

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 2878659 A4 20160309 (EN)

Application
EP 13823712 A 20130724

Priority

- JP 2012163624 A 20120724
- JP 2013079828 A 20130405
- JP 2013079816 A 20130405
- JP 2013079829 A 20130405
- JP 2013079830 A 20130405
- JP 2013079832 A 20130405
- JP 2013070101 W 20130724

Abstract (en)
[origin: EP2878659A1] A lubricating oil composition comprising a lubricating base oil having a kinematic viscosity at 100°C of 1 to 10 mm²/s, and a poly(meth)acrylate viscosity index improver containing a structural unit represented by the formula (1) in a proportion of 30 to 90 mol% and having a hydrocarbon main chain ratio of 0.18 or less: wherein R 1 represents hydrogen or a methyl group, and R 2 represents a linear or branched hydrocarbon group having a carbon number of 6 or less.

IPC 8 full level
C10M 145/14 (2006.01); **C10N 30/02** (2006.01)

CPC (source: EP US)
C10M 145/14 (2013.01 - EP US); **C10M 161/00** (2013.01 - US); **C10M 2201/087** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2010/12** (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 2030/54** (2020.05 - EP US); **C10N 2030/68** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/255** (2020.05 - EP US)

Citation (search report)

- [XP] WO 2012128350 A1 20120927 - JX NIPPON OIL & ENERGY CORP [JP], et al & EP 2690164 A1 20140129 - JX NIPPON OIL & ENERGY CORP [JP]
- [Y] JP 2011140572 A 20110721 - JX NIPPON OIL & ENERGY CORP & EP 2522710 A1 20121114 - JX NIPPON OIL & ENERGY CORP [JP]
- [A] EP 2474602 A1 20120711 - JX NIPPON OIL & ENERGY CORP [JP]
- [XY] DATABASE WPI Week 200916, Derwent World Patents Index; AN 2009-B46415, XP002749051
- See references of WO 2014017559A1

Cited by
EP3896142A1; EP4194531A1; US11365367B2; WO2019005738A1; US11939550B2

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 2878659 A1 20150603; **EP 2878659 A4 20160309**; CN 104487554 A 20150401; CN 104487554 B 20180313; JP 6125503 B2 20170510; JP WO2014017559 A1 20160711; US 2015203785 A1 20150723; WO 2014017559 A1 20140130

DOCDB simple family (application)
EP 13823712 A 20130724; CN 201380039481 A 20130724; JP 2013070101 W 20130724; JP 2014526981 A 20130724; US 201314416339 A 20130724