

Title (en)
LUBRICANT COMPOSITION

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE LUBRIFIANT

Publication
EP 2256180 A1 20101201 (EN)

Application
EP 09721741 A 20090311

Priority
• JP 2009054638 W 20090311
• JP 2008068415 A 20080317

Abstract (en)
A lubricating oil composition which comprises a base oil of lubricating oil halving a kinematic viscosity of 3.5 to 10 mm²/s at 100°C and a viscosity index of 100 or greater and (a) an ethylene- \pm -olefin copolymer having a number-average molecular weight of 2,500 to 25,000 and/or (b) a polymethacrylate having a number-average molecular weight of 10,000 to 30,000, wherein the kinematic viscosity of the composition is 5.6 to 15.0 mm²/s at 100°C. The lubricating oil exhibits excellent property for decreasing fuel consumption and can suppress generation of noise and vibration.

IPC 8 full level
C10M 169/04 (2006.01); **C10M 143/00** (2006.01); **C10M 145/14** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 157/00 (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (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 2030/52** (2020.05 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/76** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/255** (2020.05 - EP US)

Cited by
EP2966154A4; CN108431188A; RU2732123C2; WO2017114836A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2256180 A1 20101201; **EP 2256180 A4 20120307**; BR PI0908558 A2 20150922; CN 101970626 A 20110209; JP 2009221382 A 20091001; JP 5330716 B2 20131030; MY 159387 A 20161230; TW 201002814 A 20100116; TW I467008 B 20150101; US 2011077183 A1 20110331; WO 2009116438 A1 20090924

DOCDB simple family (application)
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