

Title (en)

USE OF A LUBRICANT COMPOSITION FOR REDUCING KNOCKING

Title (de)

VERWENDUNG EINER SCHMIERMITTELZUSAMMENSETZUNG ZUR REDUZIERUNG VON KLOPFEN

Title (fr)

UTILISATION D'UNE COMPOSITION LUBRIFIANTE POUR DIMINUER LE CLIQUETIS

Publication

**EP 3134495 A1 20170301 (FR)**

Application

**EP 15716841 A 20150421**

Priority

- FR 1453752 A 20140425
- EP 2015058615 W 20150421

Abstract (en)

[origin: WO2015162137A1] The invention relates to a lubricant composition comprising at least one base oil and at least one organic compound. The lubricant composition according to the invention thereby enables the reduction, and even elimination, of knocking in vehicle engines, preferably motor vehicle engines.

IPC 8 full level

**C10M 127/04** (2006.01); **C10M 129/16** (2006.01); **C10M 133/12** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: CN EP KR US)

**C10M 105/04** (2013.01 - US); **C10M 127/04** (2013.01 - CN EP KR US); **C10M 129/16** (2013.01 - CN EP KR US); **C10M 133/12** (2013.01 - CN EP KR US); **C10M 169/04** (2013.01 - KR); **C10M 2203/024** (2013.01 - US); **C10M 2203/06** (2013.01 - CN EP KR US); **C10M 2205/0285** (2013.01 - CN EP KR US); **C10M 2205/04** (2013.01 - CN EP KR US); **C10M 2207/026** (2013.01 - CN EP KR US); **C10M 2207/04** (2013.01 - CN EP KR US); **C10M 2207/144** (2013.01 - US); **C10M 2207/262** (2013.01 - CN EP KR US); **C10M 2207/2835** (2013.01 - CN EP KR US); **C10M 2209/084** (2013.01 - CN EP US); **C10M 2215/06** (2013.01 - CN EP US); **C10M 2215/064** (2013.01 - CN EP US); **C10M 2215/28** (2013.01 - CN EP US); **C10M 2219/068** (2013.01 - CN EP US); **C10M 2223/045** (2013.01 - CN EP US); **C10M 2229/02** (2013.01 - CN EP US); **C10N 2030/00** (2013.01 - CN EP US); **C10N 2030/06** (2013.01 - CN EP US); **C10N 2030/10** (2013.01 - US); **C10N 2030/18** (2013.01 - US); **C10N 2030/54** (2020.05 - CN EP US); **C10N 2030/76** (2020.05 - US); **C10N 2040/25** (2013.01 - US); **C10N 2040/255** (2020.05 - CN EP US)

C-Set (source: CN EP US)

CN

1. **C10M 2219/068 + C10N 2010/12**
2. **C10M 2207/262 + C10N 2010/04**
3. **C10M 2223/045 + C10N 2010/04**

EP

1. **C10M 2219/068 + C10N 2010/12**
2. **C10M 2207/262 + C10N 2010/04**
3. **C10M 2223/045 + C10N 2010/04**
4. **C10M 2205/04 + C10M 2205/06 + C10N 2060/02**
5. **C10M 2215/28 + C10N 2060/14**

US

1. **C10M 2205/04 + C10M 2205/06 + C10N 2060/02**
2. **C10M 2219/068 + C10N 2010/12**
3. **C10M 2215/28 + C10N 2060/14**
4. **C10M 2207/262 + C10N 2010/04**
5. **C10M 2223/045 + C10N 2010/04**

Citation (search report)

See references of WO 2015162137A1

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 2015162137 A1 20151029**; CN 106459804 A 20170222; EP 3134495 A1 20170301; EP 3134495 B1 20200902; FR 3020377 A1 20151030; FR 3020377 B1 20201127; JP 2017513995 A 20170601; KR 102392304 B1 20220502; KR 20160147911 A 20161223; MX 2016014018 A 20170111; US 2017051226 A1 20170223

DOCDB simple family (application)

**EP 2015058615 W 20150421**; CN 201580021444 A 20150421; EP 15716841 A 20150421; FR 1453752 A 20140425; JP 2016564142 A 20150421; KR 20167032834 A 20150421; MX 2016014018 A 20150421; US 201515306302 A 20150421