

Title (en)
ELECTRIC CABLE RESISTANT TO PARTIAL DISCHARGES

Title (de)
TEILENTLADUNGSBESTÄNDIGES ELEKTRISCHES KABEL

Title (fr)
CÂBLE ÉLECTRIQUE RÉSISTANT AUX DÉCHARGES PARTIELLES

Publication
EP 2557572 B1 20160406 (FR)

Application
EP 12179482 A 20120807

Priority
FR 1157253 A 20110809

Abstract (en)
[origin: EP2557572A1] The cable (1) has a polyimide layer (3) surrounding a conductive element (2), where a fluorinated layer (4) including a fluorinated compound i.e. PTFE surrounds the polyimide layer. A semiconductor layer includes PTFE, where the total thickness of all fluorinated layers is 0.4 mm. The semiconductor layer is positioned on a surface around the fluorinated layer, or between the polyimide layer and the fluorinated layer, or between the conducting element and the polyimide layer, or a combination, where the fluorinated layer appears as ribbons.

IPC 8 full level
H01B 3/00 (2006.01); **H01B 3/30** (2006.01); **H01B 3/44** (2006.01); **H01B 7/28** (2006.01)

CPC (source: EP US)
H01B 3/004 (2013.01 - EP US); **H01B 3/306** (2013.01 - EP US); **H01B 3/445** (2013.01 - EP US); **H01B 7/2813** (2013.01 - EP US);
H01B 7/0216 (2013.01 - EP US)

Cited by
EP3358575A1; FR3033929A1; GB2506484A; GB2506484B; FR3062748A1; US10090080B2; WO2016146946A1; WO2014209737A1;
US9455069B2

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2557572 A1 20130213; EP 2557572 B1 20160406; CN 102956318 A 20130306; ES 2581605 T3 20160906; FR 2979032 A1 20130215;
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