

## 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
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## 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.

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## CPC (source: EP KR US)

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## Citation (search report)

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- See references of WO 2006075814A1

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