

Title (en)
Method for manufacturing an electric cable comprising a hydrophobic coating

Title (de)
Verfahren zur Herstellung eines Elektrokabels mit wasserabweisender Ummantelung

Title (fr)
Procédé pour fabriquer un cable électrique comprenant un revêtement hydrophobe

Publication
EP 2693447 B1 20140723 (FR)

Application
EP 13174520 A 20130701

Priority
FR 1257527 A 20120802

Abstract (en)
[origin: EP2693447A1] The method involves forming an alumina porous hydroxide layer (2) having pores. An elongated electric conductive element (1) is positioned around the hydroxide layer, where the conductive element is made of aluminum or alloy from aluminum. The pores of the alumina porous hydroxide layer are partially filled with a hydrophobic material (3) that is selected among fluorinated polymers, esters and the fatty-acids. The aluminum hydroxide layer porous is partially dissolved in an acid solution including chromic acid and phosphoric acid to form a hydrophobic coating (4). An independent claim is also included for an electric cable.

IPC 8 full level
H01B 7/28 (2006.01); **H01B 3/12** (2006.01); **H01B 5/00** (2006.01); **H01B 17/50** (2006.01)

CPC (source: EP)
H01B 3/12 (2013.01); **H01B 7/2813** (2013.01); **H01B 13/00** (2013.01); **H01B 5/004** (2013.01)

Cited by
US2015279518A1; WO2014064370A1; US10600535B2

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