

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 A1 20180103 (EN)**

Application

**EP 16755004 A 20160224**

Priority

- JP 2015034357 A 20150224
- JP 2016000987 W 20160224

Abstract (en)

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

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

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 3263721 A1 20180103**; **EP 3263721 A4 20180808**; **EP 3263721 B1 20190529**; JP 6764397 B2 20200930; JP WO2016136254 A1 20171207; US 2018037978 A1 20180208; WO 2016136254 A1 20160901

DOCDB simple family (application)

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