

Title (en)

MAGNESIUM-CONTAINING METAL MATERIAL PROVIDED WITH COATING

Title (de)

MAGNESIUMHALTIGES METALLMATERIAL MIT BESCHICHTUNG

Title (fr)

MATÉRIAUX MÉTALLIQUES À TENEUR EN MAGNÉSIUM AVEC FILM DE REVÊTEMENT

Publication

**EP 3643811 A1 20200429 (EN)**

Application

**EP 18820043 A 20180620**

Priority

- JP 2017122643 A 20170622
- JP 2018023448 W 20180620

Abstract (en)

Provided is a magnesium-containing metal material that includes coatings having excellent corrosion resistance on a surface. Specifically, provided is a magnesium-containing metal material with coating, which is characterized by including: a magnesium hydroxide-containing first coating on a surface of a magnesium-containing metal material composed of magnesium or a magnesium alloy; a hydroxyapatite and/or hydroxyapatite carbonate-containing third coating over the first coating; and a dibasic calcium phosphate-containing second coating between the first coating and the third coating.

IPC 8 full level

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CPC (source: CN EP KR US)

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**C23C 22/22** (2013.01 - CN EP KR US); **C23C 22/57** (2013.01 - US); **C23C 22/73** (2013.01 - EP); **C23C 22/78** (2013.01 - EP KR US);  
**C23C 22/83** (2013.01 - CN EP KR); **C23C 28/04** (2013.01 - EP KR US); **C23C 28/046** (2013.01 - EP); **C23C 28/048** (2013.01 - CN)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3643811 A1 20200429**; **EP 3643811 A4 20210331**; CN 110770368 A 20200207; CN 114807937 A 20220729; JP 2019007044 A 20190117;  
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