

Title (en)

COATING COMPOSITIONS AND COATING PRODUCTS MADE THEREFROM

Title (de)

BESCHICHTUNGSZUSAMMENSETZUNGEN UND DARAUS HERGESTELLTE BESCHICHTUNGSPRODUKTE

Title (fr)

COMPOSITIONS DE REVÊTEMENT ET PRODUITS DE REVÊTEMENT FABRIQUÉS À PARTIR DE CELLES-CI

Publication

EP 3122916 A4 20171108 (EN)

Application

EP 15769369 A 20150325

Priority

- US 201461970028 P 20140325
- US 2015022488 W 20150325

Abstract (en)

[origin: WO2015148663A1] A coating composition and coating products made therefrom, containing modified inorganic nanoplatelets that form mesomorphic structure in a resin phase. The coating products exhibit low permeation/penetration properties, and can be used as anti-corrosion or barrier coatings.

IPC 8 full level

C23C 16/00 (2006.01); **C08K 3/32** (2006.01); **C09C 1/00** (2006.01); **C09C 3/10** (2006.01); **C09D 4/00** (2006.01); **C09D 5/00** (2006.01); **C09D 7/62** (2018.01); **C09D 163/00** (2006.01)

CPC (source: EP US)

C09C 1/00 (2013.01 - EP); **C09C 3/10** (2013.01 - EP); **C09D 4/00** (2013.01 - EP); **C09D 5/00** (2013.01 - EP); **C09D 7/62** (2017.12 - EP US); **C09D 7/70** (2017.12 - EP US); **C09D 163/00** (2013.01 - EP); **C01P 2002/72** (2013.01 - EP); **C01P 2004/20** (2013.01 - EP); **C01P 2004/51** (2013.01 - EP); **C01P 2004/62** (2013.01 - EP); **C01P 2004/64** (2013.01 - EP); **C01P 2006/22** (2013.01 - EP); **C08K 2003/321** (2013.01 - EP)

Citation (search report)

- [XP] EP 2752466 A2 20140709 - TEXAS A & M UNIV SYS [US], et al
- [X] EP 2352789 A1 20110810 - NANTO SRL [IT]
- [X] NAIMA BESTAOU ET AL: "Intercalation of polyetheramines into [alpha]-zirconium phosphate", JOURNAL OF MATERIALS CHEMISTRY, vol. 16, no. 8, 1 January 2006 (2006-01-01), pages 759 - 764, XP055194566, ISSN: 0959-9428, DOI: 10.1039/B511351B
- [X] SUE H-J ET AL: "EPOXY NANOCOMPOSITES BASED ON THE SYNTHETIC ALPHA-ZIRCONIUM PHOSPHATE LAYER STRUCTURE", CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, US, vol. 16, no. 2, 1 January 2004 (2004-01-01), pages 242 - 249, XP001184747, ISSN: 0897-4756, DOI: 10.1021/CM030441S
- [X] XING W ET AL: "Flame retardancy and thermal properties of epoxy acrylate resin/alpha-zirconium phosphate nanocomposites used for UV-curing flame retardant films", MATERIALS CHEMISTRY AND PHYSICS, ELSEVIER SA, SWITZERLAND, TAIWAN, REPUBLIC OF CHINA, vol. 125, no. 1-2, 1 January 2011 (2011-01-01), pages 196 - 201, XP027443587, ISSN: 0254-0584, [retrieved on 20101023], DOI: 10.1016/J.MATCHEMPHYS.2010.09.006
- See references of WO 2015148663A1

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 2015148663 A1 20151001; EP 3122916 A1 20170201; EP 3122916 A4 20171108; JP 2017512845 A 20170525

DOCDB simple family (application)

US 2015022488 W 20150325; EP 15769369 A 20150325; JP 2016548343 A 20150325