



- (51) International Patent Classification:
C09D 5/00 (2006.01)
- (21) International Application Number:
PCT/EP2015/055121
- (22) International Filing Date:
12 March 2015 (12.03.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
752/DEL/2014 14 March 2014 (14.03.2014) IN
14168105.6 13 May 2014 (13.05.2014) EP
- (71) Applicant: **AKZO NOBEL COATINGS INTERNATIONAL B.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).
- (72) Inventors: **WOULDHAVE, Matthew**; 17 Bristol Drive, Henley Grange, Wallsend Tyne and Wear NE28 9HW (GB). **KANATT, Bijoy**; 208, Saismruthy Apartments, Ramamurthy Nagar Main Road, Bangalore 560016 (IN). **HESELINK, Sebastiaan J.A.**; 49 Faraday court, Durham DH1 4FG (GB). **DONKIN, Michael David**; 93 Beaconside, South Shields Tyne and Wear NE34 7PT (GB).
- (74) Agent: **AKZO NOBEL IP DEPARTMENT**; Velperweg 76, NL-6824 BM Arnhem (NL).
- (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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report (Art. 21(3))

(54) Title: COATING COMPOSITION

(57) Abstract: The invention relates to coating compositions which have a low VOC (less than 250 g/l), are fast drying, and have excellent erosion resistance. These coating compositions comprise a film forming resin comprise one or more polyamine(s) containing secondary amine groups and specific aliphatic and/or aromatic esters. The coating compositions are particularly suitable for use in coating wind blades. The present invention also relates to a method of protecting a substrate against rain erosion or solid particle erosion using the coating composition, a coated wind blade or a part thereof, and the use of specific ester(s) in a polyurea-based coating composition for improving the rain erosion resistance or solid-particle erosion resistance of a coating.



WO 2015/136018 A1