

Title (en)
Die casting alloy

Title (de)
Druckgusslegierung

Title (fr)
Alliage pour coulée sous pression

Publication
EP 0687742 A1 19951220 (DE)

Application
EP 95810386 A 19950612

Priority
CH 190194 A 19940616

Abstract (en)
A die cast alloy consists of (wt.%): 9.5-11.5 Si, 0.1-5 Mg, 0.5-0.8 Mn, max. 0.15 Fe, max. 0.03 Cu, max. 0.10 Zn, max. 0.15 Ti, the balance Al, and 30-300 ppm Sr, for lasting refinement.

Abstract (de)
Die Druckgusslegierung auf der Basis Aluminium-Silizium enthält 9,5 bis 11,5 Gew.-% Silizium 0,1 bis 0,5 Gew.-% Magnesium 0,5 bis 0,8 Gew.-% Mangan max. 0,15 Gew.-% Eisen max. 0,03 Gew.-% Kupfer max. 0,10 Gew.-% Zink max. 0,15 Gew.-% Titan und als Rest Aluminium sowie zur Dauerveredelung 30 bis 300 ppm Strontium. Die Legierung ist insbesondere geeignet zum Druckgießen von Sicherheitsbauteilen wie beispielsweise Räder von Personenkraftwagen.

IPC 1-7
C22C 21/04; **B60B 3/06**; **C22C 21/02**

IPC 8 full level
C22C 21/02 (2006.01); **C22C 21/04** (2006.01)

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

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