

Title (en)
Aluminum die casting alloy

Title (de)
Aluminiumdruckgusslegierung

Title (fr)
Alliage d'aluminium pour la coulée sous pression

Publication
EP 2653578 B1 20140917 (EN)

Application
EP 13176662 A 20110406

Priority
• EP 10159192 A 20100407
• EP 11712263 A 20110406
• EP 13176662 A 20110406

Abstract (en)
[origin: WO2011124590A1] Aluminum die casting alloy comprising 2 to 6 % by weight nickel, 0.1 to 0.4 % by weight zirconium, 0.1 to 0.4 % by weight vanadium, optionally up to 5 % by weight manganese, optionally up to 2 % by weight iron, optionally up to 1 % by weight titanium, optionally total max. 5 % by weight transition elements including scandium, lanthanum, yttrium, hafnium, niobium, tantalum, chromium and/or molybdenum, and aluminum as the remainder with further elements and impurities due to production total max. 1 % by weight.

IPC 8 full level
C22C 21/00 (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)
B22D 17/20 (2013.01 - US); **C22C 21/00** (2013.01 - EP KR US); **C22F 1/04** (2013.01 - EP KR US)

Cited by
EP2924137A1; WO2015144387A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011124590 A1 20111013; AU 2011237946 A1 20120927; BR 112012025191 A2 20160621; CA 2793148 A1 20111013; CN 102869799 A 20130109; CN 102869799 B 20150603; EP 2396436 A1 20111221; EP 2396436 B1 20130724; EP 2653578 A1 20131023; EP 2653578 B1 20140917; ES 2529473 T3 20150220; JP 2013528699 A 20130711; KR 20130067242 A 20130621; MX 2012011575 A 20121205; PL 2653578 T3 20150331; RU 2012145233 A 20140520; RU 2570264 C2 20151210; US 2013199680 A1 20130808

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EP 2011055318 W 20110406; AU 2011237946 A 20110406; BR 112012025191 A 20110406; CA 2793148 A 20110406; CN 201180016277 A 20110406; EP 11712263 A 20110406; EP 13176662 A 20110406; ES 13176662 T 20110406; JP 2013503092 A 20110406; KR 20127024129 A 20110406; MX 2012011575 A 20110406; PL 13176662 T 20110406; RU 2012145233 A 20110406; US 201113634358 A 20110406