



(51) International Patent Classification:

C10M 175/00 (2006.01) C10N 30/12 (2006.01)
C10M 177/00 (2006.01) C10N 40/26 (2006.01)
F01M 1/12 (2006.01) F01M 11/04 (2006.01)
F01M 9/02 (2006.01)

(21) International Application Number:

PCT/EP2014/053132

(22) International Filing Date:

18 February 2014 (18.02.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13155770.4 19 February 2013 (19.02.2013) EP

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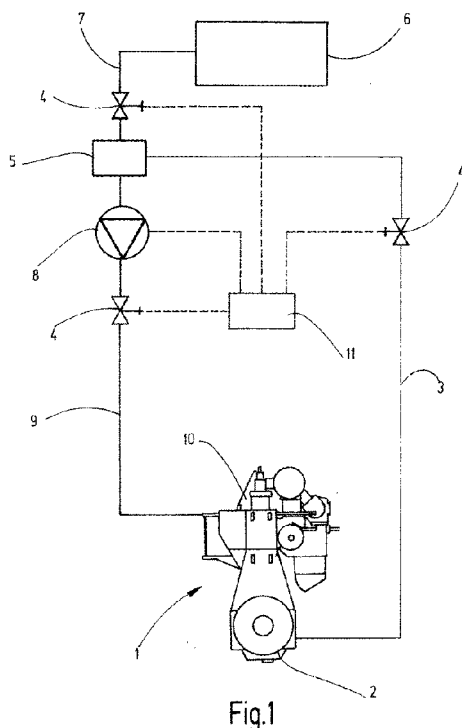
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, 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, 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, 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,

[Continued on next page]

(54) Title: PROCESS AND APPARATUS FOR THE PREPARATION OF A CYLINDER OIL



(57) Abstract: The present invention concerns a process for the production of a cylinder oil comprising the steps: providing a used oil, providing a fresh cylinder oil, and blending the used oil with the fresh cylinder oil, wherein the used oil has a lower TBN value than the fresh cylinder oil. The invention further concerns a process for the operation of an internal combustion engine comprising the steps of: preparing a cylinder oil according to a process for the production of a cylinder oil as described herein and using the cylinder oil in the internal combustion engine. Also part of the present invention is an apparatus for the preparation of a cylinder oil, comprising a blending means for blending used oil and fresh cylinder oil, characterized in that the blending means is in flow communication with at least one compartment of an internal combustion engine that comprises used oil or at least one storage compartment comprising used oil, at least one storage compartment for fresh cylinder oil, and at least one cylinder of an internal combustion engine. A further aspect of the present invention is the use of used oil and fresh cylinder oil for the preparation of cylinder oil. The processes, apparatus and uses of the present invention are especially provided for the use with two-stroke crosshead engines installed on a ship.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, **Published:**
KM, ML, MR, NE, SN, TD, TG).

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

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*