Title (en)

LUBRICATION OIL COMPOSITION

Title (de)

SCHMIERÖLZUSAMMENSETZUNG

Title (fr)

COMPOSITION D'HUILE DE LUBRIFICATION

Publication

EP 2772525 A4 20150527 (EN)

Application

EP 12843194 A 20121024

Priority

- JP 2011238007 A 20111028
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Abstract (en)

[origin: EP2772525A1] The present invention provides a lubricating oil composition having an extremely high viscosity index and a low coefficient of traction as a low coefficient of fluid friction in an elastohydrodynamic lubrication which is excellent in saving of energy and reduction in fuel consumption. The lubricating oil composition according to the present invention includes the following components (A) and (B): (A) a low-viscosity synthetic oil comprising a compound containing ether bond(s) in a molecule thereof and having a kinematic viscosity of less than 10 mm 2 /s as measured at 40°C, in which a ratio of the number of oxygen atoms to the number of carbon atoms as constituents of the compound (O/C ratio) and the kinematic viscosity (mm 2 /s) of the compound as measured at 40°C satisfy the following formula (1): Kinematic Viscosity at 40°C #¤ 12 - [(O/C ratio) x 30] (1); and (B) a high-viscosity synthetic oil as a hydrocarbon-based synthetic oil having a kinematic viscosity of 40 mm 2 /s or more as measured at 100°C which includes at least one compound selected from the group consisting of an ±-olefin oligomer, a hydrogenated ±-olefin oligomer and an ethylene-propylene co-oligomer.

IPC 8 full level

C10M 105/18 (2006.01); **C10M 105/34** (2006.01); **C10M 105/38** (2006.01); **C10M 107/02** (2006.01); **C10M 107/06** (2006.01); **C10M 111/04** (2006.01); C10N 20/02 (2006.01); C10N 30/00 (2006.01); C10N 30/02 (2006.01); C10N 30/06 (2006.01); C10N 40/02 (2006.01); C10N 40/04 (2006.01)

CPC (source: EP US)

C10M 105/18 (2013.01 - US); **C10M 105/36** (2013.01 - US); **C10M 105/40** (2013.01 - US); **C10M 107/00** (2013.01 - EP US); **C10M 107/34** (2013.01 - EP US); C10M 2203/003 (2013.01 - US); C10M 2203/1006 (2013.01 - EP US); C10M 2205/0225 (2013.01 - EP US); C10M 2205/0245 (2013.01 - EP US); C10M 2205/0285 (2013.01 - EP US); C10M 2207/0406 (2013.01 - EP US); C10M 2207/046 (2013.01 - US); C10M 2207/2805 (2013.01 - US); C10M 2207/2815 (2013.01 - EP US); C10M 2207/2825 (2013.01 - EP US); C10M 2207/2835 (2013.01 - EP US); C10M 2209/1075 (2013.01 - EP US); C10M 2209/1085 (2013.01 - EP US); C10M 2209/1095 (2013.01 - EP US); C10M 2215/28 (2013.01 - EP US); C10M 2219/044 (2013.01 - EP US); C10M 2223/045 (2013.01 - EP US); C10N 2010/04 (2013.01 - EP US); C10N 2020/02 (2013.01 - EP US); C10N 2030/02 (2013.01 - EP US); C10N 2030/06 (2013.01 - EP US); C10N 2030/54 (2020.05 - EP US); C10N 2030/70 (2020.05 - EP US); C10N 2040/02 (2013.01 - EP US); C10N 2040/04 (2013.01 - EP US); C10N 2040/045 (2020.05 - EP US); C10N 2040/25 (2013.01 - EP US); C10N 2060/02 (2013.01 - EP US)

Citation (search report)

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