

Title (en)  
Electrical conductor

Title (de)  
Elektrischer Leiter

Title (fr)  
Conducteur électrique

Publication  
**EP 1995738 B1 20110921 (DE)**

Application  
**EP 07290651 A 20070521**

Priority  
EP 07290651 A 20070521

Abstract (en)  
[origin: EP1995738A1] The electrical conductor (L) is made up of an electrically conducting material containing aluminum and is surrounded by a protective layer (3) serving as corrosion protection in an area provided for the connection of an electric contact element. The conducting material is formed around a steel wire (1) with a diameter between 0.05 millimeter and 0.2 millimeter and fracture strength of 1000 Newton per square millimeter. The protective layer consists of tin, nickel or silver. An independent claim is also included for a method for manufacturing a conductor.

IPC 8 full level  
**H01B 7/22** (2006.01); **H01B 7/00** (2006.01)

CPC (source: EP KR US)  
**H01B 1/02** (2013.01 - KR); **H01B 1/023** (2013.01 - KR); **H01B 7/0009** (2013.01 - KR); **H01B 7/223** (2013.01 - EP KR US);  
**H01B 7/2806** (2013.01 - KR); **H01B 7/29** (2013.01 - KR); **H01B 7/0009** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US)

Cited by  
CN107230509A; CN103886981A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1995738 A1 20081126; EP 1995738 B1 20110921**; AT E525731 T1 20111015; CN 101755311 A 20100623; CN 101755311 B 20120829;  
KR 20080103020 A 20081126; US 2010263909 A1 20101021; US 8357856 B2 20130122; WO 2008141807 A1 20081127

DOCDB simple family (application)  
**EP 07290651 A 20070521**; AT 07290651 T 20070521; CN 200880025004 A 20080521; EP 2008004050 W 20080521;  
KR 20080047299 A 20080521; US 66617208 A 20080521