

Title (en)

Pressure cast alloy on an Al-Si basis, comprising secondary aluminium

Title (de)

Druckgusslegierung auf Al-Si-Basis, aufweisend insbesondere Sekundäraluminium

Title (fr)

Alliage à coulée sous pression à base d'Al-Si présentant en particulier un aluminium secondaire

Publication

EP 2657360 B1 20140226 (DE)

Application

EP 12165829 A 20120426

Priority

EP 12165829 A 20120426

Abstract (en)

[origin: EP2657360A1] Die casting alloy based on aluminum-silicon, comprises secondary aluminum, 6-12 wt.% silicon, at least 0.3 wt.% iron, at least 0.25 wt.% manganese, at least 0.1 wt.% copper, 0.24-0.8 wt.% magnesium and 0.40-1.5 wt.% zinc, where the total content of iron and manganese on the die casting alloy is maximum of 1.5 wt.%, and the weight ratio of iron and manganese is 0.35-1.5, and the weight ratio of copper and magnesium is 0.2-0.8.

IPC 8 full level

C22C 21/02 (2006.01); **C22C 21/04** (2006.01)

CPC (source: EP US)

B22D 21/007 (2013.01 - US); **C22C 21/02** (2013.01 - EP US); **C22C 21/04** (2013.01 - EP US)

Cited by

EP3342890A1; EP3342888A1; EP3342889A1; CN111139371A; US11421305B2; EP3235917B1

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 2657360 A1 20131030; EP 2657360 B1 20140226; CA 2871260 A1 20131031; CA 2871260 C 20200922; CN 104350165 A 20150211; CN 104350165 B 20170616; ES 2466345 T3 20140610; PL 2657360 T3 20140930; SI 2657360 T1 20140731; US 2015098859 A1 20150409; WO 2013160108 A2 20131031; WO 2013160108 A3 20131219

DOCDB simple family (application)

EP 12165829 A 20120426; CA 2871260 A 20130410; CN 201380022231 A 20130410; EP 2013057521 W 20130410; ES 12165829 T 20120426; PL 12165829 T 20120426; SI 201230032 T 20120426; US 201314396810 A 20130410