

Title (en)

ALKALINE CERIUM-BASED COATING COMPOSITION FOR METAL SURFACE PRE-TREATMENT

Title (de)

ALKALISCHE CER-BASIERTE BESCHICHTUNGSZUSAMMENSETZUNG ZUR METALLOBERFLÄCHENVORBEHANDLUNG

Title (fr)

COMPOSITION DE REVÊTEMENT ALCALIN À BASE DE CÉRIUM POUR UN PRÉ-TRAITEMENT DE SURFACES MÉTALLIQUES

Publication

**EP 3198055 A4 20180502 (EN)**

Application

**EP 14902597 A 20140922**

Priority

CN 2014087068 W 20140922

Abstract (en)

[origin: WO2016044972A1] An alkaline aqueous composition for the pretreatment of metal substrates, wherein the composition is based on a source of cerium cations as well as the presence of an amino-functional organosilane. A process of pre-treating a metal substrate based on such an alkaline aqueous composition and its use for the corrosion pretreatment.

IPC 8 full level

**C23C 22/62** (2006.01); **C25D 13/16** (2006.01); **C25D 13/20** (2006.01)

CPC (source: EP)

**C09D 5/08** (2013.01); **C23C 22/62** (2013.01); **C23C 22/66** (2013.01); **C25D 13/16** (2013.01); **C25D 13/20** (2013.01); **C23C 2222/20** (2013.01)

Citation (search report)

- [X] CN 101542018 A 20090923 - NIHON PARKERIZING [JP]
- [A] CN 101717930 A 20100602 - HAIISO TECHNOLOGY CO LTD
- [A] WO 2009077412 A2 20090625 - AKZO NOBEL NV [NL], et al
- [A] CORREA P S ET AL: "Corrosion behavior study of AZ91 magnesium alloy coated with methyltriethoxysilane doped with cerium ions", PROGRESS IN ORGANIC COATINGS, ELSEVIER BV, NL, vol. 72, no. 4, 9 August 2011 (2011-08-09), pages 739 - 747, XP028324257, ISSN: 0300-9440, [retrieved on 20110816], DOI: 10.1016/J.PORGCOAT.2011.08.005
- See references of WO 2016044972A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2016044972 A1 20160331**; CN 107002247 A 20170801; CN 114561636 A 20220531; EP 3198055 A1 20170802; EP 3198055 A4 20180502; TW 201615890 A 20160501

DOCDB simple family (application)

**CN 2014087068 W 20140922**; CN 201480082091 A 20140922; CN 202210192809 A 20140922; EP 14902597 A 20140922; TW 104130755 A 20150917