

Title (en)  
Right angle impedance matched electrical connector

Title (de)  
Rechtwinklig abgebogener impedanzangepasster Steckverbinder

Title (fr)  
Connecteur adapté d'impédance coudé à angle droit

Publication  
**EP 0455367 B1 19960619 (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 23/68**; **H01R 23/70**; **H01R 17/12**

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)

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

Designated contracting state (EPC)  
DE FR GB NL

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