

Title (en)
SOLAR PANEL

Title (de)
SOLARMODUL

Title (fr)
PANNEAU SOLAIRE

Publication
EP 2710640 A1 20140326 (DE)

Application
EP 12711658 A 20120403

Priority
• EP 11166652 A 20110519
• EP 2012056044 W 20120403
• EP 12711658 A 20120403

Abstract (en)
[origin: WO2012156149A1] The invention relates to a solar panel (1) which comprises at least a) a support layer (2) and, arranged one on top of the other, a first intermediate layer (3), at least one solar cell (4), a second intermediate layer (5) and a front pane (6), b) a first edge reinforcing layer (7.1) and a second edge reinforcing layer (7.2), at least one terminal housing (20) and at least two collecting conductors (21.1, 21.2) which connect the solar cell (4) to the terminal housing (20) in an electrically conducting manner. The support layer (2) has a portion (13) that projects over the periphery of the front pane (6). The first edge reinforcing layer (7.1) is arranged above the peripheral projection (13) and has a cut-out section (16). The second edge reinforcing layer (7.2) is arranged above the first edge reinforcing layer (7.1) and has an opening (17). The collecting conductor (21.1, 21.2) is located in the cut-out section (16) and in the opening (17).

IPC 8 full level
H01L 31/048 (2014.01); **H01L 31/042** (2014.01)

CPC (source: EP KR US)
H01L 31/02013 (2013.01 - EP US); **H01L 31/048** (2013.01 - KR US); **H01L 31/18** (2013.01 - KR); **H02S 20/23** (2014.12 - EP KR US); **H02S 20/24** (2014.12 - EP US); **H02S 30/10** (2014.12 - EP US); **H02S 40/34** (2014.12 - EP US); **Y02B 10/10** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP US)

Citation (search report)
See references of WO 2012156149A1

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 2012156149 A1 20121122; CN 103703674 A 20140402; EP 2710640 A1 20140326; JP 2014519195 A 20140807; KR 20140027267 A 20140306; US 2014157693 A1 20140612; US 9021752 B2 20150505

DOCDB simple family (application)
EP 2012056044 W 20120403; CN 201280024268 A 20120403; EP 12711658 A 20120403; JP 2014510705 A 20120403; KR 20137030196 A 20120403; US 201214117752 A 20120403