

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

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