Title (en)

CONTACTING DEVICE FOR TRANSFER OF ELECTRIC ENERGY TO A PRINTED CIRCUIT BOARD AND A METHOD FOR ASSEMBLING SUCH A CONTACTING DEVICE

Title (de)

KONTAKTIERUNGSVORRICHTUNG ZUR ELEKTRISCHEN ENERGIEÜBERTRAGUNG ZU EINER LEITERPLATTE UND VERFAHREN ZUR MONTAGE EINER DERARTIGEN KONTAKTIERUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE CONTACT POUR UNE TRANSMISSION D'ÉNERGIE ÉLECTRIQUE SUR UNE CARTE DE CIRCUITS IMPRIMÉS ET PROCÉDÉ DE MONTAGE D'UN TEL DISPOSITIF DE CONTACTS

Publication

EP 3336969 B1 20190626 (DE)

Application

EP 18156248 A 20170517

Priority

- DE 202016102669 U 20160519
- EP 17724036 A 20170517
- EP 2017061867 W 20170517

Abstract (en)

[origin: WO2017198728A1] A contacting device (1) comprises a housing (3), in which a first contact element (4) is disposed. The first contact element (4) comprises a receiving space (30) for a second contact element (7), said space being open to at least one opening (15, 23, 15', 23') of the housing (3). The first contact element (4) can be displaced transversely to a central longitudinal axis (31) of the receiving space (30) relative to the housing (3) against a spring element (5), so that the second contact element (7) can be inserted into the receiving space (20) and clamped in the receiving space (30) by means of the spring element (5). The first contact element (4) is fixedly connected to at least one plug-in contact element (6). A transmission of electrical energy from a power supply line (44) to a circuit board (8) can thus be achieved simply and reliably.

IPC 8 full level

H01R 4/48 (2006.01); H01R 11/11 (2006.01); H01R 11/12 (2006.01); H01R 12/53 (2011.01); H01R 12/58 (2011.01); H01R 13/20 (2006.01); H01R 13/506 (2006.01)

CPC (source: EP US)

H01R 4/183 (2013.01 - US); **H01R 4/4872** (2013.01 - EP US); **H01R 11/11** (2013.01 - US); **H01R 12/53** (2013.01 - US); **H01R 12/58** (2013.01 - US); **H01R 12/71** (2013.01 - US); **H01R 13/506** (2013.01 - US); **H01R 43/26** (2013.01 - US); H01R 11/11 (2013.01 - EP); H01R 12/53 (2013.01 - EP); H01R 12/58 (2013.01 - EP); H01R 13/20 (2013.01 - EP US); H01R 13/506 (2013.01 - EP)

Cited by

CN112713415A; DE102023000390B3

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 202016102669 U1 20170822; CN 109478728 A 20190315; CN 109478728 B 20210226; EP 3262716 A1 20180103; EP 3262716 B1 20180627; EP 3336969 A1 20180620; EP 3336969 B1 20190626; ES 2686543 T3 20181018; ES 2744806 T3 20200226; HK 1246508 B 20190705; HK 1249804 B 20200320; SG 11201809389T A 20181228; TW 201803217 A 20180116; TW I654798 B 20190321; US 10601155 B2 20200324; US 2019296461 A1 20190926; WO 2017198728 A1 20171123

DOCDB simple family (application)

DE 202016102669 U 20160519; CN 201780030406 A 20170517; EP 17724036 A 20170517; EP 18156248 A 20170517; EP 2017061867 W 20170517; ES 17724036 T 20170517; ES 18156248 T 20170517; HK 18105545 A 20180427; HK 18109215 A 20180717; SG 11201809389T A 20170517; TW 106116487 A 20170518; US 201716302353 A 20170517