

Title (en)

HIGH TEMPERATURE WEAR-RESISTANT ALUMINUM-BRONZE-BASED MATERIAL

Title (de)

HOCHTEMPERATURVERSCHLEISSFESTES MATERIAL AUF ALUMINIUM-BRONZE-BASIS

Title (fr)

MATÉRIAU À BASE D'ALUMINIUM-BRONZE RÉSISTANT À L'USURE À HAUTE TEMPÉRATURE

Publication

EP 3263721 B1 20190529 (EN)

Application

EP 16755004 A 20160224

Priority

- JP 2015034357 A 20150224
- JP 2016000987 W 20160224

Abstract (en)

[origin: EP3263721A1] Provided is a material endowed with high wear resistance in high-temperature environments. This high temperature wear-resistant aluminum-bronze-based material has an Al content of 9.0 mass% to 11.0 mass%, inclusive, an Ni content of 1.0 mass% to 3.0 mass%, inclusive, an Mn content of 8.5 mass% to 15.0 mass%, inclusive, an Si content of 2.0 mass% to 4.0 mass%, inclusive, an Fe content of 0.5 mass% to 5.0 mass%, inclusive, and a Co content of 0.01 mass% to 1.5 mass%, inclusive, with the remainder being substantially Cu.

IPC 8 full level

C22C 9/01 (2006.01); **B22D 27/20** (2006.01); **C22C 9/05** (2006.01)

CPC (source: EP US)

B22D 27/20 (2013.01 - EP US); **C22C 9/01** (2013.01 - EP US); **C22C 9/05** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 16755004 A 20160224; JP 2016000987 W 20160224; JP 2017501943 A 20160224; US 201615551786 A 20160224