

Title (en)
MULTIPOINT PLUG FOR ELECTRICALLY CONNECTING METAL STRIP CONDUCTORS ARRANGED ON BOTH SIDES OF A CIRCUIT BOARD

Title (de)
KONTAKTLEISTE ZUR ELEKTRISCHEN KONTAKTIERUNG VON BEIDSEITIG AUF EINER LEITERPLATTE VERLAUFENDEN METALLISCHEN LEITERBAHNEN

Title (fr)
REGLETTE DE CONTACTS POUR LA MISE EN CONTACT ELECTRIQUE DE PISTES CONDUCTRICES METALLIQUES PLACEES SUR LES DEUX FACES D'UNE PLAQUETTE

Publication
EP 1623484 B1 20071003 (DE)

Application
EP 04726435 A 20040408

Priority
• DE 2004000796 W 20040408
• DE 10322172 A 20030514

Abstract (en)
[origin: WO2004105192A1] The invention relates to a multipoint plug (1) for electrically connecting metallic strip conductors (21, 22) arranged on both sides of a circuit board (11) comprising a base body (2) provided with mutually opposite flexible contacts (3, 3a, 3b, 3c) which are longitudinally arranged in such a way that the front face of the circuit board (11) is insertable between said contacts (3, 3a, 3b, 3c), thereby producing electric contact thereof with the strip conductors (21, 22). The opposite contacts (3, 3a, 3b, 3c) are electrically insulated with respect to each other inside the base body (2). The aim of the invention is to develop a small-sized multipoint plug which exhibits as high electric strength as possible. For this purpose, a recess (24) is shaped between opposite contacts (3, 3a, 3b, 3c) in a longitudinal direction of the base body. When the circuit board (11) is inserted, said recess encompasses the frontal face thereof in such a way that an extended creepage distance is formed between opposite contacts (for instance, 3a, 3b).

IPC 8 full level
H01R 12/18 (2006.01); **H01R 13/11** (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP)
H01R 12/721 (2013.01); **H01R 12/515** (2013.01); **H01R 13/7034** (2013.01)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 2004105192 A1 20041202; CN 100477390 C 20090408; CN 1781217 A 20060531; DE 10322172 A1 20041223; DE 10322172 B4 20060614; DE 502004005141 D1 20071115; EP 1623484 A1 20060208; EP 1623484 B1 20071003; HK 1089565 A1 20061201

DOCDB simple family (application)
DE 2004000796 W 20040408; CN 200480011290 A 20040408; DE 10322172 A 20030514; DE 502004005141 T 20040408; EP 04726435 A 20040408; HK 06109812 A 20060904