

Title (en)
LUBRICATING OIL COMPOSITION FOR INTERNAL COMBUSTION ENGINE

Title (de)
SCHMIERÖLZUSAMMENSETZUNG FÜR BRENNKRAFTMASCHINE

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE DESTINÉE À UN MOTEUR À COMBUSTION INTERNE

Publication
EP 3615642 A1 20200304 (EN)

Application
EP 18725757 A 20180418

Priority
• JP 2017086314 A 20170425
• EP 2018059952 W 20180418

Abstract (en)
[origin: WO2018197309A1] A lubricating oil composition comprising a GTL (Gas to-Liquid) base oil synthesized by the Fischer-Tropsch process and a viscosity index improver, wherein the content of the viscosity index improver is 0.1 to 20 mass %, and at least HTHSV 50°C/HTHSV 150°C is 6.50 or less and KV 50°C/HTHSV 150°C is 8.00 or less.

IPC 8 full level
C10M 169/04 (2006.01); **C10M 171/02** (2006.01); **C10N 10/04** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 30/02** (2006.01); **C10N 40/25** (2006.01); **C10N 60/14** (2006.01)

CPC (source: EP US)
C10M 101/02 (2013.01 - US); **C10M 139/06** (2013.01 - US); **C10M 141/12** (2013.01 - US); **C10M 143/00** (2013.01 - US); **C10M 145/14** (2013.01 - US); **C10M 169/00** (2013.01 - EP); **C10M 169/04** (2013.01 - US); **C10M 169/041** (2013.01 - EP); **C10M 171/02** (2013.01 - EP); **C10M 2203/10** (2013.01 - EP); **C10M 2203/1025** (2013.01 - EP); **C10M 2205/00** (2013.01 - US); **C10M 2205/02** (2013.01 - EP); **C10M 2205/173** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP); **C10M 2215/28** (2013.01 - EP); **C10M 2215/30** (2013.01 - US); **C10M 2219/068** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/08** (2013.01 - US); **C10M 2229/041** (2013.01 - EP); **C10M 2290/02** (2013.01 - US); **C10N 2010/04** (2013.01 - EP); **C10N 2020/02** (2013.01 - EP); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - US); **C10N 2030/10** (2013.01 - US); **C10N 2030/12** (2013.01 - US); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/68** (2020.05 - US); **C10N 2030/74** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US)

C-Set (source: EP)
1. **C10M 2219/068 + C10N 2010/12**
2. **C10M 2229/041 + C10N 2020/04**
3. **C10M 2223/045 + C10N 2010/04**
4. **C10M 2215/28 + C10N 2060/14**

Citation (search report)
See references of WO 2018197309A1

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)
WO 2018197309 A1 20181101; BR 112019022149 A2 20200512; CN 110546246 A 20191206; EP 3615642 A1 20200304; JP 2018184518 A 20181122; JP 6936041 B2 20210915; RU 2019137575 A 20210525; RU 2019137575 A3 20210813; US 2020190422 A1 20200618

DOCDB simple family (application)
EP 2018059952 W 20180418; BR 112019022149 A 20180418; CN 201880027352 A 20180418; EP 18725757 A 20180418; JP 2017086314 A 20170425; RU 2019137575 A 20180418; US 201816607835 A 20180418