

Title (en)

MANUFACTURING METHOD OF A MAGNESIUM ALLOY FOR ROOM TEMPERATURE APPLICATIONS

Title (de)

HERSTELLUNGSVERFAHREN EINER MAGNESIUMLEGIERUNG FÜR ANWENDUNGEN BEI RAUMTEMPERATUR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ALLIAGE DE MAGNÉSIUM POUR DES APPLICATIONS À TEMPÉRATURE AMBIANTE

Publication

EP 2374906 B1 20170315 (EN)

Application

EP 11159573 A 20110324

Priority

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- KR 20110001557 A 20110106

Abstract (en)

[origin: EP2374906A1] Provided is a magnesium alloy for room temperature, which is manufactured by adding CaO onto a surface of a molten magnesium alloy and exhausting the CaO through a reduction reaction of the CaO with the molten magnesium alloy. Resultantly, the magnesium alloy with CaO added has more improved room-temperature mechanical properties (tensile strength, yield strength, elongation) than magnesium alloys without using CaO. Furthermore, as the added amount of CaO increases, room-temperature mechanical properties (tensile strength, yield strength, elongation) increase as well.

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (publication)

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