

Title (en)

Aluminium alloy for cast parts

Title (de)

Aluminiumlegierung für Gussteil

Title (fr)

Alliage d' aluminium pour pièce coulée

Publication

EP 1840233 A1 20071003 (DE)

Application

EP 06025641 A 20061212

Priority

DE 102006014976 A 20060331

Abstract (en)

Aluminum alloy for cast parts containing wt.% of Si (6.0 -7.5) , Mg (0.14-0.2), Ti (0.1-0.18), and Fe 0.005 , and P, Pb, Sb, Sn, Sr, V, Zr as impurities. The alloy can contain 0.0004-0.0015 wt.% boron. Independent claims are included for listing a cast carrier with a shock absorbing receiver and strengthening ribs, carrier production process by sand- or vacuum pressure casting.

Abstract (de)

Die vorliegende Erfindung stellt eine Aluminiumlegierung zum Gießen, insbesondere für das Sandguss- oder Vakuumdruckgussverfahren, bereit mit 6,0 - 7,5 Gew.-% Silizium, 0,14 - 0,2 Gew.-% Magnesium, 0,1- 0,18 Gew.-% Titan, weniger als 0,005 Gew.-% Eisen, und als Rest Aluminium und unvermeidliche Verunreinigungen.

IPC 8 full level

B22D 18/06 (2006.01); **B22D 21/00** (2006.01); **B22D 21/04** (2006.01); **C22C 21/02** (2006.01)

CPC (source: EP)

B22D 18/06 (2013.01); **B22D 21/007** (2013.01); **C22C 21/02** (2013.01)

Citation (search report)

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CN102051502A

Designated contracting state (EPC)

DE FI FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1840233 A1 20071003; EP 1840233 B1 20100310; DE 102006014976 A1 20071004; DE 502006006391 D1 20100422

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