

Title (en)
LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED HYDROCARBYL PHENOL

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG MIT EINEM OXALKYLIERTEN HYDROCARBYLPHENOL

Title (fr)
COMPOSITION LUBRIFIANTE CONTENANT UN PHÉNOL HYDROCARBYLE OXYALKYLÉ

Publication
EP 3227417 A1 20171011 (EN)

Application
EP 15817639 A 20151203

Priority
• US 201462086818 P 20141203
• US 2015063573 W 20151203

Abstract (en)
[origin: WO2016090065A1] The disclosed technology provides lubricating composition comprising: an oil of lubricating viscosity, a p-dodecylphenol-free detergent and an oxyalkylated hydrocarbyl phenol, wherein the oxyalkylated hydrocarbyl phenol is substituted with at least one aliphatic hydrocarbyl group of 1 to 250 carbon atoms (or 20 to 220, or 30 to 150 carbon atoms), and wherein the oxyalkylated hydrocarbyl phenol is substantially free of aromatic hydrocarbyl groups. The disclosed technology further relates to a method of lubricating a mechanical device (such as an internal combustion engine) with the lubricating composition. The disclosed technology further relates to the use of the of the lubricating composition in a passenger car internal combustion engine to improve control of at least one of the following (i) fuel economy, (ii) corrosion, (iii) cleanliness, and (iv) bore wear.

IPC 8 full level
C10M 169/04 (2006.01)

CPC (source: CN EP US)
C10M 1/00 (2013.01 - US); **C10M 1/08** (2013.01 - US); **C10M 145/20** (2013.01 - US); **C10M 145/26** (2013.01 - US); **C10M 159/20** (2013.01 - US); **C10M 165/00** (2013.01 - US); **C10M 169/045** (2013.01 - CN EP US); **C10M 169/047** (2013.01 - CN EP US); **C10M 169/048** (2013.01 - CN EP US); **C10M 2201/062** (2013.01 - US); **C10M 2205/04** (2013.01 - CN EP US); **C10M 2207/023** (2013.01 - US); **C10M 2207/026** (2013.01 - CN EP US); **C10M 2207/028** (2013.01 - CN EP US); **C10M 2207/04** (2013.01 - CN EP US); **C10M 2207/046** (2013.01 - CN EP US); **C10M 2207/262** (2013.01 - CN EP US); **C10M 2209/101** (2013.01 - US); **C10M 2209/103** (2013.01 - CN EP US); **C10M 2209/104** (2013.01 - CN EP US); **C10M 2209/105** (2013.01 - CN EP US); **C10M 2215/064** (2013.01 - CN EP US); **C10M 2215/28** (2013.01 - CN EP US); **C10M 2219/02** (2013.01 - US); **C10M 2219/046** (2013.01 - CN EP US); **C10M 2223/045** (2013.01 - CN EP US); **C10M 2225/02** (2013.01 - US); **C10N 2010/04** (2013.01 - US); **C10N 2020/04** (2013.01 - US); **C10N 2030/04** (2013.01 - CN EP US); **C10N 2030/041** (2020.05 - CN EP US); **C10N 2030/06** (2013.01 - CN EP US); **C10N 2030/12** (2013.01 - CN EP US); **C10N 2030/43** (2020.05 - CN EP US); **C10N 2030/44** (2020.05 - CN EP US); **C10N 2030/45** (2020.05 - CN EP US); **C10N 2030/52** (2020.05 - CN EP US); **C10N 2030/54** (2020.05 - CN EP US); **C10N 2040/25** (2013.01 - CN EP US); **C10N 2040/252** (2020.05 - CN EP US); **C10N 2040/253** (2020.05 - CN EP US); **C10N 2040/255** (2020.05 - CN EP US)

Citation (search report)
See references of WO 2016090065A1

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 2016090065 A1 20160609; CA 2969651 A1 20160609; CA 2969651 C 20230221; CN 107109290 A 20170829; EP 3227417 A1 20171011; JP 2017536463 A 20171207; SG 11201704171R A 20170629; US 2017267941 A1 20170921

DOCDB simple family (application)
US 2015063573 W 20151203; CA 2969651 A 20151203; CN 201580065021 A 20151203; EP 15817639 A 20151203; JP 2017529359 A 20151203; SG 11201704171R A 20151203; US 201515532219 A 20151203