

Title (en)  
ELECTRICAL TRANSPORT WIRE IN ALUMINIUM ALLOY WITH HIGH ELECTRICAL CONDUCTIVITY

Title (de)  
DRAHT ZUR BEFÖRDERUNG VON ELEKTRISCHER ENERGIE AUS ALUMINIUMLEGIERUNG MIT HOHER ELEKTRISCHER LEITFÄHIGKEIT

Title (fr)  
FIL DE TRANSPORT ÉLECTRIQUE EN ALLIAGE D'ALUMINIUM À CONDUCTIVITÉ ÉLECTRIQUE ÉLEVÉE

Publication  
**EP 3540745 A1 20190918 (FR)**

Application  
**EP 19167496 A 20131016**

Priority

- FR 1259882 A 20121017
- EP 13789858 A 20131016
- FR 2013052475 W 20131016

Abstract (en)  
[origin: WO2014064370A1] The invention relates to an electrical transport wire made of an aluminum alloy including aluminum, zirconium and unavoidable impurities, characterized in that said alloy includes at least 80 parts by weight of zirconium in the form of precipitates (Al<sub>3</sub>Zr) per 100 parts by weight of zirconium in said alloy.

Abstract (fr)  
L'invention concerne un fil de transport électrique en alliage d'aluminium, comprenant de l'aluminium, du zirconium et des impuretés inévitables, caractérisé en ce que ledit alliage comprend au moins 80 parties en poids de zirconium sous forme de précipités (Al<sub>3</sub>Zr) pour 100 parties en poids de zirconium dans ledit alliage.

IPC 8 full level  
**C22C 21/00** (2006.01); **H01B 1/02** (2006.01); **H01B 13/004** (2006.01)

CPC (source: EP US)  
**B21C 9/00** (2013.01 - EP US); **B21C 37/045** (2013.01 - EP US); **C21D 9/525** (2013.01 - EP US); **C22C 1/026** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US); **C25D 7/0607** (2013.01 - US); **C25D 11/04** (2013.01 - US); **H01B 1/023** (2013.01 - EP US); **H01B 9/008** (2013.01 - US); **H01B 13/0016** (2013.01 - US); **H01B 13/0036** (2013.01 - US); **H01B 13/32** (2013.01 - US); **Y10T 29/49991** (2015.01 - EP US)

Citation (applicant)  
EP 0787811 A1 19970806 - SUMITOMO ELECTRIC INDUSTRIES [JP]

Citation (search report)

- [Y] US 4402763 A 19830906 - SATO KENICHI [JP], et al
- [Y] JP 2009099450 A 20090507 - YAZAKI CORP
- [YD] EP 0787811 A1 19970806 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [Y] EP 0254698 A1 19880127 - RAUFOSS AMMUNISJONSFABRIKKER [NO]
- [Y] US 3961111 A 19760601 - SMITH HAROLD VERNON

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

DOCDB simple family (publication)  
**FR 2996951 A1 20140418**; **FR 2996951 B1 20151127**; AU 2013336455 A1 20150514; AU 2013336455 B2 20170608; BR 112015008375 A2 20170704; EP 2909842 A1 20150826; EP 2909842 B1 20190717; EP 3540745 A1 20190918; EP 3540745 B1 20210303; ES 2869297 T3 20211025; US 10600535 B2 20200324; US 2015279518 A1 20151001; WO 2014064370 A1 20140501

DOCDB simple family (application)  
**FR 1259882 A 20121017**; AU 2013336455 A 20131016; BR 112015008375 A 20131016; EP 13789858 A 20131016; EP 19167496 A 20131016; ES 19167496 T 20131016; FR 2013052475 W 20131016; US 201314434568 A 20131016