

Title (en)
LEAD AND ANTIMONY-FREE BRASS ALLOY

Title (de)
BLEI- UND ANTIMONFREIE MESSINGLEGIERUNG

Title (fr)
ALLIAGE DE LAITON SANS PLOMB ET ANTIMOINE

Publication
EP 4124667 A1 20230201 (DE)

Application
EP 22184790 A 20220713

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Abstract (en)
[origin: MX2022009224A] The invention relates to a lead- and antimony-free brass alloy containing 56 to 66% Cu, 0.1 to 1.5% Mg, less than 0.1% Pb, balance Zn and also unavoidable impurities. Figure 4 Fig. 3 d Cbl 5mm Fig. 4 5mm.

Abstract (de)
Die Erfindung betrifft eine Blei- und Antimonfreie Messinglegierung, enthaltend 56 bis 66% Cu, 0,1 bis 1,5% Mg, weniger als 0,1% Pb, Rest Zn sowie unvermeidbare Verunreinigungen.

IPC 8 full level
C22C 9/04 (2006.01)

CPC (source: EP KR US)
C22C 9/04 (2013.01 - EP KR US); **C22F 1/08** (2013.01 - KR)

Citation (applicant)

- EP 3320122 B1 20200812 - AURUBIS STOLBERG GMBH & CO KG [DE]
- EP 2913415 A1 20150902 - JIAXING IDC PLUMBING & HEATING TECHNOLOGY LTD [CN], et al
- EP 2467507 B1 20190227 - AURUBIS STOLBERG GMBH & CO KG [DE]
- EP 2133437 B1 20110615 - XIAMEN LOTA INT CO LTD [CN]

Citation (search report)

- [X] CN 101161836 A 20080416 - UNIV CENTRAL SOUTH [CN]
- [X] JP H08176707 A 19960709 - SUMITOMO ELECTRIC INDUSTRIES
- [X] JP H06179932 A 19940628 - NIKKO KINZOKU KK
- [X] LEE DONG-BOK ET AL: "The effect of small additions of Zr, Cr, Mg, Al, and Si on the oxidation of 6:4 brass", METALS AND MATERIALS INTERNATIONAL, vol. 8, no. 3, 31 May 2002 (2002-05-31), Seoul, pages 327 - 332, XP093005172, ISSN: 1598-9623, Retrieved from the Internet <URL:https://link.springer.com/content/pdf/10.1007/BF03186103.pdf> DOI: 10.1007/BF03186103
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Citation (third parties)
Third party : Anonymous

- CN 101161836 A 20080416 - UNIV CENTRAL SOUTH [CN]
- WO 2020261603 A1 20201230 - MITSUBISHI MATERIALS CORP [JP]
- EP 3872198 A1 20210901 - MITSUBISHI MATERIALS CORP [JP]

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EP 22184790 A 20220713; AU 202209210 A 20220725; BR 102022014247 A 20220719; CN 202210881217 A 20220726; DE 102021119474 A 20210727; IL 29502422 A 20220724; JP 2022119059 A 20220726; KR 20220093072 A 20220727; MX 2022009224 A 20220726; US 202217874712 A 20220727; ZA 202207823 A 20220714