

Photoelectric conversion module sample



Overview

In this paper, we introduced an ultra-compact photoelectric converter array module fabricated with hybrid-integration microassembly process, the practical test results showed a good optical coupling and S-parameters over a wide frequency range. A photoelectric conversion module according to the present disclosure comprises: a substrate 1; a photoelectric conversion element 2; and a first sealing member 7, wherein the photoelectric conversion element 2 is sealed by the substrate 1 and the first sealing member 7, the first sealing member 7. (57) A photoelectric conversion module (10) includes photoelectric conversion elements (31,32) electrically coupled. The photoelectric conversion elements (31,32) each sequentially include first electrode (12), photoelectric conversion layer (15), and second electrode (18). The photoelectric. WO2024122182 - PHOTOELECTRIC CONVERSION MODULE The purpose of the present invention is to provide a photoelectric conversion module that has a bypass diode function and that will not lose flexibility.



Article Content

Mar 04, 2026

WO/2024/122182 PHOTOELECTRIC CONVERSION MODULE

The purpose of the present invention is to provide a photoelectric conversion module that has a bypass diode function and that will not lose flexibility.

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WO2024111643A1

Meanwhile, solar cell modules using organic photoelectric conversion elements (for example, organic thin-film solar cell modules and dye-sensitized solar cell modules) are also being considered.

Mar 25, 2026

Application of Photoelectric Conversion Technology in Photoelectric ...

Abstract The objective of this study is to investigate the use of photoelectric conversion technology in the process of creating enhanced photoelectric signal sampling systems using photoelectric conversion

Oct 25, 2025

PHOTOELECTRIC CONVERSION ELEMENT, DEVICE, AND

FIG. 9 is a schematic view illustrating an example of a power supply module where the photoelectric conversion element, a power supply IC for the photoelectric conversion element, and a

Jan 04, 2026

PHOTOELECTRIC CONVERSION MODULE, ELECTRONIC

To increase the output of this photoelectric conversion element, a module structure may be used where a plurality of photoelectric conversion elements are produced on the same substrate and are coupled

Jan 08, 2026

PHOTOELECTRIC CONVERSION ELEMENT, PHOTOELECTRIC CONVERSION MODULE ...

A photoelectric conversion element means an element that can convert light energy into electric energy or can convert electric energy into light energy, and is applied to, for example, solar cells and

Nov 07, 2025

WO/2023/132136 PHOTOELECTRIC CONVERSION MODULE

The photoelectric conversion element 2 may include, for example, a first electrode, a photoelectric conversion layer, and a second electrode in this order.

Oct 10, 2025

WO2023132136A1

The output of the photoelectric conversion module is obtained by applying light from a low-illuminance light source (fluorescent lamp, illuminance of 200 lx) and changing the voltage from...

Oct 09, 2025

US8742248B2

Conventional silicon solar cells may electrically connect a plurality of photoelectric cells via an interconnection unit. defective photoelectric cells among several tens of photoelectric cells may

Feb 04, 2026

Intro ev3

Photoelectric conversion is broadly classified into external photoelectric effects by which photoelectrons are emitted into the vacuum from a material and internal photoelectric effects by which

Jul 20, 2026

Device Design and Optimization

We develop highly efficient photovoltaic cells for use under laser radiation, also known as laser power converters or photonic power converters.

Oct 13, 2025

Photoelectric conversion module

The present invention provides an electric power generated by the photoelectric conversion module is used, e.g., dye-sensitized solar cell. In one aspect, the module comprising: a light-receiving

Feb 21, 2026

Laboratory 4 Photoelectric Energy Conversion

Introduction: Conversion of solar energy into electricity is a clean, sustainable way to meet the growing energy requirements of the world. The simplest, most common device for such a photoelectric

Apr 16, 2026

PHOTOELECTRIC CONVERSION DEVICE, ELECTRONIC DEVICE,

The photoelectric conversion device includes a sealing member on a non-facing surface side of one electrode selected from the first electrode and the second electrode, the non-facing

Sep 30, 2025

U.S. Patent Application for PHOTOELECTRIC CONVERSION ELEMENT MODULE

A photoelectric conversion element module (1) includes a plurality of photoelectric conversion elements (15) formed on a light-transmitting base plate (3). The photoelectric conversion elements (15) each

Sep 27, 2025

Photoelectric conversion module

The photoelectric conversion module, such as a dye-sensitized solar cell for generating electrical energy from light is disclosed. In one embodiment, the photoelectric conversion module is a light receiving

Sep 23, 2025

WO2009119426A1

For example, Japanese Patent Laid-Open No. 2006-59867 describes a photoelectric conversion header (photoelectric conversion module) used for optical transmission between LSIs, which includes a lead

Nov 05, 2025

Photoelectric Energy Conversion – Materials Science

Equipment Used Small area photovoltaic module (solar cell) with mask White light LED lamp Two DC power supplies Breadboard for circuits Decade (variable)

Feb 11, 2026

PHOTOELECTRIC CONVERSION ELEMENT, PHOTOELECTRIC

An electronic device, comprising: the photoelectric conversion module according to claim 12; and a device configured to be driven by electric power generated through photoelectric conversion of the

Mar 22, 2026

US8710356B2

A photoelectric conversion module, for example, a dye-sensitized solar cell, for generating electrical energy from light is disclosed. In one aspect, the module includes a light-receiving substrate, a first

Feb 26, 2026

A co-packaged photoelectric converter module | (2022) | Lyu ...

In this paper, we introduced an ultra-compact photoelectric converter array module fabricated with hybrid-integration microassembly process, the practical test results showed a good optical coupling

May 20, 2026

Photovoltaic Conversion

Abstract The photovoltaic conversion is based on the photovoltaic effect, that is, on the conversion of the light energy coming from the sun into electrical energy. To carry out this conversion, devices called

Dec 24, 2025

US8611704B2

For example, a photoelectric conversion module disclosed in Japanese Patent Application Laid-open No. 2010-10254 includes a flexible board, and on the flexible board, a light-emitting element or a light

Oct 29, 2025

Photoelectric conversion module

For example, each photoelectric cell S forms a serial connection or a parallel connection with neighboring photoelectric cells S via connection members, and is physically supported between

Sep 20, 2025

PC817 Optocoupler Module User Guide | Wiring & Setup

Complete PC817 optocoupler isolation module guide. Covers 3.6V–30V wiring, jumper settings, resistor selection, Arduino/ESP32/PLC

Dec 15, 2025

PHOTOELECTRIC CONVERSION ELEMENT, PHOTOELECTRIC CONVERSION

The photoelectric conversion element and photoelectric conversion element module of the present disclosure can high power generation performance not only with sun light but also with light of

Jul 05, 2026

PHOTOELECTRIC CONVERSION MODULE, ELECTRONIC

In particular, flexible photoelectric conversion elements have been expected to be highly efficient and also be applicable to, for example, wearable devices by virtue of their followability to variously curved

Oct 10, 2025

US8669515B2

a photoelectric conversion module adapted for 12-channel bidirectional communications(12 channels for transmission and 12 channels for reception) needs 48 connecting terminals for transmission and

Jan 03, 2026

Learn to Build a Photoelectric Sensor System Using an

With that background information in mind, this project will explore creating a specific electronic sensor, the photoelectric switch (also known as a

Aug 05, 2025

A co-packaged photoelectric converter module

In this paper, we introduced an ultra-compact photoelectric converter array module fabricated with hybrid-integration microassembly process, the practical test results showed a good optical coupling

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