

Title (en)

MOULDED PARTS MADE FROM A CORROSION RESISTANT AND MACHINABLE ALLOY

Title (de)

FORMTEILE AUS EINER KORROSIONSBESTÄNDIGEN UND ZERSPANBAREN KUPFERLEGIERUNG

Title (fr)

PIÈCES MOULÉES D'UN ALLIAGE DE CUIVRE RÉSISTANT À LA CORROSION ET POUVANT ÊTRE USINÉ

Publication

EP 3581667 A2 20191218 (DE)

Application

EP 19179717 A 20190612

Priority

DE 102018004702 A 20180612

Abstract (en)

[origin: CA3045574A1] The present invention concerns a copper alloy, its use and a process for the manufacture of mouldings, and the mouldings made therefrom. The alloy comprises by weight %: Sn: 2 to 6% Zn: 0.1 to 5% S: 0.1 to 0.45 % Pb: less than 0,25 Ni: less than 0.6 Sb: less than 0,2 and optionally phosphorus to a maximum of 0.06% by weight, B to a maximum of 0.03% by weight, Zr to a maximum of 0.03% by weight, and unavoidable impurities, and the balance being Cu.

Abstract (de)

Die vorliegende Erfindung betrifft eine Zinn enthaltende Kupferlegierung, deren Verwendung und ein Verfahren zur Herstellung von Formteilen, sowie die daraus hergestellten Formteile.

IPC 8 full level

C22C 9/02 (2006.01); **C22F 1/08** (2006.01)

CPC (source: CN EP US)

B21D 22/022 (2013.01 - US); **C22C 9/02** (2013.01 - CN EP US); **C22C 9/04** (2013.01 - CN); **C22F 1/08** (2013.01 - EP); **C22C 9/04** (2013.01 - EP)

Citation (applicant)

- EP 2290114 A1 20110302 - KEMPER GMBH & CO KG METALLWERKE GEB [DE]
- US 2012082588 A1 20120405 - KOBAYASHI TAKESKI [JP], et al
- EP 2241643 A1 20101020 - KOBE STEEL LTD [JP]
- EP 3225707 A1 20171004 - REHAU AG & CO [DE], et al
- US 9181606 B2 20151110 - MURRAY MICHAEL [US], et al
- EP 2872660 A1 20150520 - WIELAND WERKE AG [DE]
- EP 1801250 A1 20070627 - VIEGA GMBH & CO KG [DE]
- WO 2007068470 A1 20070621 - KEMPER GEBR GMBH & CO KG [DE], et al

Cited by

WO2020182845A1; WO2020182846A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3581667 A2 20191218; **EP 3581667 A3 20200617**; **EP 3581667 B1 20230412**; CA 3045574 A1 20191212; CA 3045574 C 20220524; CN 110592422 A 20191220; DE 102018004702 A1 20191212; DK 3581667 T3 20230710; JP 2020012193 A 20200123; JP 2022025096 A 20220209; PL 3581667 T3 20230731; US 2019376162 A1 20191212

DOCDB simple family (application)

EP 19179717 A 20190612; CA 3045574 A 20190607; CN 201910505480 A 20190612; DE 102018004702 A 20180612; DK 19179717 T 20190612; JP 2019108120 A 20190610; JP 2021172295 A 20211021; PL 19179717 T 20190612; US 201916436634 A 20190610