Title (en)

PHOTOVOLTAIC MODULES CONTAINING PLASTICIZED INTERLAYER FILMS HAVING A HIGH VOLUME RESISTANCE AND GOOD PENETRATION RESISTANCE

Title (de)

PHOTOVOLTAIKMODULE ENTHALTEND PLASTIFIZIERTE ZWISCHENSCHICHT-FOLIEN MIT HOHEM DURCHGANGSWIDERSTAND UND GUTER PENETRATIONSFESTIGKEIT

Title (fr)

MODULES PHOTOVOLTAÏQUES CONTENANT DES FEUILLES PLASTIFIÉES INTERMÉDIAIRES À HAUTE RÉSISTIVITÉ TRANSVERSALE ET BONNE RÉSISTANCE À LA PÉNÉTRATION

Publication

EP 2286463 A2 20110223 (DE)

Application

EP 09742148 A 20090508

Priority

- EP 2009055586 W 20090508
- DE 102008001654 A 20080508

Abstract (en)

[origin: WO2009135930A2] The invention relates to the use of plasticized, polyvinyl acetal-based films which comprise more than 10 ppm metal ions selected from the group including alkaline earth metals, zinc and aluminum and less than 150 ppm alkali metal ions, for producing photovoltaic modules. The films preferably have an electrical volume resistance of more than 1E11 ohm*cm in an ambient environment of 85% RH/23°C. The photovoltaic modules can be used as façade components, roof surfaces, conservatory covers, noise protection walls, balcony or breastwork elements or as components of window surfaces.

IPC 8 full level

H01L 31/048 (2006.01)

CPC (source: EP US)

B32B 17/10688 (2013.01 - EP US); **B32B 17/10761** (2013.01 - EP US); **C08K 5/103** (2013.01 - EP US); **H01L 31/0481** (2013.01 - EP US); Y02B 10/10 (2013.01 - EP US); Y02E 10/50 (2013.01 - EP US)

C-Set (source: EP US)

C08K 5/103 + **C08L 29/14**

Citation (search report)

See references of WO 2009135930A2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008001654 A1 20091112; CN 102017185 A 20110413; EP 2286463 A2 20110223; JP 2011520278 A 20110714; US 2011056555 A1 20110310; WO 2009135930 A2 20091112; WO 2009135930 A3 20100923

DOCDB simple family (application)

DE 102008001654 A 20080508; CN 200980116465 A 20090508; EP 09742148 A 20090508; EP 2009055586 W 20090508; JP 2011507935 A 20090508; US 99157309 A 20090508