

Title (en)
ELECTRIC CABLE RESISTANT TO PARTIAL DISCHARGES

Title (de)
TEILENTLADUNGSBESTÄNDIGES ELEKTRISCHES KABEL

Title (fr)
CÂBLE ÉLECTRIQUE RÉSISTANT AUX DÉCHARGES PARTIELLES

Publication
EP 2557572 A1 20130213 (FR)

Application
EP 12179482 A 20120807

Priority
FR 1157253 A 20110809

Abstract (en)
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.

Abstract (fr)
La présente invention concerne un câble électrique (1) comprenant : - un élément conducteur (2), - une première couche (3) comprenant du polyimide (PI) entourant ledit élément conducteur (2), - une deuxième couche (4) fluorée comprenant au moins un composé fluoré, entourant ladite première couche, et - optionnellement au moins une couche semi-conductrice fluorée comprenant au moins un composé fluoré, caractérisé en ce que l'épaisseur totale de l'ensemble des couches fluorées est d'au moins 0,4 mm.

IPC 8 full level
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Citation (applicant)
EP 1498909 A1 20050119 - DU PONT [US]

Citation (search report)
• [ID] EP 1498909 A1 20050119 - DU PONT [US]
• [I] WO 02084674 A2 20021024 - JUDD WIRE INC [US], et al

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

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