

Title (en)

ALUMINUM ALLOY POWDER FOR HOT FORGING OF SLIDING COMPONENT, METHOD OF PRODUCING THE SAME, ALUMINUM ALLOY FORGED PRODUCT FOR SLIDING COMPONENT, AND METHOD OF PRODUCING THE SAME

Title (de)

ALUMINIUMLEGIERUNGSPULVER ZUM WARMSCHMIEDEN EINER GLEITKOMPONENTE, HERSTELLUNGSVERFAHREN DAFÜR, ALUMINIUMLEGIERUNGSSCHMIEDEPRODUKT FÜR GLEITKOMPONENTE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

POUDRE D'ALLIAGE D'ALUMINIUM POUR FORGEAGE À CHAUD DE COMPOSANTS COULISSANTS, SON PROCÉDÉ DE PRODUCTION, PRODUIT FORGÉ EN ALLIAGE D'ALUMINIUM POUR COMPOSANT COULISSANT ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 3170594 B1 20190403 (EN)

Application

EP 16194363 A 20161018

Priority

JP 2015207274 A 20151021

Abstract (en)

[origin: EP3170594A1] An aluminum alloy powder for hot forging of a sliding component of the present invention includes: Si: 10.0% to 19.0%; Mn: 3.0% to 10.0%; and Al and inevitable impurities as a balance, in which an average size of Si crystal grains is 15 µm or less.

IPC 8 full level

B22F 3/17 (2006.01); **B22F 3/20** (2006.01); **B22F 3/24** (2006.01); **B22F 9/08** (2006.01); **C22C 1/04** (2006.01); **C22C 21/02** (2006.01); **C22F 1/043** (2006.01)

CPC (source: EP)

B22F 3/17 (2013.01); **B22F 3/20** (2013.01); **B22F 9/082** (2013.01); **C22C 1/0416** (2013.01); **C22C 21/02** (2013.01); **C22F 1/043** (2013.01); **B22F 2003/175** (2013.01); **B22F 2003/208** (2013.01); **B22F 2003/248** (2013.01); **B22F 2998/10** (2013.01)

C-Set (source: EP)

B22F 2998/10 + **B22F 9/08** + **B22F 3/14** + **B22F 3/20** + **B22F 3/17**

Cited by

CN112063899A; EP3257957A1; EP3611283A3

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

DOCDB simple family (publication)

EP 3170594 A1 20170524; **EP 3170594 B1 20190403**; JP 2017078213 A 20170427

DOCDB simple family (application)

EP 16194363 A 20161018; JP 2015207274 A 20151021