

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 June 2025 (26.06.2025)



(10) International Publication Number
WO 2025/131193 A1

(51) International Patent Classification:
F01M 1/08 (2006.01) *F02M 61/18* (2006.01)

(21) International Application Number:
PCT/DK2024/050293

(22) International Filing Date:
11 December 2024 (11.12.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA202370629 20 December 2023 (20.12.2023) DK

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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, 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,

(54) Title: METHOD FOR LUBRICATING LARGE TWO-STROKE ENGINES USING ASYMMETRICAL CAVITATION IN THE INJECTOR NOZZLE

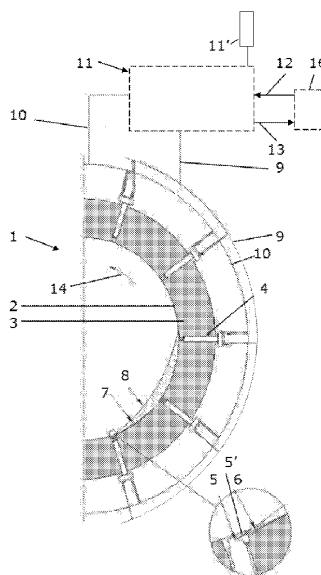


FIG. 1

(57) Abstract: There is disclosed a method of lubricating a large two-stroke engine comprising a cylinder (1) with a reciprocal piston inside and with a number of lubricant injectors (4) 5 distributed along a perimeter of the cylinder (1) at various positions on the perimeter. Each lubricant injector (4) comprises a nozzle (5), the nozzle (5) comprising sac hole, and a spray hole having a nozzle exit. 10 The method comprises: -injection of lubricant into the cylinder (1) as a spray directed to the liner of the cylinder during operation of the engine, -inducing asymmetric lubricant cavitation in the nozzle during the injection and by the cavitation influencing characteristics of the spray.

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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).

Published:

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