

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 B1 20180919 (EN)

Application

EP 15883648 A 20150415

Priority

JP 2015002086 W 20150415

Abstract (en)

[origin: EP3121302A1] 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)

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Cited by

JP2020152956A; EP3943629A4; EP3342889A1

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DOCDB simple family (publication)

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