

Title (en)

LUBRICATING OIL COMPOSITION AND DEVICE USING SAME

Title (de)

SCHMIERÖLZUSAMMENSETZUNG UND VORRICHTUNG DAMIT

Title (fr)

COMPOSITION D'HUILE LUBRIFIANTE ET DISPOSITIF L'UTILISANT

Publication

EP 2829594 A1 20150128 (EN)

Application

EP 13764788 A 20130312

Priority

- JP 2012067763 A 20120323
- JP 2013056809 W 20130312

Abstract (en)

A lubricating oil composition contains a base oil containing a compound (A) and a compound (B) below and a compound (C). The lubricating oil composition exhibits a kinematic viscosity at 40 degrees C in a range of 20 mm²/s to 40 mm²/s, a density at 15 degrees C of 1.1 g/cm³ or more, a flash point of 200 degrees C or more, and a viscosity index of 100 or more. The compound (A) is an ester or an ether having two or more aromatic rings. The compound (B) is an ester or an ether having a kinematic viscosity at 40 degrees C of 12 mm²/s or less, a density at 15 degrees C of 0.9 g/cm³ or more and a flash point of 100 degrees C or more. The compound (C) is a poly(meth)acrylate having a mass average molecular weight of 50000 or less.

IPC 8 full level

C10M 169/04 (2006.01); **C10M 105/18** (2006.01); **C10M 105/34** (2006.01); **C10M 105/36** (2006.01); **C10M 105/38** (2006.01); **C10M 145/14** (2006.01); **C10N 30/02** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP US)

C10M 111/04 (2013.01 - EP US); **C10M 169/041** (2013.01 - EP US); **C10M 2207/0406** (2013.01 - EP US); **C10M 2207/2805** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/2855** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/58** (2020.05 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

Cited by

EP3290496A4; EP2975104A4; EP4019613A1; EP3444322A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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