

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 November 2024 (07.11.2024)



(10) International Publication Number
WO 2024/227831 A1

(51) International Patent Classification:

C09D 5/16 (2006.01) C09D 133/06 (2006.01)
C09D 7/63 (2018.01)

Declarations under Rule 4.17:

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

(21) International Application Number:

PCT/EP2024/062005

Published:

— with international search report (Art. 21(3))
— in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(22) International Filing Date:

01 May 2024 (01.05.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

23171707.5 04 May 2023 (04.05.2023) EP

(71) Applicant: **AKZO NOBEL COATINGS INTERNATIONAL B.V.** [NL/NL]; Christian Neefestraat 2, 1077 WW Amsterdam (NL).

(72) Inventors: **FERGUSON, James**; Christian Neefestraat 2, 1077 WW Amsterdam (NL). **HEATH, Robin Alexander**; Christian Neefestraat 2, 1077 WW Amsterdam (NL). **FINNIE, Alistair Andrew**; Christian Neefestraat 2, 1077 WW Amsterdam (NL).

(74) Agent: **AKZO NOBEL IP DEPARTMENT**; Christian Neefestraat 2, 1077 WW Amsterdam (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

(54) Title: FOULING CONTROL COATING COMPOSITION

(57) Abstract: The invention is directed to a fouling control coating composition comprising an anionic polymer, an amine cation, and less than 5 wt% water, the anionic polymer having one or more covalently attached siloxane moieties, wherein the amine cation is a protonated amine compound, the amine compound (before protonation) having a boiling point at atmospheric pressure of at least 100 °C and a molecular weight of at least 70.

WO 2024/227831 A1