

Title (en)
LUBRICATING OIL COMPOSITION FOR DIESEL ENGINES

Title (de)
SCHMIERÖLZUSAMMENSETZUNG FÜR DIESELMOTOREN

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE POUR MOTEURS DIESEL

Publication
EP 3397740 B1 20211208 (EN)

Application
EP 16819121 A 20161227

Priority

- JP 2015257263 A 20151228
- EP 2016082719 W 20161227

Abstract (en)
[origin: WO2017114836A1] The invention provides a lubricating oil composition for diesel engines which contains a GTL base oil with a kinematic viscosity at 100 °C of 4.5 to 5.5 mm²/s, a comblike PMA (polymethacrylate) based viscosity index improver and a boron-containing dispersant and/or boron-containing detergent, the total content of the boron-containing dispersant and/or boron-containing detergent in terms of conversion to boron content relative to the total amount of the composition being not less than 0.025 mass%, and which satisfies 0W-30 or 5W-30 in the SAE J300 standard.

IPC 8 full level
C10M 169/04 (2006.01)

CPC (source: EP RU US)
C10M 105/34 (2013.01 - RU); **C10M 109/00** (2013.01 - US); **C10M 143/10** (2013.01 - US); **C10M 143/12** (2013.01 - US); **C10M 145/14** (2013.01 - RU US); **C10M 169/04** (2013.01 - RU); **C10M 169/044** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP); **C10M 2205/0206** (2013.01 - EP); **C10M 2205/022** (2013.01 - EP); **C10M 2205/028** (2013.01 - EP); **C10M 2205/04** (2013.01 - EP); **C10M 2205/173** (2013.01 - EP); **C10M 2207/282** (2013.01 - EP); **C10M 2207/34** (2013.01 - EP); **C10M 2209/084** (2013.01 - EP); **C10M 2219/044** (2013.01 - EP); **C10N 2020/02** (2013.01 - US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - US); **C10N 2030/10** (2013.01 - EP); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/68** (2020.05 - EP); **C10N 2030/74** (2020.05 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2060/14** (2013.01 - EP)

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)
WO 2017114836 A1 20170706; BR 112018013130 A2 20181218; CN 108431188 A 20180821; CN 108431188 B 20210528; EP 3397740 A1 20181107; EP 3397740 B1 20211208; JP 2017119787 A 20170706; JP 6677511 B2 20200408; RU 2018127539 A 20200130; RU 2018127539 A3 20200402; RU 2732123 C2 20200911; US 2020263106 A1 20200820

DOCDB simple family (application)
EP 2016082719 W 20161227; BR 112018013130 A 20161227; CN 201680076501 A 20161227; EP 16819121 A 20161227; JP 2015257263 A 20151228; RU 2018127539 A 20161227; US 201616066078 A 20161227