

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 A1 20200422 (EN)

Application

EP 18818152 A 20180425

Priority

- CN 201710453134 A 20170615
- CN 2018084488 W 20180425

Abstract (en)

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)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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