

Title (en)

Al casting alloy

Title (de)

Al-Gusslegierung

Title (fr)

Alliage fonte-Al

Publication

EP 2700727 A1 20140226 (DE)

Application

EP 13178537 A 20130730

Priority

- DE 102012107787 A 20120823
- DE 102012108321 A 20120907

Abstract (en)

An aluminum cast alloy comprises 3-8 wt.% silicon, 0.3-0.6 wt.% magnesium, 0.25-0.35 wt.% chromium, less than 0.18 wt.% iron, less than 0.06 wt.% manganese, less than 0.16 wt.% titanium, less than 0.006 wt.% copper, 0.010-0.030 wt.% strontium, less than 0.006 wt.% zirconium, less than 0.006 wt.% zinc, and less than 0.1 wt.%, preferably less than 0.005 wt.% unavoidable impurities. Independent claims are included for the following: (1) preparation of aluminum cast alloy; and (2) cast component.

Abstract (de)

Die Erfindung bezieht sich auf eine Al-Gusslegierung.

IPC 8 full level

C22C 21/02 (2006.01); **C22F 1/047** (2006.01)

CPC (source: EP US)

C22C 21/02 (2013.01 - EP US); **C22C 21/04** (2013.01 - EP US); **C22F 1/043** (2013.01 - EP US)

Citation (applicant)

- DE 102008055928 A1 20090827 - KSM CASTINGS GMBH [DE]
- DE 102010026480 A1 20110317 - FILL GMBH [AT], et al

Citation (search report)

[A] DE 102006039684 A1 20080228 - AUDI AG [DE]

Cited by

EP4101941A1; WO2018033177A1

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 2700727 A1 20140226; **EP 2700727 B1 20141217**; CN 103627933 A 20140312; CN 108842101 A 20181120; DE 102013108127 A1 20140227; US 2014056755 A1 20140227; US 9797031 B2 20171024

DOCDB simple family (application)

EP 13178537 A 20130730; CN 201310369431 A 20130822; CN 201810921316 A 20130822; DE 102013108127 A 20130730; US 201313973197 A 20130822