

Title (en)

Multipolar plug-in connection for electronic signal lines

Title (de)

Mehrpolariger Steckverbinder für elektronische Signalleitungen

Title (fr)

Connexion enfichable multipolaire pour lignes de signaux électroniques

Publication

EP 1182745 A3 20030115 (DE)

Application

EP 00126652 A 20001205

Priority

DE 20014791 U 20000826

Abstract (en)

[origin: CA2351986A1] A plug connector having a housing and an insulating body in the housing, provided with contact inserts corresponding to the total number of lines passing through, each with a connecting sleeve, insert foot, insert body and with sockets/pins, wherein at least one line is electrically connected via a matching circuit to the housing. It is intended to be developed such that the matching circuits are accommodated by the plug connector housing and can be connected to the signal conductors and to the housing ground. For this purpose, the connector receptacles are in the form of roughly cylindrical apertures with circumferential inner rings which, facing the filter pocket, have an axial groove, with a window toward the filter pocket. Each of the inserted contacts inserts has a matching ring which interacts with the inner ring and is provided with means to ensure firstly that the contact insert is seated without any play, and secondly that contact is made with the matching circuit.

IPC 1-7

H01R 13/719; **H01R 12/16**; **H01R 13/66**

IPC 8 full level

H01R 12/16 (2006.01); **H01R 13/66** (2006.01); **H01R 13/719** (2006.01)

CPC (source: EP US)

H01R 13/6625 (2013.01 - EP US); **H01R 13/7195** (2013.01 - EP US)

Citation (search report)

- [A] WO 8805218 A1 19880714 - AMP INC [US]
- [A] US 5151054 A 19920929 - BRIONES FRANCISCO R [CA], et al
- [A] DE 19501484 A1 19960725 - THOMAS & BETTS GMBH [DE]
- [A] EP 0750370 A2 19961227 - WHITAKER CORP [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 20014791 U1 20011004; CA 2351986 A1 20020226; CA 2351986 C 20090915; DE 50009731 D1 20050414; EP 1182745 A2 20020227; EP 1182745 A3 20030115; EP 1182745 B1 20050309; US 2002025719 A1 20020228; US 6478626 B2 20021112

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DE 20014791 U 20000826; CA 2351986 A 20010629; DE 50009731 T 20001205; EP 00126652 A 20001205; US 91074301 A 20010723