

Title (en)

ALUMINUM ALLOY FOR DIE CASTING, AND DIE-CAST ALUMINUM ALLOY USING SAME

Title (de)

ALUMINIUMLEGIERUNG ZUM DRUCKGIESSEN UND DRUCKGUSSALUMINIUMLEGIERUNG DAMIT

Title (fr)

ALLIAGE D'ALUMINIUM POUR COULÉE SOUS PRESSION ET ALLIAGE D'ALUMINIUM COULÉ SOUS PRESSION L'UTILISANT

Publication

**EP 3121302 A1 20170125 (EN)**

Application

**EP 15883648 A 20150415**

Priority

JP 2015002086 W 20150415

Abstract (en)

Provided are an aluminum alloy for die casting, suitable for important safety-related components in automobiles without significantly worsening corrosion resistance even though containing Cu at a ratio capable of providing an effect of improving mechanical characteristics, and an aluminum alloy die cast obtained through die-casting the alloy. More specifically, the present invention is directed to an aluminum alloy for die casting containing, in wt%, 0.03% < Cu # 0.7%, 6.0% < Si # 11.0%, 0.15% # Mg # 0.50%, 0.05% # Fe # 0.6%, 0.05% # Ti # 0.25%, Mn # 0.8%, 0.10% # Cr # 0.40%, and, for the remaining portion, Al and unavoidable impurities.

IPC 8 full level

**C22C 21/02** (2006.01)

CPC (source: EP KR US)

**C22C 21/02** (2013.01 - EP KR US)

Cited by

EP3342889A1; JP2020152956A; EP3943629A4; DE112017007033B4

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3121302 A1 20170125; EP 3121302 A4 20170531; EP 3121302 B1 20180919**; CN 106255770 A 20161221; JP 5898819 B1 20160406; JP WO2016166779 A1 20170427; KR 20170138916 A 20171218; MX 2016010352 A 20180209; MY 183152 A 20210216; PH 12017500237 A1 20170703; PH 12017500237 B1 20170703; PL 3121302 T3 20190329; US 2017121793 A1 20170504; WO 2016166779 A1 20161020

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