

Solar cell technology has seen exponential growth over the last two decades. It has evolved from serving small-scale niche applications to being considered a mainstream energy source. In this article, Finnegan attorney ...

A provided cover glass for a solar cell panel has excellent transparency, and minimal incidence so-called "glass surface turbidity" due to reactions with components contained in a glass substrate. The cover glass for the solar cell panel comprises: the glass substrate including a surface; and a transparent protective film containing zinc telluride for coating the surface.

U.S. patent number 10,973,129 [Application Number 16/258,808] was granted by the patent office on 2021-04-06 for application of electrical conductors of a solar cell. This patent grant is ...

According to news released on January 6, the latest data from the CNIPA reveals that China currently leads the world in the number of patent applications for solar cells, with a total of 126,400 applications. This accomplishment underscores China's ...

This application for letters patent is related to and incorporates by reference provisional application Ser. No. 60/544,651, titled "Multi-Function Solar Cell in Authentication Token," and filed in the United States Patent and Trademark Office on Feb. 13, 2004.

Patent number: EP2787541 - Solar cell; Proceeding type: Proceeding Action/Application: Infringement Action Defendants: Astronergy GmbH Represented by Phillip Rektorschek Astronergy Europe GmbH Represented by Phillip Rektorschek Chint New Energy Technology Co., Ltd. Represented by Phillip Rektorschek Astronergy Solarmodule GmbH Represented by ...

Perovskite solar cells (PSCs) have reached certified 25.5% power conversion efficiency (PCE) for single-junction devices. One strategy to further improve the device PCE is to use a tandem configuration where absorbers with two different bandgaps are paired to improve the utilization of solar light. ... The patent or application file contains at ...

Based on the understanding of solar cell technology, IPRdaily, a leading global intellectual property (IP) technology media focusing on IP services and the IP industry ecosystem, confined the relevant keywords and classification numbers, sorted out the data on solar cell patents that were applied for and publicly disclosed globally from May 1, 2013, to April 30, ...

A method for generating electric power including the steps of: (a) preparing a solar cell having a condensing lens and a solar cell element, wherein the solar cell element includes an n-type GaAs layer, a p-type GaAs

layer, a quantum tunneling layer, an n-type InGaP layer, a p-type InGaP layer, a p-type window layer, an n-side electrode, and a p-side ...

Therefore, for solar cells, it is important to effectively absorb solar energy emitted from the sun, and to increase efficiency of the solar cell absorbing and using the solar energy from the sun. Referring to one exemplary embodiment of the solar cells found in the related art, FIG. 1 depicts a cross section view illustrating a related art thin film type solar cell 1 .

The solar cell further comprises a charge transport material 12 that fills at least some of the plurality of open-through pores 111 of the porous carbon material of the back electrode layer 11. ... Chinese patent application CN110752299 describes C-PSCs consisting of a transparent conductive oxide glass substrate, a hole blocking layer, a ...

Dye-sensitized solar cell (DSC) technology has grown into a massive field of research and development with a fast increasing number of scientific publications and patent applications. We have created a database for patents and patent ...

A promising solution to these issues is the next-generation solar cell developed in Japan, the "perovskite solar cell," and this year there have been several reports of companies working toward putting this technology to practical use. (*2, *3) Therefore, we investigated the trends in patent applications related to perovskite solar cells.

the patent layout strategy, of the TOPCon solar cell, will also affect the application of subsequent entrants. Therefore, it is worth studying the development trend of the ...

solar cell compound transport layer perovskite iodide Prior art date 2014-03-27 Legal status (The legal status is an assumption and is not a legal conclusion. Google has not performed a legal analysis and makes no representation as to the accuracy of the status listed.) Granted Application number US14/667,987 Other versions US9318270B2 (en Inventor

Number of Patents Number of patent applications for Jinko Solar's advanced technologies 0 900 600 300 TOPCon BC Perovskite 46 133 844 190 Energy storage They boast over 3500 global patent applications and 2000 patent grants, making them a leading company in the photovoltaic industry. Jinko Solar's patent applications and grants represent 56.9% ...

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