

Title (en)
Free cutting brass alloy

Title (de)
Messing mit guter Zerspanbarkeit.

Title (fr)
Laiton à usinage facile.

Publication
EP 1502965 A1 20050202 (EN)

Application
EP 04466021 A 20040729

Priority
CZ 20032094 A 20030801

Abstract (en)
The free cutting brass alloy on the basis of alloy Cu-Zn-Bi is designed primarily for hot and cold moulding, especially for manufacturing rods by cold drawing, and contains 55,0 % to 75,0 % by weight of copper, 0,5 % to 4,0 % by weight of bismuth, zinc residue and incidental tramp elements and impurities, such as 0,001 to 0,2 % by weight of lead and/or 0,001 to 0,3 % by weight of phosphor, 0,001 to 3,0 % by weight of silicon, 0,001 % to 2,0 % by weight of tin, a max. of 0,1 % by weight of aluminum, a max. of 0,4 % by weight of iron, a max. of 0,3 % by weight of nickel and a max. of 0,5 % by weight of other tramp elements on the whole.

IPC 1-7
C22C 9/04

IPC 8 full level
C22C 9/04 (2006.01)

CPC (source: EP)
C22C 9/04 (2013.01)

Citation (search report)

- [X] EP 0457478 A1 19911121 - AMERICAN TELEPHONE & TELEGRAPH [US]
- [X] US 5637160 A 19970610 - BROCK ANDREW J [US], et al
- [Y] EP 1038981 A1 20000927 - SAMBO COPPER ALLOY CO LTD [JP]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 20 10 July 2001 (2001-07-10)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03 29 March 1996 (1996-03-29)
- [X] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05 3 May 2002 (2002-05-03)
- [X] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05 3 May 2002 (2002-05-03)
- [XP] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

Cited by
CN103114222A; CN102658452A; CN103710567A; CN102329981A; CN109022844A; CN103045903A; CN102206772A; CN102477498A; CN109266899A; CN112941363A; US7883589B2; WO2007034571A1

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