

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2012 (15.03.2012)

PCT

(10) International Publication Number
WO 2012/033700 A1

(51) International Patent Classification:

C25D 13/04 (2006.01) **C08G 59/30** (2006.01)
C25D 13/20 (2006.01) **C09D 5/44** (2006.01)

(21) International Application Number:

PCT/US2011/050167

(22) International Filing Date:

1 September 2011 (01.09.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/876,591 7 September 2010 (07.09.2010) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))

(54) Title: ELECTRODEPOSITION COATINGS INCLUDING A LANTHANIDE SERIES ELEMENT FOR USE OVER ALUMINUM SUBSTRATES

(57) Abstract: A process for applying a coating on aluminum substrates by anionic or cationic electrodeposition of an electrodeposition coating including an aqueous dispersion of one or more lanthanide series elements having a +3/+4 oxidation state and phosphated epoxy resin made by phosphating a polyepoxide with both phosphoric acid and an organophosphonic acid and/or an organophosphinic acid. The coating has a reduced tendency to form pinholes.



WO 2012/033700 A1