

Title (en)

Planarfilter for a connector with a plurality of terminals.

Title (de)

Planarfilter für einen vielpoligen Steckverbinder.

Title (fr)

Filtre plan pour un connecteur à plusieurs pôles.

Publication

EP 0658955 A3 19970305 (DE)

Application

EP 94119453 A 19941209

Priority

DE 4342326 A 19931211

Abstract (en)

[origin: EP0658955A2] In order to develop a planar filter (1) for multipole plug connectors (10) having a carrier which has an opening for each signal line and, in the region of this opening, a capacitor with a first foil (2.3) which is connected to the associated signal line and having a second foil (2.1) which is connected via the conductive housing to earth, as well as a dielectric (2.2) between the two foils, such that, with the signal lines lying closely adjacent, sufficient capacitances are provided for the capacitors and the planar filter (1) can be used without any solder joint, it is proposed that a contact insert (5) having at least two contact fingers (7) be soldered into each opening in order to hold the connecting pins (11.1) and be electrically connected to a first foil (2.3), which extends into the opening, of the associated capacitor, such that the connecting pins (11.1) are constructed electrically with the first foil (2.3), which is assigned to the respective signal electrode, and two mutually opposite edges of the planar filter (1), as conductive side regions (3) which are connected to the earth electrode (2.1) of said planar filter (1), and can be connected via the metallic housing (15) of the plug connector (10) to earth. <IMAGE>

IPC 1-7

H01R 13/719

IPC 8 full level

H01R 13/719 (2011.01)

CPC (source: EP US)

H01R 13/7195 (2013.01 - EP US)

Citation (search report)

- [A] EP 0339802 A2 19891102 - OXLEY DEV CO LTD [GB]
- [A] EP 0370800 A2 19900530 - AMPHENOL CORP [US]
- [A] US 3569915 A 19710309 - SORENSEN STANLEY J, et al
- [A] US 3648222 A 19720307 - COWMEADOW RICHARD R
- [AD] US 4741710 A 19880503 - HOGAN EDWARD P [US], et al
- [A] FR 2309996 A1 19761126 - AMP INC [US]
- [A] FR 2589636 A1 19870507 - AMP INC [US]

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 94119453 A 19941209; DE 4342326 A 19931211; DE 59408639 T 19941209; ES 94119453 T 19941209; US 35361394 A 19941212