Title (en)

MACHINABLE LEAD-FREE FORGING COPPER-CONTAINING ALLOYS

Publication

EP 0586197 A3 19940518 (EN)

Application

EP 93306792 A 19930826

Priority

US 93880992 A 19920901

Abstract (en)

[origin: EP0586197A2] Two-phase, alpha + beta , brasses are rendered lead-free while retaining properties - notably, hot working properties. Supplementing bismuth, as substituted for lead with either of the elements phosphorus or indium, assures retention of the hot working properties associated with the conventional, lead-containing "forging" and "architectural" brasses.

IPC 1-7

C22C 9/00; C22F 1/08

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

- [X] EP 0457478 A1 19911121 - AMERICAN TELEPHONE & TELEGRAPH [US]
- [X] US 5137685 A 19920811 - MCDEVITT DAVID D [US], et al
- [X] DE 848708 C 19520908 - WIELAND WERKE AG
- [AD] 'CDA Handbook of Wrought Products, 8th edition' 1985 , COPPER DEVELOPMENT ASSOCIATION INC. , GREENWICH, CONN.

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Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0586197 A2 19940309; **EP 0586197 A3 19940518**; JP H06200340 A 19940719; MX 9305206 A 19940531

DOCDB simple family (application)

EP 93306792 A 19930826; JP 21722393 A 19930901; MX 9305206 A 19930827