

Title (en)
ELECTRICAL CIRCUIT INTERCONNECTION.

Title (de)
VERBINDUNGSSTELLE VON ELEKTRISCHEN SCHALTUNGEN.

Title (fr)
INTERCONNEXION POUR CIRCUITS ELECTRIQUES.

Publication
EP 0269679 A4 19900108 (EN)

Application
EP 87903636 A 19870519

Priority
US 86478686 A 19860519

Abstract (en)
[origin: WO8707471A1] An electrical connector arrangement of the solderless type has first and second planar arrays (14, 40) of pad-type contact terminals in face-to-face engagement to provide engaged pairs of contact terminals. Each pad-type contact terminal (112) has a planar contact surface (114) and one pad-type contact terminal of each engaged pair has a series of scraping edges (122) spaced along the length of its planar contact for surface. The connector arrangement further provides for lateral movement of one array of contact terminals relative to the other array in a direction transverse to the scraping edges to cause the plurality of spaced scraping edges of one contact terminal of each pair to engage the planar surface of the other contact terminal of the respective pair in a contact-wiping action for removing surface contamination.

IPC 1-7
H05K 1/00; **H01R 13/50**; **H05K 1/14**; **H01R 23/68**

IPC 8 full level
H01R 12/16 (2006.01); **H01L 23/32** (2006.01); **H05K 1/14** (2006.01); **H05K 7/10** (2006.01); **H05K 3/36** (2006.01)

CPC (source: EP KR)
H05K 1/00 (2013.01 - KR); **H05K 7/1053** (2013.01 - EP); **H05K 1/141** (2013.01 - EP); **H05K 3/365** (2013.01 - EP)

Citation (search report)
• [A] US 4571015 A 19860218 - MUELLER ARTHUR L [US]
• [AD] US 4468074 A 19840828 - GORDON HERMAN B [US]
• [A] US 3873173 A 19750325 - ANHALT JOHN W
• [A] TECHNICAL DIGEST - WESTERN ELECTRIC. no. 74, July 1984, NEW YORK US page 7 BROOKER: "Interconnector for DIP integrated circuit and printed wiring board."
• [A] IBM TECHNICAL DISCLOSURE BULLETIN. vol. 10, no. 10, March 1968, NEW YORK US pages 1462 - 1463; ABBATECOLA et al.: "Connectors."
• See references of WO 8707470A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

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WO 8707471 A1 19871203; EP 0268643 A1 19880601; EP 0268643 A4 19891219; EP 0269679 A1 19880608; EP 0269679 A4 19900108; JP H01500391 A 19890209; JP S63503423 A 19881208; KR 880701518 A 19880727; WO 8707470 A1 19871203

DOCDB simple family (application)
US 8701151 W 19870519; EP 87903636 A 19870519; EP 87903637 A 19870519; JP 50322187 A 19870519; JP 50328087 A 19870519; KR 880700058 A 19880118; US 8701150 W 19870519