

Title (en)
Electrical transport conductor for overhead line

Title (de)
Elektrischer Übertragungsleiter für Freileitung

Title (fr)
Conducteur de transport électrique pour une ligne aérienne

Publication
EP 1928001 B1 20090916 (FR)

Application
EP 07121598 A 20071127

Priority
FR 0655250 A 20061201

Abstract (en)
[origin: EP1928001A1] The conductor has central composite rods (1A-1C) constituted of continuous carbon fibers impregnated by a matrix of thermosetting resin i.e. epoxy resin. The rods are respectively covered with layers (2A-2C) of insulating material, and conducting wires (3) made of aluminum or aluminum alloy are wound around the rods. A short-circuiting device short-circuits the fibers and the wires, and is arranged at an end of the conductor.

IPC 8 full level
H01B 3/36 (2006.01); **H01B 3/47** (2006.01); **H01B 5/10** (2006.01); **H01B 7/18** (2006.01); **H01B 7/26** (2006.01); **H01B 7/30** (2006.01); **H02G 1/14** (2006.01)

CPC (source: EP US)
H01B 3/427 (2013.01 - EP US); **H01B 3/428** (2013.01 - EP US); **H01B 5/105** (2013.01 - EP US)

Cited by
EP2410534A1; ITM20101355A1; FR3122498A1; WO2022229562A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1928001 A1 20080604; **EP 1928001 B1 20090916**; AT E443335 T1 20091015; DE 602007002461 D1 20091029; ES 2333555 T3 20100223; FR 2909481 A1 20080606; FR 2909481 B1 20090123; US 2008128155 A1 20080605; US 7683262 B2 20100323

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