

Title (en)  
COAXIAL CABLE

Title (de)  
KOAXIALKABEL

Title (fr)  
CÂBLE COAXIAL

Publication  
**EP 2351051 A1 20110803 (DE)**

Application  
**EP 09744363 A 20091020**

Priority  
• EP 2009063757 W 20091020  
• CH 17012008 A 20081030

Abstract (en)  
[origin: WO2010049315A1] The invention relates to a coaxial cable (10) comprising a central inner conductor (11) that is concentrically surrounded by an outer conductor (12) at a specified distance, wherein the intermediate space between the inner conductor (11) and outer conductor (12) is filled with a dielectric (13). A coaxial cable having especially good mechanical and electrical properties is achieved by the dielectric (13) comprising a plurality of hollow fibers (14, 15, 19) that extend in the longitudinal direction of the cable and are composed of a glass, and by at least the inner conductor (11) having a thermal expansion coefficient that is matched to the dielectric (13) with regard to a least possible temperature-related phase change in the coaxial cable (10).

IPC 8 full level  
**H01B 11/18** (2006.01)

CPC (source: EP US)  
**H01B 11/1843** (2013.01 - EP US); **H01B 11/1817** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010049315A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**CH 699805 A2 20100430**; CN 102197442 A 20110921; EP 2351051 A1 20110803; IL 212446 A0 20110630; JP 2012507128 A 20120322; US 2011209892 A1 20110901; WO 2010049315 A1 20100506

DOCDB simple family (application)  
**CH 17012008 A 20081030**; CN 200980142787 A 20091020; EP 09744363 A 20091020; EP 2009063757 W 20091020; IL 21244611 A 20110426; JP 2011533675 A 20091020; US 99851209 A 20091020