

Title (en)  
Electrical lead wire with aluminium or aluminium alloy core

Title (de)  
Elektrischer Draht mit Aluminium- oder Aluminiumlegierungskern

Title (fr)  
Fil Electrique a ame en aluminium ou alliage d'aluminium

Publication  
**EP 1693857 A1 20060823 (FR)**

Application  
**EP 06300106 A 20060203**

Priority  
FR 0550398 A 20050210

Abstract (en)  
The wire (1) has a core (2) provided with a metallic coating layer (3). The coating layer is made of tin or zinc alloy. The thickness of the coating layer is between 0.5 and 10 micrometers. The coating layer is deposited on the core by electrodeposition during which tin and zinc are alloyed. The coating layer does not present prejudicial insulating properties with a better electric operation of a conductor. Independent claims are also included for the following: (1) a multistranded electrical conductor formed by assembling a set of electric wires (2) a monostranded electrical conductor constituted of an electric wire.

IPC 8 full level  
**H01B 1/02** (2006.01)

CPC (source: EP US)  
**H01B 1/023** (2013.01 - EP US)

Citation (applicant)  
GB 790015 A 19580129 - ICI LTD

Citation (search report)

- [X] FR 1156681 A 19580520 - ICI LTD
- [A] US 5601695 A 19970211 - MURANUSHI YOSHIHISA [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07 31 August 1995 (1995-08-31)

Cited by  
WO2017178734A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1693857 A1 20060823**; FR 2881870 A1 20060811; FR 2881870 B1 20111021; US 2006283621 A1 20061221

DOCDB simple family (application)  
**EP 06300106 A 20060203**; FR 0550398 A 20050210; US 35039506 A 20060208