

Title (en)

METHOD OF MANUFACTURING PHOTOVOLTAIC CELLS, PHOTOVOLTAIC CELLS PRODUCED THEREBY AND USES THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PV-ZELLEN, AUF DIESE WEISE HERGESTELLTE PV-ZELLEN UND IHRE VERWENDUNG

Title (fr)

PROCÉDÉ DE FABRICATION DE CELLULES PHOTOVOLTAÏQUES, CELLULES PHOTOVOLTAÏQUES PRODUITES SELON CE PROCÉDÉ, ET UTILISATIONS DE CELLES-CI

Publication

**EP 2502278 A2 20120926 (EN)**

Application

**EP 10793049 A 20101117**

Priority

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- IB 2010055219 W 20101117

Abstract (en)

[origin: WO2011061693A2] Novel methods of producing photovoltaic cells are provided herein, as well as photovoltaic cells produced thereby, and uses thereof. In some embodiments, a method as described herein comprises doping a substrate so as to form a p+ layer on one side and an n+ layer on another side, removing at least a portion of the n+ layer, and then forming a second n+ layer, such that a concentration of the n-dopant in the second n+ layer is variable throughout a surface of the substrate.

IPC 8 full level

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CPC (source: EP)

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**H01L 31/0684** (2013.01); **H01L 31/1804** (2013.01); **Y02E 10/547** (2013.01); **Y02P 70/50** (2015.11)

Citation (search report)

See references of WO 2011061693A2

Citation (examination)

- WO 2009010585 A2 20090122 - IMEC INTER UNI MICRO ELECTR [BE], et al
- EP 2077587 A1 20090708 - KYOCERA CORP [JP]
- HEZEL R ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "A NEW HIGH EFFICIENCY SOLAR CELL CONCEPT BASED ON TRUNCATED PYRAMIDS", WORLD CONFERENCE ON PHOTOVOLTAIC ENERGY. WAIKOLOA, DEC. 5 - 9, 1994; [WORLD CONFERENCE ON PHOTOVOLTAIC ENERGY], NEW YORK, IEEE, US, vol. CONF. 1, 5 December 1994 (1994-12-05), pages 1466 - 1469, XP000680102, ISBN: 978-0-7803-1460-3, DOI: 10.1109/WCPEC.1994.520226

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DOCDB simple family (publication)

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JP 2012539461 A 20101117; JP 2012539462 A 20101117