

Title (en)
SOLAR CELL

Title (de)
SOLARZELLE

Title (fr)
PILE SOLAIRE

Publication
EP 1859486 A1 20071128 (DE)

Application
EP 06707276 A 20060225

Priority
• EP 2006001752 W 20060225
• DE 102005013668 A 20050314

Abstract (en)
[origin: WO2006097189A1] The invention relates to a solar cell with a base layer (12) having a first doping that, together with a front layer (14) having a second doping of opposite polarity, forms a boundary layer. The solar cell has at least one front contact (18) and at least one rear contact (32). A passivation layer (24) and a tunnel contact layer (26, 28) are placed between the base layer (12) and the rear contact (32).

IPC 8 full level
H01L 31/0224 (2006.01)

CPC (source: EP KR US)
H01L 31/02167 (2013.01 - EP US); **H01L 31/022425** (2013.01 - EP US); **H01L 31/04** (2013.01 - KR); **H01L 31/06** (2013.01 - KR); **H01L 31/18** (2013.01 - KR); **Y02E 10/50** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2006097189 A1 20060921; CN 101142689 A 20080312; DE 102005013668 B3 20061116; EP 1859486 A1 20071128; JP 2008533729 A 20080821; KR 20070119702 A 20071220; US 2008251117 A1 20081016

DOCDB simple family (application)
EP 2006001752 W 20060225; CN 200680008213 A 20060225; DE 102005013668 A 20050314; EP 06707276 A 20060225; JP 2008501179 A 20060225; KR 20077023662 A 20071015; US 88619506 A 20060225