

Title (en)  
Electrical conductor with high tensile strength

Title (de)  
Zugfester elektrischer leiter

Title (fr)  
Conducteur électrique résistant à la traction

Publication  
**EP 2346050 A3 20120725 (DE)**

Application  
**EP 10013736 A 20101018**

Priority  
DE 102009060419 A 20091222

Abstract (en)  
[origin: EP2346050A2] The tension-resistant electrical conductor has a primary inner wire layer and a secondary outer wire layer that are arranged over a central core wire (2). The central core wire is made of copper or a copper alloy. The primary inner wire layer comprises an alternating sequence of copper wires that have higher tensile strength in a circumferential direction and arranged over the central core wire. The secondary outer wire layer is composed exclusively of copper wires (3).

IPC 8 full level  
**H01B 7/00** (2006.01); **H01B 7/04** (2006.01)

CPC (source: EP US)  
**H01B 7/0009** (2013.01 - EP US); **H01B 7/04** (2013.01 - EP US)

Citation (search report)

- [Y] EP 1191545 A1 20020327 - NEXANS [FR]
- [Y] JP 2006147507 A 20060608 - AUTO NETWORK GIJUTSU KENKYUSHO, et al
- [A] US 3339012 A 19670829 - HUTCHINS JR LOREN H
- [A] US 2003037957 A1 20030227 - UENO SATOSHI [JP], et al

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)  
**EP 2346050 A2 20110720; EP 2346050 A3 20120725; EP 2346050 B1 20130724**; CA 2726059 A1 20110622; DE 102009060419 A1 20110630; US 2011147079 A1 20110623

DOCDB simple family (application)  
**EP 10013736 A 20101018**; CA 2726059 A 20101221; DE 102009060419 A 20091222; US 96932010 A 20101215