

Title (en)

Method for fabricating a component from an aluminium alloy by pressure die-casting

Title (de)

Verfahren zur Herstellung eines Bauteiles aus einer Aluminiumlegierung durch Druckgiessen

Title (fr)

Méthode de fabrication d' un composant d' alliage d' aluminium par moulage sous pression

Publication

**EP 0997550 B1 20021009 (DE)**

Application

**EP 99810313 A 19990415**

Priority

- EP 99810313 A 19990415
- EP 98810995 A 19981005

Abstract (en)

[origin: EP0992601A1] Production of an aluminum-based component comprises casting an alloy consisting of (in wt.%): 9.5-11.5 Si, 0.3-0.6 Mn, 0.15-0.35 Fe, 0.1-0.4 Mg, maximum 0.1 Ti, 90-180 ppm Sr, 0.1-0.3 Cr, 0.1-0.3 Ni, 0.1-0.3 Co and a balance of Al with maximum 0.05 wt.% impurities into a component part, partially solution annealing at 400-460o C for 20-120 minutes, and cooling in air.

IPC 1-7

**C22F 1/043**; **C22C 21/04**

IPC 8 full level

**C22C 21/04** (2006.01); **C22F 1/043** (2006.01)

CPC (source: EP)

**C22C 21/04** (2013.01); **C22F 1/043** (2013.01)

Cited by

EP2128276A1; EP2735621A1; EP2138593A3; DE112004001160B4; EP2471967A1; DE102006032699A1; GB2421735A; GB2421735B; DE102006032699B4; DE102018214739A1; US9322086B2; EP1612286A3; WO2010124835A1; WO2008006908A1; DE102008024524A1; US8302979B2; US8567801B2; WO2012022577A3; WO2012089886A3

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0992601 A1 20000412**; AT E225868 T1 20021015; DE 59903009 D1 20021114; DK 0997550 T3 20030210; EP 0997550 A1 20000503; EP 0997550 B1 20021009; ES 2181382 T3 20030216; PT 997550 E 20030228; SI 0997550 T1 20030430

DOCDB simple family (application)

**EP 98810995 A 19981005**; AT 99810313 T 19990415; DE 59903009 T 19990415; DK 99810313 T 19990415; EP 99810313 A 19990415; ES 99810313 T 19990415; PT 99810313 T 19990415; SI 9930168 T 19990415