

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2018/073268 A1

(43) International Publication Date
26 April 2018 (26.04.2018)

(51) International Patent Classification:

C10M 129/30 (2006.01) C10M 129/10 (2006.01)

(21) International Application Number:

PCT/EP2017/076518

(22) International Filing Date:

17 October 2017 (17.10.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/409,716 18 October 2016 (18.10.2016) US

(71) Applicant: **CHEVRON ORONITE TECHNOLOGY B.V.** [NL/NL]; Petroleumweg 32, 3196 KD Vondelingenplaat, Rotterdam (NL).

(72) Inventors: **BOONS, Cornelis Hendrikus Maria**; Petroleumweg 32, 3196 KD Vondelingenplaat, Rotterdam (NL).
CLEOPHAS, Theodorus Constance; Petroleumweg 32, 3196 KD Vondelingenplaat, Rotterdam (NL).

(74) Agent: **HASELTINE LAKE LLP**; Redcliff Quay, 120 Redcliff Street, Bristol Bristol BS1 6HU (GB).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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, 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: MARINE DIESEL LUBRICANT OIL COMPOSITIONS

(57) Abstract: Alubricating oil composition can include a major amount of an oil of lubricating viscosity and a minor amount of alkaline earth metal phenol-based detergent. The lubricating oil composition can further have a BN of greater than 140 mg KOH/g, and further wherein the marine diesel cylinder lubricating oil composition is substantially free of unsulfurized tetrapropenyl phenol and its unsulfurized metal salt.



WO 2018/073268 A1