

Title (en)  
METHOD FOR THE FORMATION OF PAINT FILMS AND THE PAINT FILMS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON LACKFILMEN UND LACKFILME

Title (fr)  
MÉTHODE DE FORMATION DE PELLICULES DE PEINTURE ET LESDITES PELLICULES DE PEINTURE

Publication  
**EP 2507323 A1 20121010 (EN)**

Application  
**EP 10776155 A 20101020**

Priority  
• JP 2009273782 A 20091201  
• IB 2010002703 W 20101020

Abstract (en)  
[origin: WO2011067637A1] To provide a method for the formation of a paint film with which the adhesion with an anodic oxide film which has been formed on the surface of an aluminum or aluminum alloy part of the paint film comprising an anti-rust primer paint film which has been formed on said anodic oxide film and a topcoat paint film, as required, is excellent and which has excellent corrosion resistance, and the paint films obtained with this method of forming a paint film. [Means of Resolution] A method for the formation of a paint film in which an aluminum or aluminum alloy part is subjected to an anodic oxidation treatment and an anodic oxide film is formed on the surface of the aluminum or aluminum alloy part, an anti-rust primer is coated on said anodic oxide film and an anti-rust primer paint film is formed and, as required, a top-coat paint is coated on said anti-rust primer paint film and a top-coat paint film is formed in which said anti-rust primer includes a base resin comprising hydroxyl group containing epoxy resin and a hardening agent, selected from among melamine resin and polyisocyanate, and barium sulfate, and the proportion of said barium sulfate included is a proportion within the range from 20 to 70 parts by mass per 100 parts by mass in total of the solid fractions of the base resin and the hardening agent.

IPC 8 full level  
**C09D 5/00** (2006.01)

CPC (source: EP US)  
**C09D 5/084** (2013.01 - EP US); **C25D 9/02** (2013.01 - US); **C25D 11/18** (2013.01 - EP US); **Y10T 428/31511** (2015.04 - EP US); **Y10T 428/31515** (2015.04 - EP US)

Citation (search report)  
See references of WO 2011067637A1

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 2011067637 A1 20110609**; CN 102510884 A 20120620; EP 2507323 A1 20121010; IN 1212DEN2012 A 20150410; JP 2011115686 A 20110616; US 2013177769 A1 20130711

DOCDB simple family (application)  
**IB 2010002703 W 20101020**; CN 201080042173 A 20101020; EP 10776155 A 20101020; IN 1212DEN2012 A 20120209; JP 2009273782 A 20091201; US 201013513349 A 20101020