

Title (en)
Precipitation-hardening aluminium alloy and part thereof

Title (de)
Aushärtbare Aluminium-Gussliegerung und Bauteil

Title (fr)
Alliage et pièce en aluminium à durcissement structural

Publication
EP 1215295 B1 20060614 (DE)

Application
EP 01127698 A 20011121

Priority
DE 10062547 A 20001215

Abstract (en)
[origin: EP1215295A1] Hardenable aluminum cast alloy contains alloying additions of 5-10 wt.% silicon, 0.2-0.35 wt.% magnesium, 0.3-3 wt.% nickel and/or 0.6-3 wt.% cobalt. An Independent claim is also included for a component made from the aluminum alloy. Preferably the aluminum alloy contains alloying additions of 6.5-7.5 wt.% silicon, 0.2-0.35 wt.% magnesium, 0.5-2.5 wt.% nickel and/or 0.6-3 wt.% cobalt.

IPC 8 full level
C22C 21/02 (2006.01); **C22F 1/043** (2006.01); **F02F 1/00** (2006.01); **F02F 1/24** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)
C22C 21/02 (2013.01 - EP US); **C22F 1/043** (2013.01 - EP US); **F02F 1/24** (2013.01 - EP US); **F02F 7/00** (2013.01 - EP US);
F05C 2201/021 (2013.01 - EP US); **F05C 2201/903** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
DE FR IT SE

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