

Title (en)

Machinable lead-free forging copper-containing alloys.

Title (de)

Gut zerspannbare bleifreie und Kupfer enthaltende schmiedbare Legierungen.

Title (fr)

Alliages de forgeage sans plomb contenant du cuivre à haute usinabilité.

Publication

EP 0586197 A2 19940309 (EN)

Application

EP 93306792 A 19930826

Priority

US 93880992 A 19920901

Abstract (en)

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)

Cited by

ITUA20163561A1

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