

Title (en)

USE OF LUBRICATING COMPOSITIONS FOR PREVENTING OR REDUCING PRE-IGNITION IN AN ENGINE

Title (de)

VERWENDUNG VON SCHMIERMITTELZUSAMMENSETZUNGEN ZUR VERHINDERUNG ODER VERRINGERUNG DER VORZÜNDUNG IN EINEM MOTOR

Title (fr)

UTILISATION DES COMPOSITIONS LUBRIFIANTES POUR PREVENIR OU DIMINUER LE PRE-ALLUMAGE DANS UN MOTEUR

Publication

EP 3331974 B1 20210414 (FR)

Application

EP 16750763 A 20160805

Priority

- FR 1557591 A 20150806
- EP 2016068719 W 20160805

Abstract (en)

[origin: WO2017021521A1] The invention relates to the use of a lubricating composition comprising at least one base oil and at least one polyalkylene glycol (PAG) produced by polymerisation or copolymerisation of alkylene oxides comprising between 3 and 8 carbon atoms, at least one of which being a butylene oxide, for preventing or reducing pre-ignition in an engine, preferably in a vehicle engine.

IPC 8 full level

C10M 107/34 (2006.01); **C10M 145/30** (2006.01); **C10M 145/32** (2006.01); **C10M 145/34** (2006.01); **C10N 30/00** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

C10M 107/34 (2013.01 - EP US); **C10M 145/26** (2013.01 - EP US); **C10M 145/30** (2013.01 - EP US); **C10M 145/32** (2013.01 - EP US); **C10M 145/34** (2013.01 - EP US); **C10M 145/36** (2013.01 - EP US); **C10M 2209/103** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2209/1055** (2013.01 - EP US); **C10M 2209/106** (2013.01 - EP US); **C10M 2209/1065** (2013.01 - EP US); **C10M 2209/107** (2013.01 - EP US); **C10M 2209/1075** (2013.01 - EP US); **C10M 2209/108** (2013.01 - EP US); **C10M 2209/1085** (2013.01 - EP US); **C10N 2030/00** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/255** (2020.05 - EP US)

C-Set (source: EP US)

1. **C10M 2209/105 + C10M 2209/106 + C10M 2209/108**
2. **C10M 2209/1055 + C10M 2209/1065 + C10M 2209/1085**

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)

WO 2017021521 A1 20170209; CN 107922871 A 20180417; EP 3331974 A1 20180613; EP 3331974 B1 20210414; FR 3039834 A1 20170210; FR 3039834 B1 20180831; US 2018223217 A1 20180809

DOCDB simple family (application)

EP 2016068719 W 20160805; CN 201680046018 A 20160805; EP 16750763 A 20160805; FR 1557591 A 20150806; US 201615748239 A 20160805