

Title (en)

7000 ALUMINUM ALLOY EXTRUDATE AND PROCESS FOR PRODUCING THE SAME

Title (de)

EXTRUDAT VON 7000-ALUMINIUMLEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

EXTRUDAT D'ALLIAGE D'ALUMINIUM 7000 ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 2141253 A4 20140312 (EN)**

Application

**EP 08738747 A 20080324**

Priority

- JP 2008055408 W 20080324
- JP 2007080296 A 20070326

Abstract (en)

[origin: EP2141253A1] [Object] To provide a 7000-series aluminum alloy extruded product of which an increase in proof stress or the like due to natural aging is suppressed by suppressing the positive effect due to storage at room temperature after extrusion, and a method of producing the same. [Solution] An extruded product includes a 7000-series aluminum alloy, the 7000-series aluminum alloy having an excess Mg content or an excess Zn content of less than 0.5 mass% with respect to a stoichiometric composition shown by MgZn 2 .

IPC 8 full level

**C22C 21/10** (2006.01); **B21C 23/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP US)

**B21C 23/002** (2013.01 - EP US); **C22C 21/10** (2013.01 - EP US); **C22F 1/02** (2013.01 - EP US); **C22F 1/053** (2013.01 - EP US)

Citation (search report)

- [X] JP H09310141 A 19971202 - NIPPON LIGHT METAL CO
- [X] JP H08144031 A 19960604 - FURUKAWA ELECTRIC CO LTD
- [XI] JP H09268342 A 19971014 - AISIN KEIKINZOKU KK
- [A] US 2005087266 A1 20050428 - MAKINO SHINJI [JP]
- [A] JP S59140346 A 19840811 - MITSUI ALUMINIUM KOGYO KK
- See references of WO 2008123184A1

Cited by

EP3239312A4; EP2987882A4; CN110284085A; EP2987881A4; EP3748024A1; EP3929320A4; EP2716780A4; CN109988952A; EP3441491A4; US10626517B2; US11345980B2; US10087508B2; US11136658B2; TWI629202B; TWI629200B

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**EP 2141253 A1 20100106; EP 2141253 A4 20140312; EP 2141253 B1 20150916**; JP 5588170 B2 20140910; JP WO2008123184 A1 20100715; US 2009053098 A1 20090226; US 2011017366 A1 20110127; WO 2008123184 A1 20081016

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**EP 08738747 A 20080324**; JP 2008055408 W 20080324; JP 2009509092 A 20080324; US 25434808 A 20081020; US 89612410 A 20101001