

Title (en)
FASTENING ELEMENT FOR FASTENING SOLAR MODULES ON AN INCLINED ROOF SURFACE

Title (de)
BEFESTIGUNGSELEMENT ZUM BEFESTIGEN VON SOLARMODULEN AN EINER GENEIGTEN DACHFLÄCHE

Title (fr)
ÉLÉMENT DE FIXATION DE MODULES SOLAIRES À UNE SURFACE DE TOIT EN PENTE

Publication
EP 2979039 A1 20160203 (DE)

Application
EP 14706819 A 20140225

Priority

- DE 102013205679 A 20130328
- DE 202013003496 U 20130415
- DE 102013207827 A 20130429
- EP 2014053624 W 20140225

Abstract (en)
[origin: CA2907906A1] The invention relates to a fastening element (2.1 to 2.8) for fastening solar modules (S1, S2) to an inclined roof surface, comprising a base plate (5) for fastening to a roof membrane of the roof surface or to a mounting rail (1) supported by the roof membrane, at least one hook (6) extending from the base plate (5) for mounting a first frame of a first solar module (S1), wherein the first frame (1) for mounting along a mounting unit (E) is moved relative to the hook (6), and a supporting wall (8) extending opposite the hook (6) from the base plate (5) for supporting a second frame of a second solar module (S2), wherein the supporting wall (8) extends approximately perpendicular to the mounting direction (E).

IPC 8 full level
F24J 2/52 (2006.01)

CPC (source: EP US)
F24S 25/33 (2018.05 - EP US); **F24S 25/632** (2018.05 - EP US); **F24S 2025/018** (2018.05 - EP US); **F24S 2025/6002** (2018.05 - EP US); **Y02B 10/10** (2013.01 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/47** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP)

Citation (examination)

- DE 102010022556 B3 20110630 - RAYMOND ET CIE S C S A [FR]
- US 2012079781 A1 20120405 - KOLLER ALEXANDER [DE]
- See also references of WO 2014154423A1

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 202013003496 U1 20130603; CA 2907906 A1 20141002; DE 102013207827 A1 20141002; DE 102013207827 B4 20180614; EP 2979039 A1 20160203; US 2016054030 A1 20160225; WO 2014154423 A1 20141002

DOCDB simple family (application)
DE 202013003496 U 20130415; CA 2907906 A 20140225; DE 102013207827 A 20130429; EP 14706819 A 20140225; EP 2014053624 W 20140225; US 201414780859 A 20140225