

Title (en)

SOLAR MODULE WITH COMBINED MECHANICAL AND ELECTRICAL PLUG CONNECTION FOR GENERATING ELECTRICAL CURRENT

Title (de)

SOLARMODUL MIT KOMBINierter MECHANISCHER UND ELEKTRISCHER STECKVERBINDUNG ZUR ERZEUGUNG VON ELEKTRISCHEM STROM

Title (fr)

MODULE SOLAIRE AVEC UNE CONNEXION ENFICHABLE COMBINÉE MÉCANIQUE ET ÉLECTRIQUE POUR LA PRODUCTION DE COURANT ÉLECTRIQUE

Publication

**EP 2932535 A1 20151021 (DE)**

Application

**EP 13802688 A 20131212**

Priority

- DE 102012025534 A 20121213
- DE 202013005015 U 20130528
- EP 2013076422 W 20131212

Abstract (en)

[origin: WO2014090956A1] The invention relates to a solar module for generating electrical current, which comprises a solar cell assembly (3) accommodated in a frame and at least one connection element for a mechanical and electrical connection. At least two connection elements are arranged on at least two sides of the frame (2), wherein a first connection element (4) is arranged on a first side and a second connection element (5) is arranged on a second side, and said connection elements (4, 5) each comprise two contact elements (24, 13; 25, 15), which are isolated from one another and connected to the solar cell assembly (3). The first connection element (4) and the second connection element (5) have complementary shaped elements for an electrical and mechanical form-fitting connection with corresponding further solar modules.

IPC 8 full level

**H01L 31/042** (2014.01)

CPC (source: EP)

**H01L 31/05** (2013.01); **H02S 30/10** (2014.12); **H02S 40/36** (2014.12); **H02G 3/16** (2013.01); **Y02E 10/50** (2013.01)

Citation (search report)

See references of WO 2014090956A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 202013005015 U1 20140326**; DE 102012025534 A1 20140703; EP 2932535 A1 20151021; WO 2014090956 A1 20140619

DOCDB simple family (application)

**DE 202013005015 U 20130528**; DE 102012025534 A 20121213; EP 13802688 A 20131212; EP 2013076422 W 20131212