

Title (en)
Flexible electric cable

Title (de)
Flexible elektrische Leitung

Title (fr)
Câble électrique flexible

Publication
EP 2031604 A3 20131225 (DE)

Application
EP 08012712 A 20080715

Priority
DE 202007012165 U 20070831

Abstract (en)
[origin: EP2031604A2] The conductor has wires (3, 4, 5, 6) comprising an insulation and surrounded by a common shell from an insulating material. A non-metallic pulling and bulging-stable carrier (1) is arranged in a core (K) and surrounded by a layer (2) from insulating material. The layer from the insulating material is surrounded by a sliding layer from a material e.g. polytetrafluoroethylene, with good sliding properties. The carrier comprises fibers that are embedded completely in a binding material e.g. polyester resin.

IPC 8 full level
H01B 7/04 (2006.01); **H01B 7/18** (2006.01); **H01B 9/00** (2006.01)

CPC (source: EP KR US)
H01B 7/0009 (2013.01 - KR); **H01B 7/02** (2013.01 - KR); **H01B 7/041** (2013.01 - KR); **H01B 7/1895** (2013.01 - EP KR US); **H01B 9/003** (2013.01 - KR); **H01B 7/041** (2013.01 - EP US); **H01B 9/003** (2013.01 - EP US)

Citation (search report)

- [E] EP 2019394 A1 20090128 - NEXANS [FR]
- [XA] WO 9945549 A1 19990910 - GORE & ASS [US], et al
- [AD] DE 19914924 A1 20001005 - ALCATEL SA [FR]

Cited by
CN102867568A; CN109767871A; US9787066B2; US10290392B2; WO2014068562A1; WO2014006622A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 202007012165 U1 20071122; EP 2031604 A2 20090304; EP 2031604 A3 20131225; KR 20090023121 A 20090304; US 2009056974 A1 20090305; US 8071880 B2 20111206

DOCDB simple family (application)
DE 202007012165 U 20070831; EP 08012712 A 20080715; KR 20080080389 A 20080818; US 22867308 A 20080814