

Title (en)  
PHOTOVOLTAIC DEVICE AND PRODUCTION METHOD

Title (de)  
PHOTOVOLTAIKANORDNUNG UND PRODUKTIONSVERFAHREN

Title (fr)  
DISPOSITIF PHOTOVOLTAIQUE ET PROCEDE DE FABRICATION

Publication  
**EP 2430668 A2 20120321 (FR)**

Application  
**EP 10723789 A 20100511**

Priority  
• IB 2010052090 W 20100511  
• FR 0902354 A 20090515

Abstract (en)  
[origin: WO2010131204A2] The invention relates to a photovoltaic device comprising at least one photovoltaic cell (60) provided with active thin layers (15) deposited on a substrate (10), said active layers being unsegmented, and at least one static converter (50) associated with each photovoltaic cell (60). Each photovoltaic cell (60) supplies an electrical power with a maximum current (I<sub>cc</sub>) and a nominal voltage (V<sub>p</sub>), and each static converter (50) is adapted in such a way as to transmit the electrical power supplied by the photovoltaic cell towards a load (100), reducing the transmitted current and increasing the transmitted voltage. The laser segmentations of the photovoltaic cells are thus limited, or completely eliminated, on a same panel. The yield of the photovoltaic device production is thereby improved and the dead surfaces are limited.

IPC 8 full level  
**H01L 31/042** (2006.01); **G05F 1/67** (2006.01); **H02M 3/04** (2006.01); **H02M 7/44** (2006.01)

CPC (source: EP US)  
**H01L 31/02021** (2013.01 - EP US); **H01L 31/046** (2014.12 - EP US); **H02S 40/32** (2014.12 - EP US); **Y02E 10/50** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010131204A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010131204 A2 20101118; WO 2010131204 A3 20110421**; AU 2010247000 A1 20111215; BR PI1012153 A2 20160329; CA 2762046 A1 20101118; CN 102460730 A 20120516; EP 2430668 A2 20120321; FR 2945670 A1 20101119; FR 2945670 B1 20110715; JP 2012527112 A 20121101; JP 2015119634 A 20150625; KR 20120016243 A 20120223; RU 2011151076 A 20130620; RU 2541698 C2 20150220; US 2012062035 A1 20120315; ZA 201108196 B 20120627

DOCDB simple family (application)  
**IB 2010052090 W 20100511**; AU 2010247000 A 20100511; BR PI1012153 A 20100511; CA 2762046 A 20100511; CN 201080031651 A 20100511; EP 10723789 A 20100511; FR 0902354 A 20090515; JP 2012510425 A 20100511; JP 2015015384 A 20150129; KR 20117027197 A 20100511; RU 2011151076 A 20100511; US 201013319559 A 20100511; ZA 201108196 A 20111109