



# Three-dimensional solar power generation patent



## Overview

A solar power generation system for smart farms includes a three-dimensional (3D) optical filter window with a function of selectively transmitting light of wavelengths applicable to smart farms, and a solar power generation module provided to protrude. A solar power generation system for smart farms includes a three-dimensional (3D) optical filter window with a function of selectively transmitting light of wavelengths applicable to smart farms, and a solar power generation module provided to protrude. Priority date (The priority date 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 date listed. The systems are characterized by a plurality. Three-dimensional solar power generation systems have a plurality of solar panels configured to include pole and equator facing panels and, in various embodiments additional top and/or side panels that form a segmented and dome-shaped assembly. Back to full text Complete Patent Searching Database and Patent Data Analytics Services. The purpose of the present invention is to provide a three-dimensional solar power generation device.

## Article Content

Three-dimensional solar electrical generation ...

The systems have improved efficiencies particularly with respect to early morning and evening power generation that enable improved power densities on a given land area as compared ...

WO2021253118A1

Three-dimensional solar electrical generation systems and methods of deployment  
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KR20020074100A

After making a combination of these sub-modules to create a double-sided solar cell module and utilizing the double-sided solar cell module to develop the present invention "three-dimensional...

Patent application title: Three-Dimensional Solar Electrical Generation ...

Abstract: Three-dimensional solar power generation systems are described. The systems are characterized by a plurality of solar panels configured to include pole and equator facing panels and, ...

A three-dimensional solar power generation device

The purpose of the present invention is to provide a three-dimensional solar power generation device, which solves the problem that most of the angle adjustment units of the existing ...

U.S. Patent Application for THREE-DIMENSIONAL SOLAR POWER ...

Since shading occurs when a solar power generation panel is used in a smart farm to affect cultivation, there is a problem in that the solar power generation panel cannot be used on the roof of a smart farm.

US11990864B2

The systems have improved efficiencies particularly with respect to early morning and evening power generation that enable improved power densities on a given land area as compared to...

20230188088 Three-dimensional solar electrical generation systems ...

The systems have improved efficiencies particularly with respect to early morning and evening power generation that enable improved power densities on a given land area as compared to traditional ...

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Website: <https://www.lup.edu.pl>

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Phone: +48 512 478 936

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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