

Title (en)

Free-cutting copper alloys

Title (de)

Automatenlegierung auf Kupferbasis.

Title (fr)

Alliage de décolletage à base de cuivre.

Publication

EP 1508626 B1 20060913 (EN)

Application

EP 04077561 A 19981116

Priority

- EP 98953070 A 19981116
- JP 28792198 A 19981009

Abstract (en)

[origin: EP1038981A1] Free-cutting alloys with industrially satisfactory machinability comprising 69 to 79 percent, by weight, of copper, 2.0 to 4.0 percent, by weight, of silicon; 0.02 to 0.4, by weight, of lead and the remaining percent, by weight, of zinc.

IPC 8 full level

C22C 9/04 (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP KR)

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

Cited by

EP3985136A1; DE102020127317A1

Designated contracting state (EPC)

BE DE FI FR GB IT SE

DOCDB simple family (publication)

EP 1038981 A1 20000927; EP 1038981 A4 20030219; EP 1038981 B1 20050126; AU 1054099 A 20000501; AU 738301 B2 20010913; CA 2303512 A1 20000420; CA 2303512 C 20060711; DE 69828818 D1 20050303; DE 69828818 T2 20060105; DE 69833582 D1 20060427; DE 69833582 T2 20070118; DE 69835912 D1 20061026; DE 69835912 T2 20070308; EP 1502964 A1 20050202; EP 1502964 B1 20060301; EP 1508626 A1 20050223; EP 1508626 B1 20060913; JP 2000119774 A 20000425; JP 3917304 B2 20070523; KR 100375426 B1 20030310; KR 20010033101 A 20010425; TW 577931 B 20040301; WO 0022181 A1 20000420

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EP 98953070 A 19981116; AU 1054099 A 19981116; CA 2303512 A 19981116; DE 69828818 T 19981116; DE 69833582 T 19981116; DE 69835912 T 19981116; EP 04077560 A 19981116; EP 04077561 A 19981116; JP 28792198 A 19981009; JP 9805156 W 19981116; KR 20007006464 A 20000609; TW 88103870 A 19990312