

Title (en)

HIGH THERMAL CONDUCTIVITY MAGNESIUM ALLOY, INVERTER HOUSING, INVERTER AND AUTOMOBILE

Title (de)

MAGNESIUMLEGIERUNG MIT HOHER WÄRMELEITFÄHIGKEIT, WECHSELRICHTERGEHÄUSE, WECHSELRICHTER UND AUTOMOBIL

Title (fr)

ALLIAGE DE MAGNÉSIUM À CONDUCTIVITÉ THERMIQUE ÉLEVÉE, BOÎTIER D'ONDULEUR, ONDULEUR ET AUTOMOBILE

Publication

EP 3640356 A4 20200422 (EN)

Application

EP 18818152 A 20180425

Priority

- CN 201710453134 A 20170615
- CN 2018084488 W 20180425

Abstract (en)

[origin: EP3640356A1] A magnesium alloy with high thermal conductivity, an inverter housing, an inverter and a vehicle are provided. Based on the total mass of the magnesium alloy with high thermal conductivity, the magnesium alloy with high thermal conductivity includes: 2.0-4.0 wt% of Al, 0.1-0.3 wt% of Mn, 1.0-2.0 wt% of La, 2.0-4.0 wt% of Ce, 0.1-1.0 wt% of Nd, 0.5-2.0 wt% of Zn, 0.1-0.5 wt% of Ca, less than 0.1 wt% of Sr, less than 0.1 wt% of Cu, and magnesium.

IPC 8 full level

C22C 23/06 (2006.01); **C22C 23/02** (2006.01)

CPC (source: CN EP US)

C22C 23/02 (2013.01 - CN EP US); **C22C 23/06** (2013.01 - CN EP US); **C22C 2202/00** (2013.01 - US)

Citation (search report)

- [A] US 2017129006 A1 20170511 - BRONFIN BORIS [IL], et al
- See references of WO 2018228059A1

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 3640356 A1 20200422; **EP 3640356 A4 20200422**; **EP 3640356 B1 20210331**; CN 109136699 A 20190104; CN 109136699 B 20210709; US 2021147963 A1 20210520; WO 2018228059 A1 20181220

DOCDB simple family (application)

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