

Title (en)
Electrical transport conductor for overhead line

Title (de)
Elektrischer Übertragungsleiter für eine Freileitung

Title (fr)
Conducteur de transport électrique pour ligne aérienne

Publication
EP 1816654 B1 20150429 (FR)

Application
EP 07300754 A 20070131

Priority
FR 0650354 A 20060201

Abstract (en)
[origin: EP1816654A2] The method involves impregnating continuous fibers by an epoxy resin matrix, where the fibers are included in a central composite core (1). The core is covered with an insulating material layer (2), where the insulating material is compatible with an operation temperature and is installed on the core without higher heating. Conductor wires (3) are wound on the composite core, where the wires are made of aluminum or aluminum alloy. An independent claim is also included for an electric transport conductor comprising a set of central composite cores.

IPC 8 full level
H01B 5/10 (2006.01)

CPC (source: EP KR US)
H01B 1/023 (2013.01 - KR); **H01B 5/105** (2013.01 - EP KR US); **H01B 9/006** (2013.01 - KR); **H01B 9/008** (2013.01 - KR);
H01B 13/14 (2013.01 - KR)

Cited by
EP2639797A1; WO2013135489A1; WO2011143541A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1816654 A2 20070808; EP 1816654 A3 20140430; EP 1816654 B1 20150429; AU 2007200369 A1 20070816; AU 2007200369 B2 20130124;
BR PI0700216 A 20071106; CA 2575625 A1 20070801; CA 2575625 C 20150407; FR 2896911 A1 20070803; FR 2896911 B1 20080321;
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KR 20070010295 A 20070131; US 69879507 A 20070126