



(51) International Patent Classification:

C10M 155/02 (2006.01) *C10N 20/02* (2006.01)
C10M 167/00 (2006.01) *C10N 30/02* (2006.01)
C10M 169/04 (2006.01) *C10N 30/18* (2006.01)

(21) International Application Number:

PCT/US2012/022639

(22) International Filing Date:

26 January 2012 (26.01.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/437,704 31 January 2011 (31.01.2011) US

(71) Applicant (for all designated States except US): **THE LUBRIZOL CORPORATION** [US/US]; 29400 Lakeland Blvd., Wickliffe, Ohio 44092-2298 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LOOP, John G.** [US/US]; 29400 Lakeland Blvd., Wickliffe, Ohio 44092-2298 (US). **ABRAHAM, William D.** [US/US]; 29400 Lakeland Blvd., Wickliffe, Ohio 44092-2298 (US).

(74) Agents: **SHOLD, David M.** et al.; 29400 Lakeland Blvd., Wickliffe, Ohio 44092-2298 (US).

(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, 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, 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, MD, 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))

Published:

— with international search report (Art. 21(3))

(54) Title: LUBRICANT COMPOSITION COMPRISING ANTI-FOAM AGENTS

(57) Abstract: The disclosed invention relates to a multigrade lubricant composition which can be used for numerous lubricant applications, but is particularly useful for lubricating a diesel engine. The lubricant composition comprises an oil of lubricating viscosity, a detergent, a dispersant, a viscosity index improver, and a combination of anti-foam agents. The lubricant composition may be used for providing enhanced fuel economy and avoiding air entrainment problems when used in lubricating diesel engines.



WO 2012/106170 A1