

Title (en)

Electrical cable with reduced corrosion and improved fire resistance

Title (de)

Stromkabel mit begrenzter Korrosion und verbesserter Feuerbeständigkeit

Title (fr)

CÂBLE ÉLECTRIQUE À CORROSION LIMITÉE ET À RÉSISTANCE AU FEU AMÉLIORÉE

Publication

**EP 2544190 B1 20160406 (FR)**

Application

**EP 12174688 A 20120703**

Priority

- FR 1156011 A 20110704
- FR 1156016 A 20110704

Abstract (en)

[origin: EP2544190A1] The cable (1) has an elongated central conducting element (4) surrounded by an external layer (2) including an assembly of two metal strands (2a, 3a), where the assembly of the metal strands is intended to impart an even surface to the external layer. The entire periphery of the two metal strands includes a hydrated alumina layer, where the hydrated alumina layer is one of a monohydrate alumina layer, a polyhydrate alumina layer, and a boehmite layer. The metal strands have a cross-section of Z-shape or trapezoidal shape, where the alumina layer breaks at a connecting region. An independent claim is also included for a method for manufacturing an electric cable.

IPC 8 full level

**H01B 3/00** (2006.01); **H01B 3/10** (2006.01); **H01B 7/29** (2006.01)

CPC (source: EP)

**H01B 3/004** (2013.01); **H01B 3/105** (2013.01); **H01B 7/292** (2013.01)

Cited by

US10957468B2; US10726975B2; US9859038B2; US10586633B2; WO2022180332A1; FR3120236A1

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 2544190 A1 20130109**; **EP 2544190 B1 20160406**; AU 2012203900 A1 20130124; BR 102012016455 A2 20130730; CL 2012001794 A1 20121109; CN 102867586 A 20130109; CN 102867586 B 20180105; ES 2581802 T3 20160907; PE 20130370 A1 20130413

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