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(71) Applicant (for all designated States except US):  
**A.P.MØLLER-MÆRSK A/S** [DK/DK]; Esplanaden  
50, DK-1263 Copenhagen K (DK).

(72) Inventors; and

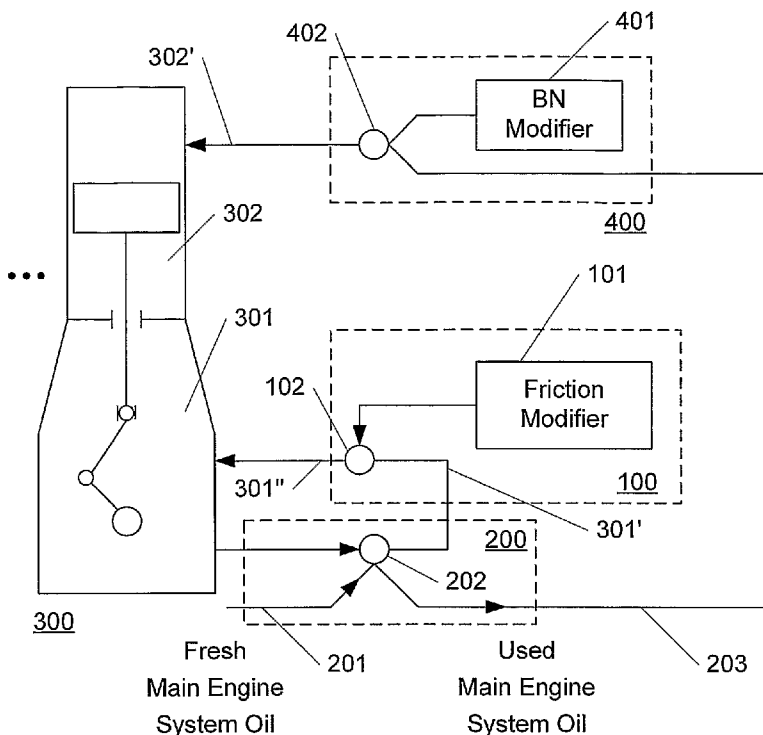
(75) Inventors/Applicants (for US only): **NATOLI, Giuseppe** [IT/IT]; Corso Svizzera 6, I-10143 Turin (IT). **POMETTO, Giulio Giovanni** [IT/IT]; Via Belgioioso 12/A, I-10155 Turin (IT). **BONCIOLINI, Alfio** [IT/IT]; Via Cuneo 16, I-10152 Turin (IT). **PETERSEN, Hans, Heinrich** [DK/DK]; Jersie Solvænge 19, DK-2680 Solrød Strand (DK). **DRAGSTED, Jørn** [DK/DK];Humlevej 3, DK-3450 Allerød (DK). **OLESEN, Claus, Martin** [DK/DK]; Rugårdsvej 11, DK-3400 Hillerød (DK). **DAMM, Klaus-Werner** [DE/US]; 117 Spring Drive, Chagrin Falls, OH 44022 (US).(74) Agent: **ZACCO DENMARK A/S**; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

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(54) Title: METHOD AND SYSTEM FOR IMPROVING FUEL ECONOMY AND ENVIRONMENTAL IMPACT OPERATING A 2-STROKE ENGINE



(57) Abstract: The present invention relates to a method of and a corresponding system for reducing fuel consumption and environmental impact in a two-stroke engine, comprising the steps of obtaining system oil/consumable system oil (301') from at least one engine (300), adding (102) at least one friction modifier (101) to at least a part of the obtained system oil/consumable system oil (301'), where the addition of the at least one friction modifier (101) reduces the friction coefficient of the obtained system oil/consumable system oil (301'), resulting in a system oil/consumable system oil with reduced friction (301''), and supplying said system oil/consumable system oil with reduced friction (301'') to said at least one engine (300). In this way, frictional losses caused by contamination of the system oil/consumable system oil are avoided or minimised, which normally take place as the oil is used and which would otherwise cause a continuous decrease in engine efficiency resulting in increased fuel consumption

and emissions. In addition, the present invention related to a method and a corresponding system to convert system oil/consumable system oil into cylinder oil. Finally, the present invention relates to a method to use a consumable system oil as it is being converted into cylinder oil. This furthermore allows for the consumable system oil to contain a lower performance additive package and/or additive treat rate. Thus great economical savings and environmental improvements are achieved.

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