

Title (en)

COAXIAL CONNECTOR WITH INGRESS REDUCTION SHIELD

Title (de)

KOAXIALVERBINDER MIT EINDRINGUNGSREDUKTIONSABSCHIRMUNG

Title (fr)

CONNECTEUR COAXIAL À BLINDAGE DE RÉDUCTION D'ENTRÉE

Publication

**EP 2745358 A4 20150812 (EN)**

Application

**EP 12873733 A 20121213**

Priority

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- US 2012069432 W 20121213

Abstract (en)

[origin: WO2013151589A1] The present invention relates to a 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

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CPC (source: EP)

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Citation (search report)

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- [Y] US 2010081321 A1 20100401 - MALLOY ALLEN L [US], et al
- [Y] DE 102007013587 A1 20081002 - ROHDE & SCHWARZ [DE]
- See references of WO 2013151589A1

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