

Title (en)  
SOLAR CELL AND METHOD OF FABRICATING THE SAME

Title (de)  
SOLARZELLE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
CELLULE SOLAIRE ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 2695202 A4 20141029 (EN)**

Application  
**EP 12768551 A 20120405**

Priority  
• KR 20110032959 A 20110408  
• KR 2012002605 W 20120405

Abstract (en)  
[origin: WO2012138167A2] Provided are a solar cell and a method of fabricating the same. The solar cell includes: a substrate; a back electrode layer on the substrate; a light absorbing layer on the back electrode layer; a buffer layer on the light absorbing layer; and a window layer on the buffer layer, wherein the light absorbing layer includes a plurality of voids.

IPC 8 full level  
**H01L 31/042** (2014.01); **H01L 31/032** (2006.01); **H01L 31/0352** (2006.01); **H01L 31/0749** (2012.01); **H01L 31/18** (2006.01)

CPC (source: CN EP KR)  
**H01L 31/0322** (2013.01 - CN EP); **H01L 31/035281** (2013.01 - CN EP); **H01L 31/0445** (2014.12 - KR); **H01L 31/0749** (2013.01 - CN EP); **Y02E 10/52** (2013.01 - EP); **Y02E 10/541** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)  
• [X] US 2007163637 A1 20070719 - ROBINSON MATTHEW R [US], et al  
• [XP] WO 2011155639 A1 20111215 - SHOWA SHELL SEKIYU [JP], et al & US 2013074925 A1 20130328 - HAKUMA HIDEKI [JP], et al  
• [E] EP 2600412 A1 20130605 - KYOCERA CORP [JP]  
• [X] WO 2011040272 A1 20110407 - KYOCERA CORP [JP], et al & US 2011308616 A1 20111222 - KAMADA RUI [JP], et al  
• [XI] MEHTA B R ET AL: "A graded diameter and oriented nanorod-thin film structure for solar cell application: a device proposal", SOLAR ENERGY MATERIALS AND SOLAR CELLS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 85, no. 1, 1 January 2005 (2005-01-01), pages 107 - 113, XP027815026, ISSN: 0927-0248, [retrieved on 20050101]  
• See references of WO 2012138167A2

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 2012138167 A2 20121011**; **WO 2012138167 A3 20130110**; CN 103597613 A 20140219; EP 2695202 A2 20140212;  
EP 2695202 A4 20141029; KR 101220060 B1 20130121; KR 20120115036 A 20121017

DOCDB simple family (application)  
**KR 2012002605 W 20120405**; CN 201280028400 A 20120405; EP 12768551 A 20120405; KR 20110032959 A 20110408