

Title (en)  
LUBRICANT COMPOSITION FOR INTERNAL COMBUSTION ENGINES

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG FÜR VERBRENNUNGSMOTOREN

Title (fr)  
COMPOSITION LUBRIFIANTE POUR MOTEURS À COMBUSTION INTERNE

Publication  
**EP 2610331 B1 20190417 (EN)**

Application  
**EP 11819862 A 20110819**

Priority  
• JP 2010186834 A 20100824  
• JP 2011068747 W 20110819

Abstract (en)  
[origin: EP2610331A1] Provided is a lubricating oil composition for an internal combustion engine, including: an organic molybdenum compound as a component (A); a base oil having a kinematic viscosity at 100°C of 25 mm<sup>2</sup>/s or more as a component (B); and a base oil having a kinematic viscosity at 100°C of less than 12.5 mm<sup>2</sup>/s as a component (C), in which the composition has a kinematic viscosity at 100°C of 5 mm<sup>2</sup>/s to 12.5 mm<sup>2</sup>/s and a phosphorus content of 800 ppm or less.

IPC 8 full level  
**C10M 141/10** (2006.01); **C10M 135/18** (2006.01); **C10M 137/10** (2006.01); **C10M 139/00** (2006.01); **C10M 169/04** (2006.01); **C10N 10/12** (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01); **C10N 30/08** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)  
**C10M 103/02** (2013.01 - KR); **C10M 105/16** (2013.01 - KR); **C10M 105/24** (2013.01 - KR); **C10M 105/28** (2013.01 - KR); **C10M 105/30** (2013.01 - KR); **C10M 105/40** (2013.01 - KR); **C10M 105/44** (2013.01 - KR); **C10M 135/18** (2013.01 - EP KR US); **C10M 137/10** (2013.01 - KR); **C10M 139/00** (2013.01 - KR); **C10M 141/10** (2013.01 - KR); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/026** (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 2215/06** (2013.01 - EP US); **C10M 2215/064** (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 2010/12** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/255** (2020.05 - EP US)

Cited by  
EP2550346A4; US9546340B2; US9896638B2; WO2021124030A1

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 2610331 A1 20130703**; **EP 2610331 A4 20140521**; **EP 2610331 B1 20190417**; CN 103068955 A 20130424; CN 103068955 B 20160406; JP 2012046555 A 20120308; KR 20130108532 A 20131004; US 2013310289 A1 20131121; WO 2012026399 A1 20120301

DOCDB simple family (application)  
**EP 11819862 A 20110819**; CN 201180041033 A 20110819; JP 2010186834 A 20100824; JP 2011068747 W 20110819; KR 20137003028 A 20110819; US 201113818329 A 20110819