Title (en)

LUBRICANT COMPOSITIONS

Title (de)

SCHMIERMITTELZUSAMMENSETZUNGEN

Title (fr)

COMPOSITIONS LUBRIFIANTES

Publication

EP 2496672 A1 20120912 (EN)

Application

EP 10775721 A 20101028

Priority

- US 25881809 P 20091106
- EP 2010006608 W 20101028

Abstract (en)

[origin: WO2011054482A1] A lubricant composition characterized by the Society of Automotive Engineers ("SAE") as 75W-140 capable of meeting the American Petroleum Institute's ("API") GL-5 performance classification requirements for use in association with a device involving metal to metal contact of moving parts comprising: (a) base-stock comprising (i) at least one relatively low viscosity polyalphaolefin, and (ii) at least one diester; (b) viscosity improver comprising (i) at least one relatively high viscosity polyalphaolefin, and (ii) polyisobutylene; and (c) a performance additive comprising at least one additive effective to improve at least one property of the lubricant and/or the performance of the equipment in which the lubricant is to be used.

IPC 8 full level

C10M 169/04 (2006.01)

CPC (source: EP US)

C10M 169/041 (2013.01 - EP US); C10M 2205/026 (2013.01 - EP US); C10M 2205/028 (2013.01 - EP US); C10M 2205/0285 (2013.01 - EP US); C10M 2207/2835 (2013.01 - EP US); C10N 2030/02 (2013.01 - EP US); C10N 2030/06 (2013.01 - EP US); C10N 2030/08 (2013.01 - EP US); C10N 2030/10 (2013.01 - EP US); C10N 2030/12 (2013.01 - EP US); C10N 2030/18 (2013.01 - EP US); C10N 2030/26 (2020.05 - EP US); C10N 2040/02 (2013.01 - EP US)

Citation (search report)

See references of WO 2011054482A1

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 2011054482 A1 20110512; AU 2010314413 A1 20120503; AU 2010314413 B2 20160428; CA 2779346 A1 20110512; CA 2779346 C 20180814; CN 102712870 A 20121003; EP 2496672 A1 20120912; EP 2496672 B1 20180131; ES 2665459 T3 20180425; JP 2013510198 A 20130321; KR 20120114218 A 20121016; MX 2012004802 A 20120619; NO 2496672 T3 20180630; PL 2496672 T3 20180831; US 2011111996 A1 20110512

DOCDB simple family (application)

EP 2010006608 W 20101028; AU 2010314413 A 20101028; CA 2779346 A 20101028; CN 201080049961 A 20101028; EP 10775721 A 20101028; ES 10775721 T 20101028; JP 2012537316 A 20101028; KR 20127011198 A 20101028; MX 2012004802 A 20101028; NO 10775721 A 20101028; PL 10775721 T 20101028; US 94144110 A 20101108