

Title (en)
USE FOR REDUCING LOW SPEED PRE-IGNITION

Title (de)
VERWENDUNG ZUR VERMINDERUNG VON VORZÜNDUNG MIT NIEDRIGER GESCHWINDIGKEIT

Title (fr)
UTILISATION POUR LE RÉDUCTION DU PRÉ-ALLUMAGE À FAIBLE VITESSE

Publication
EP 3227414 A1 20171011 (EN)

Application
EP 15804722 A 20151130

Priority
• US 201462086286 P 20141202
• EP 2015078076 W 20151130

Abstract (en)
[origin: WO2016087379A1] Use of Fischer-Tropsch derived base oil in a lubricating composition for reducing the occurrence of Low Speed Pre-Ignition (LSPI) in an internal combustion engine.

IPC 8 full level
C10M 107/02 (2006.01); **C10N 20/02** (2006.01); **C10N 40/25** (2006.01)

CPC (source: CN EP RU)
C10M 107/02 (2013.01 - CN EP RU); **C10M 169/06** (2013.01 - RU); **C10M 171/02** (2013.01 - CN); **C10M 2205/173** (2013.01 - CN EP); **C10N 2020/02** (2013.01 - CN EP); **C10N 2030/76** (2020.05 - CN EP); **C10N 2040/255** (2020.05 - CN EP)

Citation (search report)
See references of WO 2016087379A1

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 2016087379 A1 20160609; BR 112017011744 A2 20171226; BR 112017011744 B1 20210518; CN 107001978 A 20170801; CN 107001978 B 20220719; EP 3227414 A1 20171011; EP 3227414 B1 20180912; JP 2018501347 A 20180118; JP 6694432 B2 20200513; RU 2017123210 A 20190109; RU 2017123210 A3 20190522; RU 2703731 C2 20191022

DOCDB simple family (application)
EP 2015078076 W 20151130; BR 112017011744 A 20151130; CN 201580063988 A 20151130; EP 15804722 A 20151130; JP 2017529812 A 20151130; RU 2017123210 A 20151130