

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)
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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