

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 A4 20160427 (EN)**

Application  
**EP 13812970 A 20130702**

Priority  
• JP 2012148919 A 20120702  
• JP 2013068159 W 20130702

Abstract (en)  
[origin: EP2868757A1] {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)

Citation (search report)  
• [I] US 2002066503 A1 20020606 - MATSUI HAKARU [JP], et al  
• [XI] JP 2005089805 A 20050407 - HITACHI CABLE  
• [A] JP 2008081835 A 20080410 - NIKKO KINZOKU KK  
• See references of WO 2014007258A1

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

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 13812970 A 20130702**; CN 201380015359 A 20130702; JP 2013068159 W 20130702; JP 2013554697 A 20130702; KR 20147026033 A 20130702