

Title (en)
Helical electrical cable

Title (de)
Spiralförmiges elektrisches Kabel

Title (fr)
Câble électrique hélicoïdal

Publication
EP 1688968 A1 20060809 (FR)

Application
EP 05300095 A 20050204

Priority
EP 05300095 A 20050204

Abstract (en)
The cable has four groups (P1-P4) wound between them in order to form a helix of groups. Each group has two twisted conductive wires (FC11,FC12). Pitches (L1,L2,L3) of the helix of the groups varies along the cable between three limit values of same sign according to periodic function e.g. sinusoidal function. Independent claims are also included for the following: (1) a method of fabricating a helicoidal electric cable (2) a device for fabricating a helicoidal electric cable.

IPC 8 full level
H01B 13/04 (2006.01)

CPC (source: EP KR US)
H01B 7/06 (2013.01 - KR); **H01B 11/02** (2013.01 - EP US); **H01B 11/04** (2013.01 - KR); **H01B 13/04** (2013.01 - EP US);
D07B 2301/251 (2013.01 - EP US); **D07B 2301/3591** (2013.01 - EP US)

Citation (search report)
• [A] EP 1174886 A2 20020123 - KERPENWERK GMBH [DE]
• [DA] US 6318062 B1 20011120 - DOHERTY JOHN [US]

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FR2949274A1; US2016336095A1; US10115499B2; EP2131370A1; WO2011020967A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1688968 A1 20060809; KR 101213771 B1 20121218; KR 20060089680 A 20060809; US 2006175076 A1 20060810;
US 2008134655 A1 20080612; US 2009126969 A1 20090521; US 7497070 B2 20090303; US 7663058 B2 20100216; US 8069644 B2 20111206

DOCDB simple family (application)
EP 05300095 A 20050204; KR 20060010887 A 20060203; US 1273408 A 20080205; US 28884908 A 20081023; US 34235006 A 20060126