



(51) International Patent Classification:

C23C 22/83 (2006.01) *C23C 22/34* (2006.01)
B05D 7/14 (2006.01) *C09D 5/12* (2006.01)
B05D 7/00 (2006.01) *F28F 19/06* (2006.01)
C09D 5/08 (2006.01) *F28F 21/08* (2006.01)
C25D 13/20 (2006.01)

(30) Priority Data:

61/611,214 15 March 2012 (15.03.2012) US

(21) International Application Number:

PCT/US2013/030132

(22) International Filing Date:

11 March 2013 (11.03.2013)

(25) Filing Language:

English

(26) Publication Language:

English

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(54) Title: MULTI-LAYER PROTECTIVE COATING FOR AN ALUMINUM HEAT EXCHANGER

(57) Abstract: A method for coating an aluminum alloy heat exchanger includes subjecting at least one surface of the heat exchanger to a pre-treatment process including cleaning; conversion coating the at least one surface of the heat exchanger with a trivalent chromium compound; and subjecting the at least one conversion coated surface to an electro-coating in an aqueous solution containing an organic corrosion inhibitor.

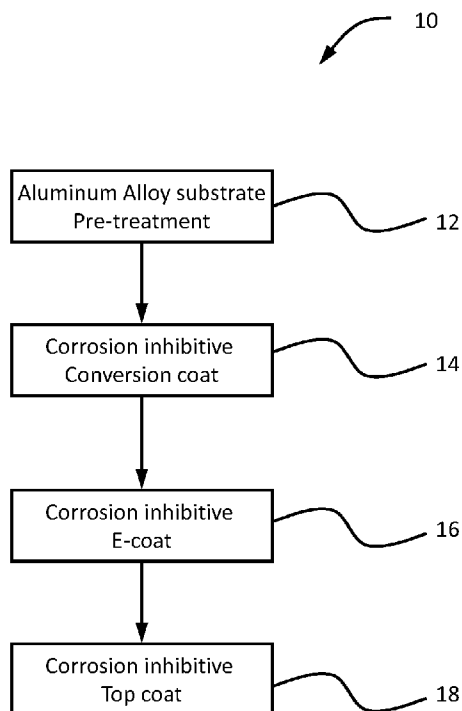


FIG. 1





(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, BN, 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, PA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))