

Title (en)  
COAXIAL CABLE

Title (de)  
KOAXIALKABEL

Title (fr)  
CÂBLE COAXIAL

Publication  
**EP 2202756 A4 20120418 (EN)**

Application  
**EP 08764612 A 20080523**

Priority  
• JP 2008059566 W 20080523  
• JP 2007247651 A 20070925

Abstract (en)  
[origin: EP2202756A1] To provide a coaxial cable for high frequency transmission in which an insulator layer formed to cover the inner conductor in the coaxial cable has sufficient lateral pressure resistance, and low attenuation in transmission. Foam molding of a resin composition containing a cyclic olefin-based resin, a high density polyethylene, and a low density polyethylene and/or a linear low-density polyethylene enables formation of an insulating layer that has a high extent of foaming, and is excellent in mechanical strength, as compared with conventional insulating layers. Consequently, the insulator layer formed by covering the inner conductor in a coaxial cable will have a low dielectric dissipation factor and relative permittivity whereby a coaxial cable for high frequency transmission that is excellent in transmission characteristics and mechanical characteristics can be provided.

IPC 8 full level  
**H01B 7/02** (2006.01); **H01B 3/44** (2006.01); **H01B 11/18** (2006.01)

CPC (source: EP)  
**H01B 3/441** (2013.01); **H01B 11/1839** (2013.01); **H01B 13/016** (2013.01)

Citation (search report)  
• [A] US 2002088641 A1 20020711 - MURGA PATRICIO G [MX], et al  
• [A] WO 03040219 A1 20030515 - RADIO FREQUENCY SYSTEMS INC [US], et al  
• See references of WO 2009041115A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2202756 A1 20100630; EP 2202756 A4 20120418; EP 2202756 B1 20130410**; CN 101809680 A 20100818; CN 101809680 B 20140528; JP 5281579 B2 20130904; JP WO2009041115 A1 20110120; KR 101131132 B1 20120403; KR 20100046281 A 20100506; TW 200915354 A 20090401; WO 2009041115 A1 20090402

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**EP 08764612 A 20080523**; CN 200880108311 A 20080523; JP 2008059566 W 20080523; JP 2009534211 A 20080523; KR 20107006982 A 20080523; TW 97122390 A 20080616