

Title (en)

METHOD TO CREATE FUNCTIONAL COATINGS ON MAGNESIUM

Title (de)

VERFAHREN ZUR ERZEUGUNG FUNKTIONELLER BESCHICHTUNGEN AUF MAGNESIUM

Title (fr)

PROCÉDÉ DE CRÉATION DE REVÊTEMENTS FONCTIONNELS MINCES SUR DU MAGNÉSIUM

Publication

**EP 4139507 A4 20240515 (EN)**

Application

**EP 21792130 A 20210423**

Priority

- US 202063015411 P 20200424
- NZ 2021050068 W 20210423

Abstract (en)

[origin: WO2021215940A1] In example implementations, a method for producing a coating is provided. The method includes placing a magnesium substrate into an anodizing bath, applying a voltage for a first amount of time to form a micro-porous anodizing layer having a thickness of between (1) to (50) microns on the magnesium substrate, placing the magnesium substrate with the micro-porous anodizing layer in plating bath, wherein the plating bath comprises a metal and a complexing agent with a pH between (8) and (14), applying a first current to the plating bath for a second amount of time to form an interlock layer on the micro-porous anodizing layer, and applying a second current to the plating bath for a third amount of time to form a coating on the interlock layer.

IPC 8 full level

**C25D 11/30** (2006.01); **C23C 18/16** (2006.01); **C23C 28/00** (2006.01); **C25D 5/00** (2006.01); **C25D 5/14** (2006.01); **C25D 5/18** (2006.01); **C25D 11/02** (2006.01); **C23C 18/36** (2006.01); **C23G 1/00** (2006.01); **C23G 1/14** (2006.01); **C25D 3/38** (2006.01); **C25D 3/46** (2006.01); **C25D 3/56** (2006.01)

CPC (source: AU EP KR US)

**C23C 18/1653** (2013.01 - EP); **C23C 18/36** (2013.01 - KR); **C23C 28/00** (2013.01 - EP); **C23C 28/321** (2013.01 - KR); **C23C 28/345** (2013.01 - KR); **C25D 3/12** (2013.01 - AU); **C25D 5/14** (2013.01 - AU); **C25D 5/34** (2013.01 - AU); **C25D 5/623** (2020.08 - AU); **C25D 5/625** (2020.08 - EP); **C25D 11/024** (2013.01 - EP KR US); **C25D 11/30** (2013.01 - AU EP KR US); **C25D 21/08** (2013.01 - AU); **C23C 18/36** (2013.01 - EP); **C23G 1/00** (2013.01 - EP); **C23G 1/14** (2013.01 - EP); **C25D 3/38** (2013.01 - EP); **C25D 3/46** (2013.01 - EP); **C25D 3/562** (2013.01 - EP); **C25D 3/565** (2013.01 - EP); **C25D 5/627** (2020.08 - AU); **C25D 9/06** (2013.01 - AU)

Citation (search report)

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- [Y] US 2018051388 A1 20180222 - HOU FENGYAN [NZ], et al
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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

DOCDB simple family (publication)

**WO 2021215940 A1 20211028**; AU 2021260429 A1 20221117; CA 3175977 A1 20211028; CN 115917055 A 20230404; EP 4139507 A1 20230301; EP 4139507 A4 20240515; JP 2023523703 A 20230607; KR 20230007331 A 20230112; MX 2022012873 A 20221108; TW 202142744 A 20211116; US 2022389604 A1 20221208

DOCDB simple family (application)

**NZ 2021050068 W 20210423**; AU 2021260429 A 20210423; CA 3175977 A 20210423; CN 202180028668 A 20210423; EP 21792130 A 20210423; JP 2022562982 A 20210423; KR 20227036203 A 20210423; MX 2022012873 A 20210423; TW 110114466 A 20210422; US 202217874554 A 20220727