

Title (en)
ELECTRICAL CONDUCTOR FOR AERONAUTICAL APPLICATIONS

Title (de)
ELEKTRISCHER LEITER FÜR LUFTFAHRTANWENDUNGEN

Title (fr)
CONDUCTEUR ELECTRIQUE POUR DES APPLICATIONS AERONAUTIQUES

Publication
EP 3179483 A1 20170614 (FR)

Application
EP 16199394 A 20161117

Priority
FR 1562065 A 20151209

Abstract (en)
[origin: US2017169915A1] A stranded electrical conductor includes a single center strand in aluminum or aluminum alloy (10, 20, 30, 40A, 50A) and a plurality of conductor strands (11, 21, 31, 41, 51) arranged in at least one layer around said center strand. The relation between the diameter of said center strand in aluminum or aluminum alloy and the diameter of said peripheral conductor strands is greater than or equal to 3.

Abstract (fr)
L'invention concerne un conducteur électrique multibrins comprenant un unique brin central en aluminium ou en alliage d'aluminium (10, 20, 30, 40A, 50A) et une pluralité de brins conducteurs (11, 21, 31, 41, 51) disposés en au moins une couche autour de ce brin central. Selon l'invention, le rapport entre le diamètre dudit brin central en aluminium ou en alliage d'aluminium et le diamètre desdits brins conducteurs périphériques est supérieur ou égal à 3.

IPC 8 full level
H01B 7/00 (2006.01); **H01B 1/02** (2006.01); **H01B 5/08** (2006.01)

CPC (source: EP US)
H01B 1/023 (2013.01 - EP US); **H01B 1/026** (2013.01 - EP US); **H01B 5/08** (2013.01 - EP US); **H01B 7/0009** (2013.01 - EP US)

Citation (applicant)
• FR 3009126 A1 20150130 - THALES SA [FR]
• WO 2012073843 A1 20120607 - YAZAKI CORP [JP], et al

Citation (search report)
• [X] JP 2010129257 A 20100610 - SUMITOMO WIRING SYSTEMS
• [A] DE 29802010 U1 19990401 - AUDIOPLAN KUEHN & KUEHN [DE]
• [AD] FR 3009126 A1 20150130 - THALES SA [FR]
• [A] WO 2012073843 A1 20120607 - YAZAKI CORP [JP], et al
• [A] JP 2014175137 A 20140922 - FUJIKURA LTD
• [A] EP 2657944 A2 20131030 - NEXANS [FR]

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

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EP 3179483 A1 20170614; **EP 3179483 B1 20210106**; FR 3045200 A1 20170616; FR 3045200 B1 20181109; US 2017169915 A1 20170615; US 9984791 B2 20180529

DOCDB simple family (application)
EP 16199394 A 20161117; FR 1562065 A 20151209; US 201615373839 A 20161209