

Title (en)

MACHINABLE COPPER-BASED ALLOY AND METHOD FOR PRODUCING THE SAME

Title (de)

ZERSPANBARE KUPFERLEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ALLIAGE USINABLE À BASE DE CUIVRE ET PROCÉDÉ DE FABRICATION DE CE DERNIER

Publication

EP 2417275 A1 20120215 (EN)

Application

EP 09779274 A 20090408

Priority

EP 2009054250 W 20090408

Abstract (en)

[origin: WO2010115462A1] Alloy containing between 1 % and 20% by weight of Ni, between 1 % and 20% by weight of Sn, between 0.5%, 3% by weight of Pb in Cu which represents at least 50% by weight of the alloy; characterized in that the alloy further contains between 0.01 % and 5% by weight of P or B alone or in combination. The invention also pertains to a metallic product having enhanced mechanical resistance at intermediate temperatures (300 °C to 700 °C) and excellent machinability. The metallic product of the invention can be advantageously used for the fabrication of connectors, electromechanical, or micromechanical pieces.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2010115462A1

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