

Title (en)
STRANDED CONDUCTORS AND METHOD FOR PRODUCING STRANDED CONDUCTORS

Title (de)
LITZENLEITER UND VERFAHREN ZUR HERSTELLUNG VON LITZENLEITERN

Title (fr)
CONDUCTEUR MULTIBRINS ET PROCÉDÉ DE FABRICATION DE CONDUCTEURS MULTIBRINS

Publication
EP 3025356 A1 20160601 (DE)

Application
EP 14811779 A 20141106

Priority
• DE 102013222529 A 20131106
• EP 2014073973 W 20141106

Abstract (en)
[origin: WO2015067717A1] The invention relates to a stranded conductor (2) comprising a number of individual wires (4, 6), wherein multiple identically designed individual wires (4) are arranged about a central inner wire (6) as outer wires (4). The individual wires (4, 6) form a composite which is encased by an insulation (12), and the outer wires (4) are uncompressed and have a non-round cross-section such that when seen in cross-section, the outer wires (4) expand radially outwards starting from the inner wire (6). The composite of individual wires (4, 6) is not compressed such that the composite has a high alternate bending strength.

IPC 8 full level
H01B 7/00 (2006.01)

CPC (source: EP KR RU US)
H01B 7/00 (2013.01 - RU); **H01B 7/0009** (2013.01 - EP KR US); **H01B 7/0045** (2013.01 - KR); **H01B 7/04** (2013.01 - US);
H01B 7/17 (2013.01 - KR); **H01B 13/0036** (2013.01 - KR US); **H01B 13/016** (2013.01 - KR); **H01B 13/02** (2013.01 - US);
H01B 13/06 (2013.01 - US)

Citation (search report)
See references of WO 2015067717A1

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 102013222529 A1 20150507; CN 105745722 A 20160706; CN 105745722 B 20180323; EP 3025356 A1 20160601;
EP 3025356 B1 20170111; HU E031391 T2 20170728; JP 2016539485 A 20161215; JP 6326504 B2 20180516; KR 101831668 B1 20180223;
KR 20160083085 A 20160711; PL 3025356 T3 20171229; PT 3025356 T 20170411; RU 2016111940 A 20171211; RU 2642498 C2 20180125;
US 2016247602 A1 20160825; US 9887022 B2 20180206; WO 2015067717 A1 20150514

DOCDB simple family (application)
DE 102013222529 A 20131106; CN 201480060955 A 20141106; EP 14811779 A 20141106; EP 2014073973 W 20141106;
HU E14811779 A 20141106; JP 2016551048 A 20141106; KR 20167014972 A 20141106; PL 14811779 T 20141106; PT 14811779 T 20141106;
RU 2016111940 A 20141106; US 201615146009 A 20160504