

Title (en)

Aluminum bronze with high wear resistance

Title (de)

Aluminiumbronze mit hoher Verschleissfestigkeit

Title (fr)

Bronze à l'aluminium avec une résistance à l'usure élevée

Publication

EP 1279748 B1 20041124 (DE)

Application

EP 02016597 A 20020725

Priority

DE 10136787 A 20010727

Abstract (en)

[origin: EP1279748A1] Aluminum bronze contains 7.5-10 weight % aluminum, 5-14 weight % manganese, 1.5-4 weight % silicon and a balance of copper and the usual impurities of up to 1 weight %. Preferred Features: The aluminum bronze contains 5-9 weight % iron. The aluminum bronze preferably contains 8-9 weight % aluminum, 12-13 weight % manganese, 3-4 weight % silicon and a balance of copper and the usual impurities of up to 1 weight %. The aluminum bronze further contains up to 0.5 weight % lead.

IPC 1-7

C22C 9/00; **C22C 9/01**

IPC 8 full level

C22C 9/00 (2006.01); **C22C 9/01** (2006.01); **C22C 9/05** (2006.01)

CPC (source: EP)

C22C 9/00 (2013.01); **C22C 9/01** (2013.01); **C22C 9/05** (2013.01)

Cited by

CN109321778A; EP3814543B1; JP2021529668A; US11939646B2; US12076788B2; WO2020006205A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1279748 A1 20030129; **EP 1279748 B1 20041124**; DE 10164754 A1 20030313; DE 10164754 B4 20040304

DOCDB simple family (application)

EP 02016597 A 20020725; DE 10164754 A 20010727