

Title (en)  
COPPER-ALLOY WIRE ROD AND MANUFACTURING METHOD THEREFOR

Title (de)  
WALZDRAHT AUS EINER KUPFERLEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
FIL EN ALLIAGE DE CUIVRE, ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication  
**EP 2868757 A1 20150506 (EN)**

Application  
**EP 13812970 A 20130702**

Priority  
• JP 2012148919 A 20120702  
• JP 2013068159 W 20130702

Abstract (en)  
{Problem to solve} To provide, at low cost, a copper alloy wire that is excellent in physical strength, elongation, and electrical conductivity, and that is suitable for the use in, for example, magnet wires. {Means to solve} A copper alloy wire containing 0.5 mass% or more of Ag and 0.05 mass% or more of Mg, with the balance being Cu and unavoidable impurities, wherein the copper alloy wire has a tensile strength of 350 MPa or more and an elongation of 7% or more; and a production method.

IPC 8 full level  
**C22C 9/00** (2006.01); **C22F 1/08** (2006.01); **H01B 1/02** (2006.01); **H01B 5/02** (2006.01); **H01B 13/00** (2006.01)

CPC (source: EP KR)  
**B22D 21/00** (2013.01 - KR); **C22C 9/00** (2013.01 - EP KR); **C22F 1/08** (2013.01 - EP KR); **H01B 1/026** (2013.01 - EP KR)

Cited by  
CN105401044A; US10626483B2

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 2868757 A1 20150506**; **EP 2868757 A4 20160427**; **EP 2868757 B1 20190116**; CN 104169448 A 20141126; CN 104169448 B 20171024; JP 5840234 B2 20160106; JP WO2014007258 A1 20160602; KR 101719888 B1 20170324; KR 20150030188 A 20150319; WO 2014007258 A1 20140109

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**EP 13812970 A 20130702**; CN 201380015359 A 20130702; JP 2013068159 W 20130702; JP 2013554697 A 20130702; KR 20147026033 A 20130702