

Title (en)

ELECTRICAL CABLE AND METHOD FOR PRODUCING AN ELECTRICAL CABLE BUNDLE

Title (de)

ELEKTRISCHE LEITUNG SOWIE VERFAHREN ZUR HERSTELLUNG EINES ELEKTRISCHEN LEITUNGSBÜNDELS

Title (fr)

CÂBLE ÉLECTRIQUE AINSI QUE PROCÉDÉ DE PRODUCTION D'UN TORON DE CÂBLES ÉLECTRIQUES

Publication

EP 3103121 A1 20161214 (DE)

Application

EP 15707289 A 20150202

Priority

- DE 102014201992 A 20140204
- EP 2015052097 W 20150202

Abstract (en)

[origin: WO2015117926A1] The invention relates to an electrical cable (2) comprising a cable bundle (4) formed by at least two single wires (6), each single wire comprising a conductor (8) surrounded by insulation (10). An adhesive layer (12) is applied to at least one, preferably to all single wires (6), surrounding the insulator (10) in a ring-like manner, via which adhesive layer the single wires (6) are adhered to one another. The cable bundle (4) does not also comprise a cable sheath surrounding the cable bundle (4). In particular, the adhesive layer is formed by a reactive coating that is cured after activation so that a thermally stable connection can be achieved. In particular, the cable bundle is formed by single wires (6) that are twisted with one another, and which are used, in particular, as a data line. This structure, with the adhesive layer (12), removes the need for a cable sheath so that a more compact structure can be achieved. At the same time, the form of the cable bundle (4), in particular the lay length, is fixed, having a positive effect on the transmission characteristics for a data line.

IPC 8 full level

H01B 7/02 (2006.01); **H01B 7/40** (2006.01)

CPC (source: EP KR US)

H01B 7/0275 (2013.01 - EP KR US); **H01B 7/065** (2013.01 - KR); **H01B 7/18** (2013.01 - US); **H01B 7/40** (2013.01 - EP KR US); **H01B 11/002** (2013.01 - US); **H01B 11/02** (2013.01 - US); **H01B 13/012** (2013.01 - KR); **H01B 13/02** (2013.01 - KR); **H01B 13/0214** (2013.01 - US); **H01B 13/228** (2013.01 - US); **H01B 13/0023** (2013.01 - EP US)

Citation (search report)

See references of WO 2015117926A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014201992 A1 20150806; CN 106256007 A 20161221; EP 3103121 A1 20161214; EP 3103121 B1 20180103; JP 2017511957 A 20170427; KR 20160129851 A 20161109; US 2016343471 A1 20161124; WO 2015117926 A1 20150813

DOCDB simple family (application)

DE 102014201992 A 20140204; CN 201580006881 A 20150202; EP 15707289 A 20150202; EP 2015052097 W 20150202; JP 2016549752 A 20150202; KR 20167024402 A 20150202; US 201615228190 A 20160804