

Title (en)

Separating link for the connection of two coaxial cables terminated by coaxial plug connectors.

Title (de)

Trennglied zum Verbinden von Zwei mit Koaxial-Steckverbindern abgeschlossenen Koaxialkabel.

Title (fr)

Maillon séparateur pour la connexion de deux câbles coaxiaux, terminés par des connecteurs coaxiaux à fiche.

Publication

**EP 0161486 A2 19851121 (DE)**

Application

**EP 85104346 A 19850410**

Priority

DE 3414811 A 19840419

Abstract (en)

1. Separating link for the connection of two coaxial cables terminated by coaxial plug connectors with galvanic separation of the interior conductors and the cable metal coats which possesses a potlike, electrically conductive exterior cartridge (10), an electrically conductive interior cartridge (13) which is arranged concentrically to it, a first end flange (14), a hollow-cylindrical exterior separating condenser, an insulating washer (16, 54) and an interior separating condenser, characterized by the fact that between the exterior cartridge (10) and the interior cartridge (13), with the end flange (14) which closes the open front side of the exterior cartridge (10), there are accommodated exterior separating condensers (20) with exterior covering (21) and interior covering (22), the exterior and interior coverings (21 and 22) of which are electrically conductive connected with the interior wall of the exterior cartridge (10) and with the exterior wall of the interior cartridge (13) by means of contact mats (18 and 19), that the bottom (11) of the exterior cartridge (10) is electrically separated from the turned-to front side of the interior cartridge (13) and the open front side of the exterior cartridge (10) is electrically separated from the end flange (14) of the interior cartridge (13) by means of circular insulating washers (16, 54), that the interior cartridge (13) possesses an internal thread (15) in the area of the end flange (14), into which a first coaxial plug connector (29) is screwed, the internal contact (31) of which is connected with a carrier plate (37) and with the one connection (42) of the interior separating condenser (41), that the other connection (43) of the interior separating condenser (41) is connected with a socket part (46) which is fixed at the other end of the carrier plate (37), that the bottom (11) of the exterior cartridge is furnished with a thread (12) into which a second coaxial plug connector (21) is screwed and that the internal contact (23) of the second coaxial plug connector (21) is inserted in the socket part (46) of the carrier plate.

Abstract (de)

Die Erfindung betrifft ein Trennglied zum Verbinden von zwei mit Koaxial-Steckverbindern abgeschlossenen Koaxialkabel mit galvanischer Trennung der Innenleiter und der Kabelmetallmäntel. Durch die Ausbildung des Gehäuses des Trenngliedes und durch die Verwendung besonders ausgebildeter Trennkondensatoren und ihres Einbaues in das Gehäuse wird ein vollständig HF-geschirmtes Trennglied erhalten, bei dem die HF-mäßige Durchschaltung der Kabelmetallmäntel der zu verbindenden Koaxialkabel besonders niederohmig ist.

IPC 1-7

**H01R 17/12**

IPC 8 full level

**H01R 13/646** (2011.01)

CPC (source: EP)

**H01R 24/42** (2013.01); **H01R 2103/00** (2013.01)

Cited by

NL9301604A; EP3029782A1; CN105680218A; US9853338B2

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0161486 A2 19851121**; **EP 0161486 A3 19870805**; **EP 0161486 B1 19891108**; AT E47939 T1 19891115; DE 3414811 A1 19851031; DE 3414811 C2 19870115

DOCDB simple family (application)

**EP 85104346 A 19850410**; AT 85104346 T 19850410; DE 3414811 A 19840419