

Title (en)
Connection device for flat conductors

Title (de)
Anschlussvorrichtung für Flachleiter

Title (fr)
Dispositif de raccordement pour conducteurs plats

Publication
EP 2200124 A1 20100623 (DE)

Application
EP 09174065 A 20091026

Priority
DE 202008016800 U 20081219

Abstract (en)
The device has a contact screw contactingly pressing a flat conductor and a bus bar together. The screw penetrates through the conductor and the bus bar in a contact position. A connector housing receives the bus bar, the flat conductor and the screw. The connector housing includes a cover strip fixable in a base (1). The base includes a mounting surface for mounting on a substrate i.e. printed circuit board or a surface of a solar collector. The screw is aligned perpendicular to the mounting surface in a mounting position of the base.

Abstract (de)
Anschlussvorrichtung zum Anschluss wenigstens eines Leiters, insbesondere eines Flachleiters (7), an eine Stromschiene (4), wobei die Anschlussvorrichtung eine Kontaktschraube (12) aufweist, welche den Leiter, insbesondere den Flachleiter (7) und die Stromschiene (4) kontaktierend aneinander drückt und die den Leiter, insbesondere den Flachleiter (7), und die Stromschiene (4) im kontaktierten Zustand durchsetzt.

IPC 8 full level
H01R 4/30 (2006.01); **H01R 9/22** (2006.01); **H01R 9/24** (2006.01); **H01R 13/04** (2006.01); **H01R 13/512** (2006.01)

CPC (source: EP US)
H01R 4/30 (2013.01 - EP US); **H01R 9/226** (2013.01 - EP US); **H01R 9/24** (2013.01 - EP US); **H01R 13/04** (2013.01 - EP US); **H01R 13/512** (2013.01 - EP US)

Citation (applicant)
DE 19903030 C1 20010503 - SIEMENS AG [DE]

Citation (search report)

- [XA] US 5967823 A 19991019 - TSUI PUI-HING [HK]
- [A] US 6027367 A 20000222 - WOERTZ HANS [CH], et al
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- [A] DE 19903030 C1 20010503 - SIEMENS AG [DE]

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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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2200124 A1 20100623; **EP 2200124 B1 20160622**; DE 202008016800 U1 20100527; US 2010159738 A1 20100624; US 7955117 B2 20110607

DOCDB simple family (application)
EP 09174065 A 20091026; DE 202008016800 U 20081219; US 63574009 A 20091211