

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 B1 19990818 (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)

Designated contracting state (EPC)  
DE ES FR GB IT NL

DOCDB simple family (publication)  
**EP 0658955 A2 19950621; EP 0658955 A3 19970305; EP 0658955 B1 19990818**; DE 4342326 A1 19950622; DE 4342326 C2 19961212; DE 59408639 D1 19990923; ES 2136154 T3 19991116; US 5603640 A 19970218

DOCDB simple family (application)  
**EP 94119453 A 19941209**; DE 4342326 A 19931211; DE 59408639 T 19941209; ES 94119453 T 19941209; US 35361394 A 19941212