

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 2502277 A2 20120926 (EN)**

Application

**EP 10793317 A 20101117**

Priority

- US 59139109 A 20091118
- US 59139009 A 20091118
- IB 2010055221 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 an 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

**H01L 31/0216** (2006.01); **H01L 31/0236** (2006.01); **H01L 31/032** (2006.01); **H01L 31/18** (2006.01)

CPC (source: EP)

**H01L 31/02168** (2013.01); **H01L 31/0236** (2013.01); **H01L 31/02363** (2013.01); **H01L 31/0321** (2013.01); **H01L 31/068** (2013.01); **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 2011061694A2

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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011061693 A2 20110526**; **WO 2011061693 A3 20120105**; CA 2780913 A1 20110526; CA 2781085 A1 20110526; CN 102725854 A 20121010; CN 102725854 B 20151125; CN 102754215 A 20121024; EP 2502277 A2 20120926; EP 2502278 A2 20120926; JP 2013511838 A 20130404; JP 2013511839 A 20130404; JP 6027443 B2 20161116; WO 2011061694 A2 20110526; WO 2011061694 A3 20120119

DOCDB simple family (application)

**IB 2010055219 W 20101117**; CA 2780913 A 20101117; CA 2781085 A 20101117; CN 201080061602 A 20101117; CN 201080061605 A 20101117; EP 10793049 A 20101117; EP 10793317 A 20101117; IB 2010055221 W 20101117; JP 2012539461 A 20101117; JP 2012539462 A 20101117