

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 3249030 B1 20190821 (EN)

Application
EP 16739985 A 20160107

Priority
• JP 2015007965 A 20150119
• JP 2016050404 W 20160107

Abstract (en)
[origin: EP3249030A1] A lubricating oil composition according to one embodiment of the present invention contains an oxygen-containing synthetic base oil having an oxygen content (A) of from 15 to 40 mass% and a kinetic viscosity at 100 °C of from 0.5 to 50 mm²/s, and a viscosity index improver that is an oxygen-containing compound having an oxygen content (B) of from 15 to 40 mass% and a kinetic viscosity at 100 °C of 11,000 mm²/s or more, a mass ratio of the oxygen-containing synthetic base oil and the viscosity index improver being from 99.5:0.5 to 75:25, and a ratio (A/B) of the oxygen content (A) of the oxygen-containing synthetic base oil to the oxygen content (B) of the viscosity index improver being in a range of from 0.5 to 2.

IPC 8 full level
C10M 169/04 (2006.01); **C10M 171/02** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 40/00** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01); **C10N 40/12** (2006.01); **C10N 40/25** (2006.01); **C10N 40/30** (2006.01); **C10N 60/02** (2006.01)

CPC (source: EP KR US)
C10M 105/00 (2013.01 - US); **C10M 105/18** (2013.01 - KR); **C10M 105/38** (2013.01 - KR); **C10M 107/24** (2013.01 - KR); **C10M 107/34** (2013.01 - KR); **C10M 145/04** (2013.01 - KR); **C10M 145/26** (2013.01 - KR); **C10M 145/28** (2013.01 - US); **C10M 145/30** (2013.01 - US); **C10M 145/32** (2013.01 - US); **C10M 169/04** (2013.01 - KR US); **C10M 169/041** (2013.01 - EP US); **C10M 171/02** (2013.01 - EP US); **C10M 2203/003** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/02** (2013.01 - EP US); **C10M 2205/024** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2205/223** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2209/043** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/103** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2209/106** (2013.01 - EP US); **C10N 2020/011** (2020.05 - EP US); **C10N 2020/02** (2013.01 - EP KR US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP KR US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/70** (2020.05 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP KR US); **C10N 2040/12** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/30** (2013.01 - EP KR US)

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

DOCDB simple family (publication)
EP 3249030 A1 20171129; **EP 3249030 A4 20180613**; **EP 3249030 B1 20190821**; CN 107109292 A 20170829; CN 107109292 B 20210326; JP 2016132722 A 20160725; JP 6431776 B2 20181128; KR 102603887 B1 20231117; KR 20170105484 A 20170919; US 2018016518 A1 20180118; WO 2016117378 A1 20160728

DOCDB simple family (application)
EP 16739985 A 20160107; CN 201680005718 A 20160107; JP 2015007965 A 20150119; JP 2016050404 W 20160107; KR 20177015737 A 20160107; US 201615541152 A 20160107