

Title (en)
MAGNESIUM ALLOY, MAGNESIUM ALLOY PLATE, MAGNESIUM ALLOY MEMBER, AND METHOD FOR PRODUCING MAGNESIUM ALLOY

Title (de)
MAGNESIUMLEGIERUNG, MAGNESIUMLEGIERUNGSPLATTE, MAGNESIUMLEGIERUNGSTEIL UND VERFAHREN ZUR HERSTELLUNG EINER MAGNESIUMLEGIERUNG

Title (fr)
ALLIAGE DE MAGNÉSIUM, PLAQUE EN ALLIAGE DE MAGNÉSIUM, ÉLÉMENT EN ALLIAGE DE MAGNÉSIUM ET PROCÉDÉ DE PRODUCTION D'ALLIAGE DE MAGNÉSIUM

Publication
EP 3208356 A4 20171108 (EN)

Application
EP 15851242 A 20150924

Priority
• JP 2014211259 A 20141015
• JP 2015076885 W 20150924

Abstract (en)
[origin: EP3208356A1] A magnesium alloy contains, in mass%, from 1% to 12% inclusive of Al and from 0.1% to 5% inclusive of Mn and has a structure in which particles of compounds containing Al and Mn are dispersed. The average diameter of the particles of the compounds is from 0.3 µm to 1 µm inclusive, and the area ratio of the particles of the compounds is from 3.5% to 25% inclusive.

IPC 8 full level
C22C 23/02 (2006.01); **B21B 3/00** (2006.01); **B22D 11/06** (2006.01); **B22D 21/04** (2006.01); **C22C 23/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/06** (2006.01)

CPC (source: EP KR US)
B21B 3/00 (2013.01 - EP KR US); **B22D 11/001** (2013.01 - EP US); **B22D 11/06** (2013.01 - EP KR US); **B22D 21/04** (2013.01 - EP KR US); **C22C 1/02** (2013.01 - EP US); **C22C 23/00** (2013.01 - EP KR US); **C22C 23/02** (2013.01 - EP KR US); **C22F 1/06** (2013.01 - EP KR US); **C22F 1/00** (2013.01 - EP US)

Citation (search report)
• [XA] EP 2641986 A1 20130925 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [XA] EP 2559780 A1 20130220 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [XA] EP 2511392 A1 20121017 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [XI] EP 2453031 A1 20120516 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [A] EP 2447381 A1 20120502 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• See references of WO 2016059950A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3208356 A1 20170823; EP 3208356 A4 20171108; EP 3208356 B1 20181024; CN 106715736 A 20170524; JP 2016079451 A 20160516; JP 6465338 B2 20190206; KR 20170068431 A 20170619; US 2017283915 A1 20171005; WO 2016059950 A1 20160421

DOCDB simple family (application)
EP 15851242 A 20150924; CN 201580049782 A 20150924; JP 2014211259 A 20141015; JP 2015076885 W 20150924; KR 20177004623 A 20150924; US 201515506622 A 20150924