

Title (en)
Photovoltaics plug connector

Title (de)
Photovoltaik-Steckverbindung

Title (fr)
Connexion à fiche photovoltaïque

Publication
EP 2034566 A3 20091230 (DE)

Application
EP 08015738 A 20080905

Priority
DE 102007041989 A 20070905

Abstract (en)
[origin: EP2034566A2] The plug (1.1) has a contact pin (1.1.2) arranged and fastened to a contact holder (1.1.1). The contact holder accommodates a cable sealing ring (1.1.3) with a traction relief claw fastener (1.1.4) at an end side. The traction relief claw fastener cooperates with a pressure screw (1.1.5) for decoupling traction and pressure forces acting at a cable (1.1.6) from the contact pin. The contact holder is formed by molded plastic, where the contact pin is fixed at the contact holder by molding and fastened to the contact holder in a force-fit manner. An independent claim is also included for a socket comprising locking hooks.

IPC 8 full level
H01R 13/52 (2006.01); **H01R 13/58** (2006.01); **H01R 24/00** (2006.01)

CPC (source: EP US)
H01R 13/5205 (2013.01 - EP US); **H01R 13/5812** (2013.01 - EP US); **H01R 13/052** (2013.01 - EP US); **H01R 13/111** (2013.01 - EP US); **H01R 13/44** (2013.01 - EP US); **H01R 13/5219** (2013.01 - EP US); **H01R 13/6273** (2013.01 - EP US); **H01R 43/16** (2013.01 - EP US); **H01R 2101/00** (2013.01 - EP US)

Citation (search report)

- [XY] DE 10215194 A1 20031016 - MULTI HOLDING AG ALLSCHWIL [CH]
- [X] DE 20217500 U1 20030206 - HUMMEL ANTON VERWALTUNG [DE]
- [X] DE 10062476 A1 20020620 - ALOYS MENNEKES ANLAGENGBH & C [DE]
- [A] WO 2004066447 A1 20040805 - HIRSCHMANN ELECTRONICS GMBH [DE], et al
- [YA] EP 0975062 A1 20000126 - SUMITOMO WIRING SYSTEMS [JP]
- [A] WO 2006054420 A1 20060526 - SUMITOMO WIRING SYSTEMS [JP], et al

Cited by
EP2973878A4; CN102934290A; EP2500989A4; WO2014150807A1; US10205274B2; CN110429422A; EP3723208A1; WO2011151392A1; EP3389146A1; JP2018200864A; US11133636B2

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2034566 A2 20090311; **EP 2034566 A3 20091230**; DE 102008045801 A1 20090312; US 2009075525 A1 20090319

DOCDB simple family (application)
EP 08015738 A 20080905; DE 102008045801 A 20080905; US 20489908 A 20080905