

Title (en)

THIN-FILM PHOTOVOLTAIC MODULE WITH HYDROPHOBIC REAR-SIDE COATING

Title (de)

DÜNNSCHICHT-PHOTOVOLTAIK-MODUL MIT HYDROPHOBER RÜCKSEITENBESCHICHTUNG

Title (fr)

MODULE PHOTOVOLTAÏQUE À COUCHE MINCE COMPORTANT UN REVÊTEMENT HYDROPHOBE SUR SA FACE ARRIÈRE

Publication

**EP 2751848 A1 20140709 (DE)**

Application

**EP 12733473 A 20120705**

Priority

- EP 11179157 A 20110829
- EP 2012063104 W 20120705
- EP 12733473 A 20120705

Abstract (en)

[origin: WO2013029845A1] The present invention relates to a thin-film photovoltaic module with hydrophobic rear-side coating, at least comprising:  
- a substrate (1) (soda-lime glass), wherein at least one hydrophobic coating (5) (containing an alkylsilane, preferably a fluorinated alkylsilane) is arranged on the rear side (IV) of the substrate (1), - a photovoltaic layer structure (2) on the front side (III) of the substrate (1) and - a covering screen (3), which is areally connected to the front side (III) of the substrate (1) via the rear side (II) of said screen with at least one intermediate layer (4).

IPC 8 full level

**H01L 31/048** (2014.01); **H01L 27/142** (2014.01)

CPC (source: CN EP US)

**H01L 31/02167** (2013.01 - US); **H01L 31/048** (2013.01 - US); **H01L 31/0488** (2013.01 - CN EP US); **H01L 31/049** (2014.12 - EP US); **Y02E 10/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2013029845A1

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 2013029845 A1 20130307**; CN 103765599 A 20140430; EP 2751848 A1 20140709; JP 2014531745 A 20141127; JP 6092217 B2 20170308; KR 20140053225 A 20140507; US 2014196771 A1 20140717

DOCDB simple family (application)

**EP 2012063104 W 20120705**; CN 201280042461 A 20120705; EP 12733473 A 20120705; JP 2014527542 A 20120705; KR 20147004806 A 20120705; US 201214232878 A 20120705