

Title (en)

ANTI-CORROSION COATINGS LOADED WITH MESOSTRUCTURED PARTICLES

Title (de)

MIT MESOSTRUKTURTEILCHEN BESTÜCKTE KORROSIONSSCHUTZBESCHICHTUNGEN

Title (fr)

REVÊTEMENTS ANTICORROSION CHARGÉS EN PARTICULES MÉSOSTRUCTURÉES

Publication

EP 3234030 A1 20171025 (FR)

Application

EP 15828826 A 20151214

Priority

- FR 1462409 A 20141215
- FR 2015053496 W 20151214

Abstract (en)

[origin: WO2016097570A1] The present invention concerns coatings, for example polymer coatings or sol-gel coatings, comprising at least one layer comprising micrometric, individualised and mesostructured spherical particles, said particles having been created and loaded with at least one element selected from corrosion-inhibiting functional molecules and corrosion-inhibiting functional nano-objects, by a method comprising non-dissociable and continuous steps in a same spray-heating reactor. The purpose of said coatings is to form an anti-corrosion system, having mechanical strength and/or for colouring. The invention is applicable, in particular, in the field of protecting light aeronautical alloys against corrosion.

IPC 8 full level

C09D 5/08 (2006.01); **C08K 13/02** (2006.01); **C09D 7/48** (2018.01); **C09D 7/62** (2018.01); **C09D 7/65** (2018.01)

CPC (source: EP US)

C08K 13/02 (2013.01 - EP US); **C09D 5/08** (2013.01 - US); **C09D 5/082** (2013.01 - EP US); **C09D 7/48** (2017.12 - EP US); **C09D 7/62** (2017.12 - EP US); **C09D 7/65** (2017.12 - EP US); **C09D 7/68** (2017.12 - EP US); **C09D 7/69** (2017.12 - EP US)

Citation (search report)

See references of WO 2016097570A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3029835 A1 20160617; **FR 3029835 B1 20190628**; CN 108307634 A 20180720; EP 3234030 A1 20171025; US 10557040 B2 20200211; US 2017327695 A1 20171116; WO 2016097570 A1 20160623

DOCDB simple family (application)

FR 1462409 A 20141215; CN 201580076217 A 20151214; EP 15828826 A 20151214; FR 2015053496 W 20151214; US 201515535704 A 20151214