

Title (en)

MAGNESIUM ALLOY SHEET AND MANUFACTURING METHOD THEREFOR

Title (de)

BLECH AUS EINER MAGNESIUMLEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TÔLE D'ALLIAGE DE MAGNÉSIUM ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3643802 A4 20200729 (EN)

Application

EP 18820051 A 20180621

Priority

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Abstract (en)

[origin: EP3643802A1] The present invention relates to a magnesium alloy sheet and a manufacturing method therefor. An embodiment of the present invention provides a magnesium alloy sheet containing, relative to 100 wt% of the entire magnesium alloy sheet, 2.7 to 5.0 wt% of Al, 0.75 to 1.0 wt% of Zn, 0.1 to 1.0 wt% of Ca, 1.0 wt% or less of Mn (excluding 0 wt%), and the balance of Mg and other inevitable impurities, wherein a volume fraction of bottom crystal grains, relative to 100 vol% of overall crystal grains of the magnesium alloy sheet, is 30% or less, and the bottom crystal grains are crystal grains in a <0001>//C-axis direction.

IPC 8 full level

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Citation (search report)

- [I] KR 20090120194 A 20091124 - POSTECH ACAD IND FOUND [KR]
- [I] KR 20150065418 A 20150615 - POSCO [KR]
- [A] JP 2011179075 A 20110915 - NAT INST OF ADVANCED IND SCIEN, et al
- [A] JP 2010229467 A 20101014 - HITACHI METALS LTD
- [A] JP 2011184726 A 20110922 - NAT INST OF ADVANCED IND SCIEN, et al
- See references of WO 2018236163A1

Designated contracting state (EPC)

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EP 3643802 A1 20200429; **EP 3643802 A4 20200729**; CA 3068201 A1 20181227; CN 110785506 A 20200211; JP 2020524219 A 20200813; KR 20190000676 A 20190103; US 2021147964 A1 20210520; WO 2018236163 A1 20181227

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