

Title (en)  
COUPLER FOR A COAXIAL CABLE

Title (de)  
KOPPLER FÜR EIN KOAXIALKABEL

Title (fr)  
COUPLEUR POUR CÂBLE COAXIAL

Publication  
**EP 2530781 A4 20130612 (EN)**

Application  
**EP 10844829 A 20101014**

Priority  
• RU 2010102804 A 20100128  
• RU 2010000585 W 20101014

Abstract (en)  
[origin: EP2530781A1] The coupler comprises a section of coaxial line which is coupled to a coaxial cable. The central conductor of the section of coaxial line with a dielectric insulator is coupled electrically to the inner conductor of the coaxial cable via an opening formed in the dielectric jacket, in the outer conductor, in the insulating layer and in the inner conductor of the coaxial cable, in such a way as to make it possible to fit the central conductor with the dielectric insulator of the section of coaxial line in the opening formed in the inner conductor of the coaxial cable. A metallic plate with an inner surface turned towards the dielectric jacket of the coaxial cable is introduced and is designed in terms of shape and dimensions so as to correspond to the shape and dimensions of the dielectric jacket of the coaxial cable. The opening is formed with a diameter equal to the outer diameter of the dielectric insulator. The metallic plate and the outer conductor of the section of coaxial line are connected to one another and are free from a DC-isolated contact with the outer conductor of the coaxial cable. Therefore, all of the DC-isolated connections are replaced by capacitive connections in the device.

IPC 8 full level  
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CPC (source: EP)  
**H01P 5/026** (2013.01); **H01P 5/183** (2013.01); **H01R 24/42** (2013.01); **H01R 24/54** (2013.01); **H01R 13/6625** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)  
• [X] US 5689218 A 19971118 - STEIN RICHARD P [US], et al  
• [XI] US 5171162 A 19921215 - KAUFMAN THEODORE P [US]  
• [A] US 2004222867 A1 20041111 - ANTKOWIAK MAREK EDWARD [US]  
• [A] US 2694182 A 19541109 - EDLEN GEORGE G, et al  
• See references of WO 2011093739A1

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