Title (en)

Copper alloy having excellent corrosion cracking resistance and dezincing resistance, and method for producing same

Title (de)

Kupferlegierung, die exzellente Korrosionsbeständigkeit und Entzinkungsbeständigkeit aufweist, und eine Methode zu deren Herstellung

Title (fr)

Alliage de cuivre, qui a une excellente résistance à la corrosion et au dézincage, et procédure de fabrication

Publication

EP 1508625 B1 20070214 (EN)

Application

EP 03018581 A 20030818

Priority

EP 03018581 A 20030818

Abstract (en)

[origin: EP1508625A1] A copper alloy having an excellent corrosion cracking resistance and an excellent dezincing resistance consists of: 58 to 66 wt% of copper (Cu); 0.1 to 0.8 wt% of Sn; 0.01 to 0.5 wt% of Si; at least one of 0.3 to 3.5 wt% of lead (Pb) , 0.3 to 3.0 wt% of bismuth (Bi) , 0.02 to 0.15 wt% of phosphorus (P), 0.02 to 3.0 wt% of nickel (Ni) and 0.02 to 0.6 wt% of iron (Fe) if necessary; and the balance being zinc (Zn) and unavoidable impurities, wherein the proportion of an alpha phase is 80 vol% or more. The apparent content of zinc (Zn) in the copper alloy is in the range of from 34 to 39 wt%.

IPC 8 full level

C22C 9/04 (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP)

C22C 9/04 (2013.01); **C22F 1/08** (2013.01)

Cited by

EP2119801A4; CN109930026A; CN102851532A; JPWO2013115363A1; CN102851531A; CN102864327A; EP2641292A4; WO2008081947A1; US9601767B2

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DOCDB simple family (publication)

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