

Title (en)  
LONG DURATION FUEL ECONOMY LUBRICATING COMPOSITION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG MIT LANGER DAUER FÜR ÖKONOMISCHEN KRAFTSTOFFVERBRAUCH

Title (fr)  
COMPOSITION LUBRIFIANTE A FUEL ECO LONGUE DURÉE

Publication  
**EP 3325583 A1 20180530 (FR)**

Application  
**EP 16745659 A 20160722**

Priority  
• FR 1557012 A 20150723  
• EP 2016067481 W 20160722

Abstract (en)  
[origin: WO2017013238A1] The invention relates to the field of lubricating compositions, in particular the fuel economy (FE) properties of the lubricating compositions. The invention relates to the combined use of at least one derivative of molybdenum and of at least one derivative of boron in order to preserve the fuel economy (FE) properties of a lubricating composition also comprising at least one base oil. The invention also relates to the use, within a lubricating composition also comprising at least one base oil, of a combination of at least one derivative of molybdenum and of at least one derivative of boron, and at least 30 ppm or at most 600 ppm of boron with respect to the weight of lubricating composition to preserve the fuel economy (FE) properties of this lubricating composition.

IPC 8 full level  
**C10M 141/12** (2006.01)

CPC (source: EP KR US)  
**C10M 135/26** (2013.01 - US); **C10M 137/10** (2013.01 - US); **C10M 139/00** (2013.01 - US); **C10M 141/12** (2013.01 - EP KR US); **C10M 155/00** (2013.01 - US); **C10M 161/00** (2013.01 - US); **C10M 169/04** (2013.01 - US); **C10M 169/044** (2013.01 - US); **C10M 2201/087** (2013.01 - EP KR US); **C10M 2203/003** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP KR US); **C10M 2207/026** (2013.01 - EP KR US); **C10M 2207/125** (2013.01 - EP KR US); **C10M 2207/262** (2013.01 - EP KR US); **C10M 2209/084** (2013.01 - EP KR US); **C10M 2209/102** (2013.01 - EP KR US); **C10M 2215/064** (2013.01 - EP KR US); **C10M 2215/28** (2013.01 - EP KR US); **C10M 2219/068** (2013.01 - EP US); **C10M 2219/085** (2013.01 - US); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10M 2227/062** (2013.01 - EP KR US); **C10M 2227/066** (2013.01 - EP US); **C10M 2229/00** (2013.01 - US); **C10N 2010/12** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2060/14** (2013.01 - EP US)

C-Set (source: EP US)  
EP  
1. **C10M 2219/068 + C10N 2010/12**  
2. **C10M 2223/045 + C10N 2010/12**  
3. **C10M 2203/1025 + C10N 2020/02**  
4. **C10M 2223/045 + C10N 2010/04**  
5. **C10M 2215/28 + C10N 2060/14**  
6. **C10M 2207/125 + C10N 2060/14**  
US  
1. **C10M 2219/068 + C10N 2010/12**  
2. **C10M 2223/045 + C10N 2010/12**  
3. **C10M 2223/045 + C10N 2010/04**  
4. **C10M 2215/28 + C10N 2060/14**  
5. **C10M 2203/1025 + C10N 2020/02**  
6. **C10M 2207/125 + C10N 2060/14**

Cited by  
FR3118630A1; WO2022148753A1

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 2017013238 A1 20170126**; AR 105432 A1 20171004; BR 112018001295 A2 20180911; EP 3325583 A1 20180530; EP 3325583 B1 20200408; FR 3039165 A1 20170127; FR 3039165 B1 20181130; JP 2018521197 A 20180802; KR 102647800 B1 20240314; KR 20180026545 A 20180312; MX 2018000924 A 20180515; US 11268044 B2 20220308; US 2019010418 A1 20190110

DOCDB simple family (application)  
**EP 2016067481 W 20160722**; AR P160102216 A 20160721; BR 112018001295 A 20160722; EP 16745659 A 20160722; FR 1557012 A 20150723; JP 2018503597 A 20160722; KR 20187005305 A 20160722; MX 2018000924 A 20160722; US 201615747039 A 20160722