

Title (en)  
COAXIAL CABLE

Title (de)  
KOAXIALKABEL

Title (fr)  
CÂBLE COAXIAL

Publication  
**EP 2202759 A4 20130116 (EN)**

Application  
**EP 08764615 A 20080523**

Priority  
• JP 2008059569 W 20080523  
• JP 2007247652 A 20070925

Abstract (en)  
[origin: EP2202759A1] 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. [Means for Solving the Problem] Foam molding of a resin composition containing a cyclic olefin-based resin, 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 11/18** (2006.01); **H01B 3/44** (2006.01); **H01B 7/02** (2006.01)

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

Citation (search report)  
• [XY] US 6121335 A 20000919 - HIGASHIKUBO TAKASHI [JP], et al  
• [Y] US 6335490 B1 20020101 - HIGASHIKUBO TAKASHI [JP], et al  
• [YD] JP 2000311519 A 20001107 - SUMITOMO ELECTRIC INDUSTRIES  
• [Y] EP 1026189 A1 20000809 - NIPPON ZEON CO [JP]  
• [Y] JP H0836920 A 19960206 - SHOWA ELECTRIC WIRE & CABLE CO  
• [YD] JP 2000297172 A 20001024 - MITSUBISHI CABLE IND LTD  
• [A] JP 2001135145 A 20010518 - NIPPON UNICAR CO LTD  
• [A] JP 2007237645 A 20070920 - FUJIKURA LTD  
• [XY] US 6492596 B1 20021210 - HIGASHIKUBO TAKASHI [JP], et al  
• See references of WO 2009041116A1

Cited by  
US11145437B2

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 2202759 A1 20100630**; **EP 2202759 A4 20130116**; CN 101809682 A 20100818; CN 101809682 B 20130213; JP 5281580 B2 20130904; JP WO2009041116 A1 20110120; KR 101131131 B1 20120403; KR 20100046282 A 20100506; TW 200915353 A 20090401; WO 2009041116 A1 20090402

DOCDB simple family (application)  
**EP 08764615 A 20080523**; CN 200880108312 A 20080523; JP 2008059569 W 20080523; JP 2009534212 A 20080523; KR 20107006983 A 20080523; TW 97122388 A 20080616