

Title (en)

COAXIAL CONNECTOR WITH INGRESS REDUCTION SHIELD

Title (de)

KOAXIALVERBINDER MIT EINDRINGUNGSREDUKTIONABSCHIRMUNG

Title (fr)

CONNECTEUR COAXIAL À BLINDAGE DE RÉDUCTION D'ENTRÉE

Publication

**EP 2745358 B1 20190710 (EN)**

Application

**EP 12873733 A 20121213**

Priority

- US 201261620335 P 20120404
- US 201213712828 A 20121212
- US 2012069432 W 20121213

Abstract (en)

[origin: WO2013151589A1] The present invention relates to s coaxial connector having a technical feature of a shield against unwanted radio frequency transfer in coaxial cable installations. Effective shields include perforated structures such as screens, fabrics, perforated plates, and perforated disks. In effect, these shields are waveguides tending to attenuate and/or reject passage of certain frequencies. An embodiment of the invention provides a smaller entry hole of 2 to 3.5 mm with a nominal thickness of between 0.5 to 1.5 mm. This combination of hole size and thickness acts as a waveguide to restrict ingress of low frequencies, typically under 100Mhz by 20-40dB of that of an open-ended F port.

IPC 8 full level

**H01R 13/6474** (2011.01); **H01R 13/658** (2011.01); **H01R 24/44** (2011.01)

CPC (source: EP)

**H01R 13/6474** (2013.01); **H01R 13/658** (2013.01); **H01R 24/44** (2013.01)

Citation (examination)

- US 2011045694 A1 20110224 - CHEE ALEXANDER B [US]
- WO 9833245 A1 19980730 - RAYCHEM CORP [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2013151589 A1 20131010**; EP 2745358 A1 20140625; EP 2745358 A4 20150812; EP 2745358 B1 20190710

DOCDB simple family (application)

**US 2012069432 W 20121213**; EP 12873733 A 20121213