Title (en)

USE FOR IMPROVING HIGH TEMPERATURE PERFORMANCE IN AN ENGINE

Title (de)

VERWENDUNG ZUR VERBESSERUNG DER HOCHTEMPERATUREIGENSCHAFTEN IN EINEM MOTOR

Title (fr)

UTILISATION POUR AMÉLIORER LES PERFORMANCES À HAUTE TEMPÉRATURE DANS UN MOTEUR

Publication

EP 2941476 A1 20151111 (EN)

Application

EP 13818921 A 20131219

Priority

- US 201361748776 P 20130104
- US 2013076365 W 20131219

Abstract (en)

[origin: US2014194333A1] A method for improving fuel efficiency, while maintaining or improving high temperature wear, deposit and varnish control, in an engine lubricated with a lubricating oil by using as the lubricating oil a formulated oil. The formulated oil has a composition including a lubricating oil base stock as a major component, and at least one alkoxylated alcohol as a minor component. Fuel efficiency is improved and high temperature wear, deposit and varnish control are maintained or improved as compared to high temperature wear, deposit and varnish control achieved using a lubricating engine oil containing a minor component other than the at least one alkoxylated alcohol. A lubricating engine oil having a composition including a lubricating oil base stock as a major component, and at least one alkoxylated alcohol as a minor component. The lubricating engine oils are useful in internal combustion engines including direct injection, gasoline and diesel engines.

IPC 8 full level

C10M 145/36 (2006.01); **C10M 131/10** (2006.01); **C10M 169/04** (2006.01)

CPC (source: EP US)

C10M 131/10 (2013.01 - EP US); **C10M 145/36** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 169/041** (2013.01 - EP US); **C10M 169/044** (2013.01 - EP US); C10M 2203/1006 (2013.01 - EP US); C10M 2203/1025 (2013.01 - EP US); C10M 2205/0285 (2013.01 - EP US); C10M 2205/04 (2013.01 - EP US); C10M 2207/026 (2013.01 - EP US); C10M 2207/046 (2013.01 - EP US); C10M 2207/126 (2013.01 - EP US); C10M 2207/262 (2013.01 - EP US); C10M 2207/2805 (2013.01 - EP US); C10M 2209/062 (2013.01 - EP US); C10M 2209/084 (2013.01 - EP US); C10M 2209/103 (2013.01 - EP US); C10M 2209/104 (2013.01 - EP US); C10M 2209/105 (2013.01 - EP US); C10M 2209/106 (2013.01 - EP US); C10M 2209/107 (2013.01 - EP US); C10M 2215/064 (2013.01 - EP US); C10M 2215/28 (2013.01 - EP US); C10M 2219/046 (2013.01 - EP US); C10M 2219/068 (2013.01 - EP US); C10M 2223/00 (2013.01 - EP US); C10M 2223/045 (2013.01 - EP US); C10M 2229/02 (2013.01 - EP US); C10N 2030/04 (2013.01 - EP US); C10N 2030/06 (2013.01 - EP US); C10N 2030/08 (2013.01 - EP US); C10N 2030/42 (2020.05 - EP US); C10N 2030/45 (2020.05 - EP US); C10N 2030/52 (2020.05 - EP US); C10N 2030/54 (2020.05 - EP US); C10N 2060/14 (2013.01 - EP US)

Citation (search report)

See references of WO 2014107315A1

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)

US 2014194333 A1 20140710; EP 2941476 A1 20151111; EP 2941476 B1 20190619; SG 10201705452W A 20170830; SG 11201504559R A 20150730; WO 2014107315 A1 20140710

DOCDB simple family (application)

US 201314104035 A 20131212; EP 13818921 A 20131219; SG 10201705452W A 20131219; SG 11201504559R A 20131219; US 2013076365 W 20131219