

Title (en)
CONNECTING BLOCK, FRAMES AND ASSEMBLY FOR FASTENING PHOTOVOLTAIC MODULES OR COLLECTOR MODULES AND METHOD FOR FASTENING FRAMES

Title (de)
VERBINDUNGSSTEIN, RAHMEN UND ANORDNUNG ZUM BEFESTIGEN VON PHOTOVOLTAIK-MODULEN ODER KOLLEKTOR-MODULEN SOWIE VERFAHREN ZUM BEFESTIGEN VON RAHMEN

Title (fr)
PION, CADRE ET ENSEMBLE POUR LA FIXATION DE MODULES PHOTOVOLTAÏQUES OU COLLECTEURS ET PROCÉDÉ DE FIXATION DE CADRES

Publication
EP 2545590 A2 20130116 (DE)

Application
EP 11708826 A 20110314

Priority
• DE 102010002834 A 20100312
• EP 2011053815 W 20110314

Abstract (en)
[origin: WO2011110693A2] The invention relates to a connecting block for fastening two neighboring frames of photovoltaic modules or collector modules to a DIN mounting rail, wherein the connecting block comprises a main body and two pins which project from two surfaces of the main body pointing in opposite directions. Each pin can be inserted in one of the neighboring frames. The connecting block further comprises a transverse piece projecting from the main body, said piece having a counter-profile that is adapted to the profile of the DIN mounting rail in order to establish a positive connection with the DIN mounting rail.

IPC 8 full level
H01L 31/042 (2006.01); **F24J 2/52** (2006.01)

CPC (source: EP US)
F24S 25/12 (2018.04 - EP US); **F24S 25/20** (2018.04 - EP US); **F24S 25/33** (2018.04 - EP US); **F24S 25/35** (2018.04 - EP US); **F24S 25/632** (2018.04 - EP US); **F24S 25/634** (2018.04 - EP US); **F24S 25/67** (2018.04 - EP US); **H02S 20/23** (2014.12 - EP US); **H02S 20/30** (2014.12 - EP US); **F24S 2025/014** (2018.04 - EP US); **F24S 2025/6007** (2018.04 - 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); **Y10T 29/49002** (2015.01 - EP US); **Y10T 29/49947** (2015.01 - EP US)

Citation (search report)
See references of WO 2011110693A2

Citation (examination)
EP 0407338 A1 19910109 - ANCOTECH AG [CH]

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 102010002834 A1 20110915; EP 2545590 A2 20130116; US 2013032200 A1 20130207; WO 2011110693 A2 20110915; WO 2011110693 A3 20120628

DOCDB simple family (application)
DE 102010002834 A 20100312; EP 11708826 A 20110314; EP 2011053815 W 20110314; US 201113634120 A 20110314