

Title (en)  
WROUGHT MAGNESIUM ALLOY HAVING EXCELLENT FORMABILITY AND METHOD OF PRODUCING SAME

Title (de)  
SCHMIEDEPRODUKT AUS MAGNESIUMLEGIERUNG MIT AUSGEZEICHNETER FORMBARKEIT UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
ALLIAGE DE MAGNESIUM CORROYE POSSEDANT UNE EXCELLENTE CAPACITE DE FAÇONNAGE ET PROCEDE DE PRODUCTION DE CET ALLIAGE

Publication  
**EP 1759029 A4 20070718 (EN)**

Application  
**EP 05856294 A 20050311**

Priority

- KR 2005000697 W 20050311
- KR 20040023288 A 20040406

Abstract (en)  
[origin: WO2006075814A1] Disclosed is a wrought magnesium alloy having excellent strength and extrusion or rolling formability, and a method of producing the same. The wrought magnesium alloy comprises 0.1 - 1.5 at% group IIIa, 1.0 - 4.0 at% group IIIb, 0.35 at% or less of one selected from the group consisting of groups IIa, IVa, VIIa, IVb, and a mixture thereof, 1.0 at% or less of group IIb, and a balance of Mg and unavoidable impurities and thus has a second phase composite microstructure. The wrought magnesium alloy of the present invention has high strength, toughness, and formability in addition to the electromagnetic wave shield ability of magnesium. Accordingly, the wrought magnesium alloy is a material useful to portable electronic goods, such as notebook personal computers, mobile phones, digital cameras, camcorders, CD players, PDA, or MP3 players, automotive parts, such as engine room hoods, oil pans, or inner panel of door, or structural parts for airplane.

IPC 8 full level  
**C22C 23/00** (2006.01); **C22C 23/02** (2006.01); **C22C 23/06** (2006.01); **C22F 1/06** (2006.01)

CPC (source: EP KR US)  
**C22C 23/00** (2013.01 - KR); **C22C 23/02** (2013.01 - EP US); **C22C 23/06** (2013.01 - EP US)

Citation (search report)

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- See references of WO 2006075814A1

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)  
**WO 2006075814 A1 20060720**; AT E486145 T1 20101115; AU 2005324597 A1 20060720; AU 2005324597 B2 20090108; CN 100441717 C 20081210; CN 1938440 A 20070328; DE 602005024392 D1 20101209; EP 1759029 A1 20070307; EP 1759029 A4 20070718; EP 1759029 B1 20101027; JP 2007538146 A 20071227; JP 5047778 B2 20121010; KR 100605741 B1 20060801; KR 20040035646 A 20040429; RU 2006134447 A 20080520; RU 2384639 C2 20100320; US 2008304997 A1 20081211

DOCDB simple family (application)  
**KR 2005000697 W 20050311**; AT 05856294 T 20050311; AU 2005324597 A 20050311; CN 200580010433 A 20050311; DE 602005024392 T 20050311; EP 05856294 A 20050311; JP 2007507237 A 20050311; KR 20040023288 A 20040406; RU 2006134447 A 20050311; US 54729805 A 20050311