

Title (en)
FLAT-PLATE PHOTOVOLTAIC MODULE

Title (de)
PHOTOVOLTAIKMODUL IN FORM EINER FLACHEN PLATTE

Title (fr)
MODULE PHOTOVOLTAIQUE EN PLAQUE PLATE

Publication
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Application
EP 09702762 A 20090121

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- US 2557008 P 20080201
- US 9164208 P 20080825
- US 3320008 P 20080303
- US 2223608 P 20080118
- US 2226708 P 20080118
- US 2227708 P 20080118
- US 3597608 P 20080312
- US 2224508 P 20080118
- US 2224008 P 20080118
- US 5848508 P 20080603
- US 11123908 P 20081104
- US 10134408 P 20080930
- US 11958508 P 20081203

Abstract (en)
[origin: WO2009092111A2] One example embodiment includes a PV module comprising a conductive backsheet, a non-conductive layer disposed on the conductive backsheet, a plurality of PV cells arranged in rows and collectively generating a first power output characterized by a first voltage, and a power conversion device. Each of the rows can include two or more PV cells. The PV cells within each row can be connected to each other in parallel. The rows can be connected in series. A top row can be connected to the conductive backsheet. The power conversion device can be redundantly connected to a bottom row and to the conductive backsheet to form a complete circuit. The power conversion device can convert the first power output to a second power output characterized by a second voltage that is larger than the first voltage. The power conversion device can also maintain peak power of the PV cells.

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H01L 31/042 (2006.01)

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Citation (search report)

- [I] US 2005121067 A1 20050609 - TOYOMURA FUMITAKA [JP], et al
- [A] US 2006185727 A1 20060824 - MATAN STEFAN [US]
- [A] US 2006225777 A1 20061012 - BUECHEL ARTHUR [LI]
- See references of WO 2009092111A2

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