

Title (en)
Method of manufacturing wires of Cu-Ag alloys

Title (de)
Verfahren zur Herstellung von Drähten aus Cu-Ag-Legierungen

Title (fr)
Procédé de fabrication de fils d'alliages Cu-Ag

Publication
EP 2873475 B1 20181017 (EN)

Application
EP 14461523 A 20140404

Priority
PL 40344313 A 20130405

Abstract (en)
[origin: EP2873475A1] A method of manufacturing wires, including microwires, of Cu-Ag alloys, in particular of alloys of Cu-(3÷7.9)% Ag by weight, consisting in that the materials in the form of high chemical purity copper and silver are melted at a temperature of 1083÷1300 C in a graphite crucible placed in a furnace, and subsequently continuously cast at a temperature of 1083÷1300 C, in an inert gas atmosphere, using a graphite mould, at primary cooling conditions (mould cooling) and secondary cooling conditions (the solidified alloy after leaving the mould). Thus obtained casting is subjected to the thermo-mechanical treatment.

IPC 8 full level
B22D 11/00 (2006.01); **B22D 11/04** (2006.01); **B22D 11/041** (2006.01)

CPC (source: EP)
B22D 1/002 (2013.01); **B22D 11/004** (2013.01); **B22D 11/005** (2013.01); **B22D 11/04** (2013.01); **B22D 11/059** (2013.01); **B22D 11/1245** (2013.01); **C22F 1/08** (2013.01)

Cited by
CN113736970A; CN115141946A; CN108368565A; EP3460080A4; CN114645153A; 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)
EP 2873475 A1 20150520; EP 2873475 B1 20181017; ES 2706474 T3 20190329; HU E041639 T2 20190528; LT 2873475 T 20190325; PL 221274 B1 20160331; PL 2873475 T3 20190430; PL 403443 A1 20141013; SI 2873475 T1 20190531

DOCDB simple family (application)
EP 14461523 A 20140404; ES 14461523 T 20140404; HU E14461523 A 20140404; LT 14461523 T 20140404; PL 14461523 T 20140404; PL 40344313 A 20130405; SI 201431053 T 20140404