

Title (en)
LUBRICANT OIL COMPOSITION AND INTERNAL-COMBUSTION-ENGINE FRICTION REDUCTION METHOD

Title (de)
SCHMIERÖLZUSAMMENSETZUNG UND REIBUNGSVERRINGERUNGSVERFAHREN FÜR BRENNKRAFTMASCHINE

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE ET PROCÉDÉ DE RÉDUCTION DE FROTTEMENT DE MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 16772852 A 20160329

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Abstract (en)
[origin: WO2016158971A1] The present invention provides a lubricant oil composition having an excellent friction reduction effect and excellent fuel saving properties. Provided is a lubricant oil composition comprising (A) a lubricant-oil base oil, (B) a molybdenum compound, and (C) an ashless friction modifier, wherein said (B) molybdenum compound contains a binuclear organic molybdenum compound represented by formula (I), the content of the binuclear organic molybdenum compound in terms of molybdenum atoms being 0.030-0.140 mass%, inclusive, on the basis of the total amount of the lubricant oil composition; as said (C) ashless friction modifier, (C1) an ester ashless friction modifier and/or (C2) an amine ashless friction modifier is contained; and the total of the contents of said (C1) ester ashless friction modifier and said (C2) amine ashless friction modifier exceeds 0.1 mass% but is not more than 1.8 mass% on the basis of the total amount of the lubricant oil composition. (I) (In formula (I), R1 to R4 each represent a hydrocarbon group having a carbon number of 4-22, and R1 to R4 may be identical or different. X1 to X4 each represent a sulfur atom or an oxygen atom.)

IPC 8 full level
C10M 141/12 (2006.01); **C10M 101/02** (2006.01); **C10M 107/02** (2006.01); **C10M 129/68** (2006.01); **C10M 129/76** (2006.01); **C10M 133/04** (2006.01); **C10M 135/18** (2006.01); **C10M 137/10** (2006.01); **C10M 139/00** (2006.01); **C10M 141/08** (2006.01); **C10M 145/14** (2006.01); **C10N 10/04** (2006.01); **C10N 10/12** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
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US
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