

Title (en)
COPPER ZINC ALLOY

Title (de)
KUPFERZINKLEGIERUNG

Title (fr)
ALLIAGE DE CUIVRE ZINC

Publication
EP 2742161 B1 20161207 (DE)

Application
EP 12735197 A 20120615

Priority
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Abstract (en)
[origin: WO2013023717A2] The invention relates to a copper alloy that has been subjected to a thermo-mechanical treatment, composed of (in wt %) 15.5 to 36.0% Zn, 0.3 to 3.0% Sn, 0.1 to 1.5% Fe, optionally also 0.001 to 0.4% P, optionally also 0.01 to 0.1% Al, optionally also 0.01 to 0.03% Ag, Mg, Zr, In, Co, Cr, Ti, Mn, optionally also 0.05 to 0.5% Ni, the remainder copper and unavoidable contaminants, wherein the microstructure of the alloy is characterized in that the proportions of the main texture layers are at least 10 vol% copper layer, at least 10 vol% S/R layer, at least 5 vol% brass layer, at least 2 vol% Goss layer, at least 2 vol% 22RD-cube layer, at least 0.5 vol% cube layer, and finely distributed iron-containing particles are contained in the alloy matrix.

IPC 8 full level
C22C 9/04 (2006.01)

CPC (source: EP US)
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Cited by
EP2759612A4

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)
WO 2013023717 A2 20130221; WO 2013023717 A3 20130620; BR 112014003377 A2 20170301; CN 103732769 A 20140416; CN 103732769 B 20160817; EP 2742161 A2 20140618; EP 2742161 B1 20161207; JP 2014527578 A 20141016; KR 20140050003 A 20140428; MX 2014000570 A 20140430; TW 201307585 A 20130216; TW I591192 B 20170711; US 2014161661 A1 20140612; US 2014377127 A9 20141225; US 9493858 B2 20161115

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