

Title (en)
High performance card edge connector

Title (de)
Hochleistungsfähiger Leiterplattenrandverbinder

Title (fr)
Connecteur de bord de carte à haute performance

Publication
EP 0975054 A3 20010919 (EN)

Application
EP 99113364 A 19990710

Priority
• US 12052798 A 19980722
• US 12131698 A 19980722

Abstract (en)
[origin: EP0975054A2] A card edge connector for mounting on a circuit board (14) and removably receiving a circuit card (16) includes an elongated housing (26) defining a card receiving slot (34). Numerous terminal receiving cavities (44, 46) intersect and extend to both sides of the slot (34). Alternate cavities include stamped reference (ground or power) terminals (60) and signal terminals (62), all having downwardly extending board contacts (72, 92) and upwardly extending spring arms (76, 78; 96, 98). There are numerous similar sets of face to face contacts, each including a reference contact parallel to and substantially overlying an opposed pair of signal contacts. <IMAGE>

IPC 1-7
H01R 12/18

IPC 8 full level
H01R 12/16 (2006.01); **H01R 12/18** (2006.01); **H01R 12/50** (2011.01); **H01R 12/72** (2011.01)

CPC (source: EP)
H01R 12/721 (2013.01); **H01R 13/6585** (2013.01)

Citation (search report)
• [Y] EP 0436943 A1 19910717 - AMP INC [US]
• [Y] US 5730609 A 19980324 - HARWATH FRANK A [US]
• [A] US 5238414 A 19930824 - YAEHASHI HIROKATSU [JP], et al
• [A] GB 1170256 A 19691112 - PAINTON & CO LTD
• [A] "STAMPED CONNECTOR FOR I/O CARD SYSTEM", IBM TECHNICAL DISCLOSURE BULLETIN,US,IBM CORP. NEW YORK, vol. 32, no. 7, 1 December 1989 (1989-12-01), pages 200 - 201, XP000078069, ISSN: 0018-8689

Cited by
EP1453152A1; US6910922B2; WO2012138519A3; US8784116B2; US9300103B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0975054 A2 20000126; EP 0975054 A3 20010919

DOCDB simple family (application)
EP 99113364 A 19990710