

Title (en)
RIGHT ANGLE IMPEDANCE MATCHED ELECTRICAL CONNECTOR

Publication
EP 0455367 A3 19920909 (EN)

Application
EP 91303286 A 19910415

Priority
US 51936790 A 19900504

Abstract (en)
[origin: EP0455367A2] Microstrip transmission of electrical signals between two arrays of signal conductors such as two printed circuit boards is maintained in a right angle electrical receptacle connector (2) in which signal contacts (70,80) are disposed on opposite sides of a central ground bus (90). The signal contacts (70,80) are urged inwardly into engagement with a central dielectric wall (32,34) and the ground bus (90) is similarly urged outwardly into engagement with the same wall (32,34) to establish the microstrip configuration between each row of terminals in the central ground bus (90). The receptacle connector (4) includes a right angle bend and the signal contacts (70,80) as well as the ground bus (90) also have a right angle bend. The insulative housing (10) of the right angle connector (2) comprises upper and lower housing members (12,14) which are snapped into engagement. Resilient arms, forming a part of a connector mounting assembly on the upper housing member (12), engage the lower housing member (14) to hold it in place. <IMAGE>

IPC 1-7
H01R 23/70; **H01R 17/12**; **H01R 23/68**

IPC 8 full level
H01R 12/50 (2011.01); **H01R 12/70** (2011.01)

CPC (source: EP KR)
H01R 9/00 (2013.01 - KR); **H01R 12/724** (2013.01 - EP); **H01R 13/658** (2013.01 - EP); **H01R 12/7047** (2013.01 - EP)

Citation (search report)

- [A] EP 0145083 A2 19850619 - DU PONT [US]
- [A] EP 0355048 A2 19900221 - DU PONT [US]
- [A] EP 0218435 A2 19870415 - DU PONT [US]
- [A] EP 0335160 A2 19891004 - HARTING ELEKTRONIK GMBH [DE]

Cited by
SG121756A1; CN1096126C; US5797770A; EP0957542A3; US5611700A; EP0670616A1; NL9400321A; US5525066A; US5588851A; CN113629418A; US11139620B2; US8777640B2; WO9742686A1; EP0552042B1; WO9315533A1; WO9607220A1; WO9710628A1; WO2010124965A1; KR100417299B1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0455367 A2 19911106; **EP 0455367 A3 19920909**; **EP 0455367 B1 19960619**; CN 1037303 C 19980204; CN 1056382 A 19911120; DE 69120347 D1 19960725; DE 69120347 T2 19970116; KR 910020967 A 19911220

DOCDB simple family (application)
EP 91303286 A 19910415; CN 91102484 A 19910503; DE 69120347 T 19910415; KR 910006929 A 19910430