

Title (en)
COAXIAL CABLE

Title (de)
KOAXIALKABEL

Title (fr)
CÂBLE COAXIAL

Publication
EP 2202759 A1 20100630 (EN)

Application
EP 08764615 A 20080523

Priority
• JP 2008059569 W 20080523
• JP 2007247652 A 20070925

Abstract (en)
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)

Cited by
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EP 08764615 A 20080523; CN 200880108312 A 20080523; JP 2008059569 W 20080523; JP 2009534212 A 20080523; KR 20107006983 A 20080523; TW 97122388 A 20080616