

Publication

EP 0562427 A3 19950517 (EN)

Application

EP 93104307 A 19930317

Priority

US 85659392 A 19920324

Abstract (en)

[origin: EP0562427A2] A method and structure of an electrical connector (10) is provided for tuning the impedance of the connector according to a given impedance of an electrical circuit in which the connector is interconnected. The connector includes a dielectric housing (16) having a receptacle (12) for receiving a complementary mating connector. A plurality of terminals (12) are mounted on the housing. The terminals include body portions (32) located in the housing and contact portions (42) located at the receptacle for engaging appropriate terminals of the mating connector when inserted into the receptacle. The areas (34, 34', 34", 34''') of the body portions of the terminals are selectively varied to vary the capacitance of the terminals and, therefore, the impedance of the connector to match the given impedance of the electrical circuit. When the connector is used for mounting to a printed circuit board, ground terminals (30) have at least two feet (36) for engaging a respective single ground trace of a common ground circuit on the printed circuit board for reducing the inductance between a particular ground terminal and its respective circuit trace. <IMAGE>

IPC 1-7

H01R 13/658

IPC 8 full level

H01R 12/16 (2006.01); **H01R 12/18** (2006.01); **H01R 12/50** (2011.01); **H01R 13/6476** (2011.01); **H01R 13/658** (2006.01); **H01R 12/72** (2011.01)

CPC (source: EP KR)

H01R 13/6473 (2013.01 - KR); **H01R 13/6476** (2013.01 - EP); **H01R 13/658** (2013.01 - EP); **H01R 12/721** (2013.01 - EP)

Citation (search report)

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- [A] EP 0472203 A1 19920226 - AMP INC [US]
- [A] DE 3536124 A1 19860417 - DAYMARC CORP [US]

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