

Title (en)
COPPER ALLOY

Title (de)
KUPFERLEGIERUNG

Title (fr)
ALLIAGE DE CUIVRE

Publication
EP 1873266 A4 20100728 (EN)

Application
EP 06728554 A 20060228

Priority

- JP 2006303738 W 20060228
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- JP 2005055147 A 20050228

Abstract (en)
[origin: EP1873266A1] A copper alloy, containing: Ni and/or Si, and at least one or more of B, Al, As, Hf, Zr, Cr, Ti, C, Fe, P, In, Sb, Mn, Ta, V, S, O, N, Misch metal (MM), Co, and Be, with a balance being Cu and inevitable impurities; the copper alloy having a precipitate X composed of Ni and Si; and a precipitate Y composed of Ni and/or Si, and at least one or more of B, Al, As, Hf, Zr, Cr, Ti, C, Fe, P, In, Sb, Mn, Ta, V, S, O, N, Misch metal (MM), Co, and Be, in which a grain diameter of the precipitate Y is 0.01 to 2 μm .

IPC 8 full level
C22C 9/06 (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP US)
C22C 9/06 (2013.01 - EP US)

Citation (search report)

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- [X] JP H04180531 A 19920626 - NIPPON MINING CO LTD
- [X] US 5846346 A 19981208 - LEE DONG WOO [KR], et al
- [A] JP 2004307905 A 20041104 - SUMITOMO METAL IND
- [A] JP 2005048262 A 20050224 - NIKKO METAL MFG CO LTD
- [A] US 2005028907 A1 20050210 - HASEGAWA KATSUMASA [JP], et al
- [A] US 2004079456 A1 20040429 - MANDIGO FRANK N [US], et al
- See references of WO 2006093140A1

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Designated contracting state (EPC)
DE FR

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EP 1873266 A1 20080102; EP 1873266 A4 20100728; EP 1873266 B1 20120425; CN 101166840 A 20080423; CN 101166840 B 20120718; US 2008047634 A1 20080228; US 2011186187 A1 20110804; WO 2006093140 A1 20060908

DOCDB simple family (application)
EP 06728554 A 20060228; CN 200680006379 A 20060228; JP 2006303738 W 20060228; US 201113083874 A 20110411; US 84607407 A 20070828