

Title (en)

ELECTRIC POWER GENERATING SOLAR ROOF TILE AND A PROCEDURE FOR ITS PRODUCTION

Title (de)

ELEKTRISCHEN STROM ERZEUGENDER SOLARDACHZIEGEL UND PROZEDUR ZU SEINER HERSTELLUNG

Title (fr)

TUILE DE PRODUCTION D'ÉNERGIE ÉLECTRIQUE ET PROCÉDURE POUR SA FABRICATION

Publication

EP 2277205 A2 20110126 (EN)

Application

EP 08750833 A 20080507

Priority

- HU 2008000043 W 20080507
- HU P0700773 A 20071203

Abstract (en)

[origin: WO2009071956A2] The invention relates to an electric power generating solar roof tile and a procedure for its production. The invention is characterized in that the solar cell roof tile (10) possesses a substrate (4) made from plastic or synthetic resin formed into the appropriate shape and size and a flexible solar cell layer (2) containing solar cells applied to the outer surface of the substrate (4), there are conductive rails (3) and connectors in and/or on the surface of the substrate (4), furthermore the solar cell layer (2) is either directly or via a conductive stud (9) connected to the conductive rails (3), and the solar cell layer (2) is sealed in a waterproof manner by a transparent protective layer (1) that tightly conforms to the shape of the outer surface of the substrate (4).

IPC 8 full level

H01L 31/048 (2006.01); **H01L 31/052** (2006.01)

CPC (source: EP US)

E04D 1/2916 (2019.07 - EP US); **H01L 31/052** (2013.01 - EP); **H02S 20/25** (2014.12 - EP); **Y02B 10/10** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP)

Citation (search report)

See references of WO 2009071956A2

Cited by

GB2576691A; GB2576691B

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009071956 A2 20090611; **WO 2009071956 A3 20100902**; AU 2008332854 A1 20090611; CN 101933163 A 20101229; CN 101933163 B 20130403; EP 2277205 A2 20110126; HU 0700773 D0 20080128; HU 227066 B1 20100628; HU P0700773 A2 20090728

DOCDB simple family (application)

HU 2008000043 W 20080507; AU 2008332854 A 20080507; CN 200880126389 A 20080507; EP 08750833 A 20080507; HU P0700773 A 20071203