

Title (en)
Die cast aluminium alloy

Title (de)
Druckgusslegierung aus Aluminiumlegierung

Title (fr)
Alliage à coulée d'aluminium

Publication
EP 1443122 B1 20090729 (DE)

Application
EP 04405023 A 20040112

Priority
• CH 10572003 A 20030617
• CH 942003 A 20030123

Abstract (en)
[origin: EP1443122A1] Aluminum alloy contains (in wt.%) 8.5-10.5 silicon, 0.3-0.8 manganese, maximum 0.06 magnesium, maximum 0.15 iron, maximum 0.03 copper, maximum 0.10 zinc, maximum 0.15 titanium, 0.05-0.5 molybdenum, 30-300 ppm strontium or 5-30 ppm sodium and/or 1-30 ppm calcium for permanent modification, and optionally 0.05-0.3 zirconium, gallium phosphide and/or indium phosphide in a quantity corresponding to 1-250 ppm phosphorous for particle fineness, titanium and boron added via an aluminum pre-alloy with 1-2 titanium and 1-2 boron for particle fineness, and aluminum and unavoidable impurities.

IPC 8 full level
C22C 21/04 (2006.01); **B22D 17/00** (2006.01); **B22D 21/04** (2006.01); **B60B 3/06** (2006.01); **C22C 21/02** (2006.01)

CPC (source: EP KR US)
C22C 21/02 (2013.01 - KR); **C22C 21/04** (2013.01 - EP US)

Cited by
WO2020207708A1; DE102010055011A1; DE102006039684B4; CN109628802A; AT511397A1; AT511397B1; EP1719820A3; DE102019205267B3; EP3124632A1; EP4067521A4; DE102021114484A1; WO2016144274A1; EP4339315A1; EP3235916A1; WO2017182103A1; US11421305B2; DE102021131935A1; WO2023099520A1; DE102013200847A1; DE102021131973A1; WO2023099080A1; US11781202B1

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DOCDB simple family (publication)
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