

Title (en)

HEAT TREATABLE AL-ZN-MG ALLOY FOR AEROSPACE AND AUTOMOTIVE CASTINGS

Title (de)

WÄRMEBEHANDELBARE AL-ZN-MG-LEGIERUNG FÜR GUSSTEILE FÜR LUFT- UND RAUMFAHRT UND KRAFTFAHRZEUGE

Title (fr)

ALLIAGE AL-ZN-MG APTE AU TRAITEMENT THERMIQUE POUR PIECES COULEES AUTOMOBILES ET AEROSPATIAUX

Publication

EP 1759028 A4 20071003 (EN)

Application

EP 05743381 A 20050422

Priority

- US 2005013766 W 20050422
- US 56481304 P 20040422
- US 11158505 A 20050421

Abstract (en)

[origin: US2005238529A1] A heat treatable aluminum alloy for shaped castings includes from about 3.5-5.5% Zn, from about 1-1.5% Mg, less than about 1% Si, less than about 0.30% Mn, and less than about 0.3% Fe and other incidental impurities.

IPC 8 full level

C22C 21/10 (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP KR US)

C22C 21/10 (2013.01 - EP KR US)

Citation (search report)

- [X] JP 2002173729 A 20020621 - NIPPON STEEL CORP
- [A] EP 1229141 A1 20020807 - RHEINFELDEN ALUMINIUM GMBH [DE]
- [A] JP 2003147498 A 20030521 - KYUSHU MITSUI ALUM KOGYO KK
- [A] JP H10298692 A 19981110 - SKY ALUMINIUM, et al
- [A] JP H10280081 A 19981020 - SKY ALUMINIUM, et al
- [A] JP H09279284 A 19971028 - FURUKAWA ELECTRIC CO LTD
- [A] FR 917559 A 19470115
- [X] HUFNAGEL W: "Key to Aluminium Alloys, 4th Edition", ALUMINIUM-SCHLUESSEL = KEY TO ALUMINIUM ALLOYS, 1991, pages 195 - 205, XP002194851
- See references of WO 2005106057A2

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)

US 2005238529 A1 20051027; AU 2005238478 A1 20051110; CA 2564078 A1 20051110; EP 1759028 A2 20070307; EP 1759028 A4 20071003; JP 2007534839 A 20071129; KR 20070009719 A 20070118; MX PA06012242 A 20070131; NO 20065386 L 20070112; WO 2005106057 A2 20051110; WO 2005106057 A3 20060126

DOCDB simple family (application)

US 11158505 A 20050421; AU 2005238478 A 20050422; CA 2564078 A 20050422; EP 05743381 A 20050422; JP 2007509666 A 20050422; KR 20067024487 A 20061122; MX PA06012242 A 20050422; NO 20065386 A 20061122; US 2005013766 W 20050422