



(51) International Patent Classification:

C02F 5/12 (2006.01) C10L 10/04 (2006.01)
C09K 8/54 (2006.01) C23F 11/14 (2006.01)
C10G 75/02 (2006.01) C23F 11/173 (2006.01)

(21) International Application Number:

PCT/US2022/039542

(22) International Filing Date:

05 August 2022 (05.08.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/203,960 05 August 2021 (05.08.2021) 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, 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, 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, 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, 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,

(54) Title: HYDROCARBON FUNCTIONALIZED POLYAMINES FOR CORROSION INHIBITION

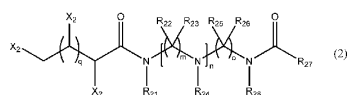
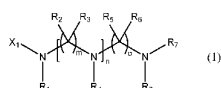
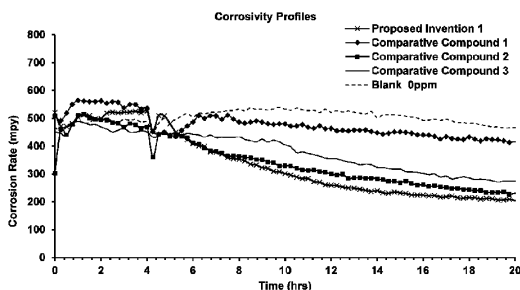


FIG. 1A



(57) Abstract: Compositions and methods are provided for reduc-
ing, inhibiting, or preventing corrosion of a surface, the polyamine
compounds corresponding to the structure of Formula 1 or 2, or a
salt thereof, wherein X₁ is -C(O)R₉ or -[C(R₁₀R₁₁)]_p-C(R₁₂)(X₂)-
R₁₃; X₂ is -OH or -NH₂; R₁ and R₄ are independently hydrogen,
alkyl, or -[C(R₁₀R₁₁)]_p-C(R₁₂)(X₂)-R₁₃; R₂, R₃, R₅, R₆, R₇, R₈,
R₁₀, R₁₁, and R₁₂ are independently hydrogen or alkyl; R₉ and R₁₃
are independently C₇ to C₃₀ alkyl or alkenyl; m and o are integers
from 1 to 10; n is an integer from 1 to 6; and p is an integer from 1
to 10, wherein X₂ is -OH or -NH₂; R₂₁, R₂₂, R₂₃, R₂₄, R₂₅, R₂₆, and
R₂₈ are independently hydrogen or alkyl; R₂₇ is C₁₀ to C₃₀ alkyl or
alkenyl; m and o are integers from 1 to 10; n is an integer from 1
to 6; and q is an integer from 0 to 10.

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, 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))*