct a thorough ...

Intellectual Property. We have been quiet over the past twenty years, but we have been very busy. NanoFlex's sponsored research programs with the University of Southern California, the University of Michigan, and Princeton have resulted in an extensive intellectual property portfolio covering materials, architectures, and fabrication processes for organic flexible, thin-film ...

SolarLogic is one of several New Mexico companies or individuals that, combined, were granted 130 patents on solar ideas and another 18 for wind energy inventions since 1976, most in the ...

Finally, this transaction will allow Maxeon to consolidate two major shingled-cell IP portfolios, adding to the over 130 granted patents and over 80 pending patent applications for fundamental ...



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130 North Haddon Avenue Haddonfield, NJ 08033 June 2021 An Analysis of the Influence of SETO-funded Concentrating Solar Power Patents Report prepared by 1790 Analytics LLC ... Figure 16 - Percentage of Leading CSP Company Patent Families Linked via Citations to Earlier

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First Solar has 1621 patents globally, out of which 616 have been granted. Of these 1621 patents, more than 34% patents are active. ... Company is a provider of solar photovoltaic (PV) systems. It designs, manufactures and sells PV solar modules. As of May 2023, First Solar has a market cap of \$21.74 Billion. ... 130: 60: 2013: 136: 53: 2012 ...

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A solar panel arrangement for capturing solar energy and supplying power for use in a building. Solar cells are embedded in a window pane and generate electrical direct current that is converted, by an electrical circuit permanently attached to the pane, to an oscillating current that is fed to a ferrite core mounted to the pane. An external ferrite core is mounted in close ...

4 days ago; The investigation stems from a complaint filed by Trina Solar, alleging that Runergy Alabama and other entities have infringed on U.S. Patent Nos. 9,722,104 and 10,230,009 related to TOPCon solar cells and modules.

patents filed in three systems: the U.S. Patent & Trademark Office (U.S. patents); the European Patent Office (EPO patents); and the World Intellectual Property Organization (WIPO patents). ...

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