

Title (en)  
Casting of an aluminium alloy

Title (de)  
Gussbauteil aus einer Aluminiumlegierung

Title (fr)  
Pièce coulée en alliage d'aluminium

Publication  
**EP 1564308 B1 20060830 (DE)**

Application  
**EP 05100655 A 20050201**

Priority  
CH 1952004 A 20040211

Abstract (en)  
[origin: EP1564308A1] A casting process for producing a cast product comprises providing an aluminum alloy comprising (wt.%) magnesium (2-4), silicon (0.9-1.5), manganese (0.1-0.4), chromium (0.1-0.4), iron (=0.2), copper (=0.1), zinc (=0.2), titanium (=0.2), zirconium (=0.3), beryllium (=0.008), vanadium (=0.5), and aluminum (balance), with further elements and production-induced contaminants (=0.2); and casting the aluminum alloy to produce a cast product. An independent claim is also included for an aluminum alloy with good heat resistance, comprising (wt.%) magnesium (2-4), silicon (0.9-1.5), manganese (0.1-0.4), chromium (0.1-0.4), iron (=0.2), copper (=0.1), zinc (=0.2), titanium (=0.2), zirconium (=0.3), beryllium (=0.008), vanadium (=0.5), and aluminum (balance), with further elements and production-induced contaminants (=0.2).

IPC 8 full level  
**C22C 21/06** (2006.01); **C22C 21/08** (2006.01)

CPC (source: EP KR US)  
**A47K 10/3827** (2013.01 - KR); **C22C 21/08** (2013.01 - EP US)

Cited by  
EP2415889A4

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1564308 A1 20050817**; **EP 1564308 B1 20060830**; AT E338149 T1 20060915; BR PI0500277 A 20050927; CA 2496140 A1 20050811; CN 1654694 A 20050817; DE 5020050000072 D1 20061012; ES 2270403 T3 20070401; JP 2005226161 A 20050825; KR 20050081168 A 20050818; MX PA05001576 A 20050819; NO 20050682 D0 20050209; NO 20050682 L 20050812; US 2005173032 A1 20050811

DOCDB simple family (application)  
**EP 05100655 A 20050201**; AT 05100655 T 20050201; BR PI0500277 A 20050131; CA 2496140 A 20050208; CN 200510009025 A 20050216; DE 5020050000072 T 20050201; ES 05100655 T 20050201; JP 2005033891 A 20050210; KR 20050005296 A 20050120; MX PA05001576 A 20050209; NO 20050682 A 20050209; US 2913005 A 20050104