

Title (en)

AN AL-ZN-MG-AG HIGH-STRENGTH ALLOY FOR AEROSPACE AND AUTOMOTIVE CASTINGS

Title (de)

HOCHFESTE AL-ZN-MG-AG-LEGIERUNG FÜR FLUGZEUG- UND AUTOMOBIL-GEHÄUSE

Title (fr)

ALLIAGE HAUTE RESISTANCE AL-ZN-MG-AG POUR COULAGE DE PIECES DESTINEES A L'INDUSTRIE AEROSPATIALE ET AUTOMOBILE

Publication

**EP 1885897 A4 20080618 (EN)**

Application

**EP 06771066 A 20060524**

Priority

- US 2006020081 W 20060524
- US 68451305 P 20050525

Abstract (en)

[origin: WO2006127811A2] An aluminum casting alloy comprises, in weight percent: about 4-5% Zn; about 1-3% Mg; about 0-1% Cu; less than about 0.3% Si; less than about 0.12% Fe; less than about 0.5% Mn; about 0.01-0.05 wt% B; less than about 0.15% Ti; about 0.05-0.2% Zr; about 0.1-0.5% Ag; no more than about 0.05% each miscellaneous element or impurity; no more than about 0.15% total miscellaneous elements or impurities; balance aluminum. The alloy may advantageously be used in either T5 or T6 tempers.

IPC 8 full level

**C22C 21/10** (2006.01)

CPC (source: EP US)

**C22C 21/10** (2013.01 - EP US); **C22F 1/053** (2013.01 - EP US)

Citation (search report)

- [X] JP H03122248 A 19910524 - FURUKAWA ALUMINIUM
- [X] JP H03122247 A 19910524 - FURUKAWA ALUMINIUM
- [X] JP H03122246 A 19910524 - FURUKAWA ALUMINIUM
- [X] JP S60234955 A 19851121 - KOBE STEEL LTD & DATABASE WPI Derwent World Patents Index; AN 1986-010623, XP002479094
- [A] FR 2078470 A5 19711105 - ALCAN RES & DEV
- [A] GB 1154013 A 19690604 - COMMW OF AUSTRALIA [AU]
- [A] WO 0026020 A1 20000511 - HOOGO VENS ALU WALZPROD GMBH [DE], et al
- See references of WO 2006127811A2

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006127811 A2 20061130; WO 2006127811 A3 20070301**; CA 2609534 A1 20061130; EP 1885897 A2 20080213; EP 1885897 A4 20080618; JP 2008542533 A 20081127; US 2006289093 A1 20061228

DOCDB simple family (application)

**US 2006020081 W 20060524**; CA 2609534 A 20060524; EP 06771066 A 20060524; JP 2008513670 A 20060524; US 43939006 A 20060523