

Title (en)  
ENGINE LUBRICANT COMPOSITION

Title (de)  
MOTORSCHMIERMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION LUBRIFIANTE POUR MOTEUR

Publication  
**EP 2643441 B1 20180221 (FR)**

Application  
**EP 11794864 A 20111124**

Priority  
• FR 1059815 A 20101126  
• IB 2011055269 W 20111124

Abstract (en)  
[origin: WO2012070007A1] The present invention relates to lubricant compositions comprising: (a) one or more polyalkylene glycol base oils obtained by polymerization or copolymerization of alkylene oxides comprising from 3 to 8 carbon atoms, including at least one butylene oxide and (b) at least one detergent chosen from salicylates or phenates. The present invention also relates to the use of a lubricant composition according to the invention as engine oil, preferably as oil for the engines of petrol or diesel motor vehicles. The present invention also relates to the use of a group of additives for an engine lubricant comprising polyalkylene glycol bases obtained by polymerization or copolymerization of alkylene oxides comprising from 3 to 8 carbon atoms. The present invention also relates to the use of at least one additive chosen from salicylates, phenates, dithiocarbamates, amine-based or phenol-based antioxidants, preferably from salicylates or phenates, for reducing the Noack volatility of the base oils of polyalkylene glycol type, obtained from alkylene oxides comprising from 3 to 8 carbon atoms.

IPC 8 full level  
**C10M 169/04** (2006.01); **C10N 40/10** (2006.01)

CPC (source: EP KR RU US)  
**C10M 107/24** (2013.01 - US); **C10M 107/34** (2013.01 - KR); **C10M 169/04** (2013.01 - EP KR RU US); **C10M 2207/023** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/74** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US)

Citation (examination)  
• US 5198135 A 19930330 - GALIC MARY [US], et al  
• WILFRIED J BARTZ ET AL: "Einsatz synthetischer Schmierstoffe und Arbeitsflüssigkeiten in der Industrie und in Fahrzeugen", POLYALKYLENGLYKOLE STRUKTUR , HERSTELLUNG UND EIGENSCHAFTEN, 4 October 2006 (2006-10-04), Esslingen, XP055158275

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 2012070007 A1 20120531**; AR 084010 A1 20130417; BR 112013012777 A2 20160913; CA 2819326 A1 20120531; CN 103249821 A 20130814; CN 103249821 B 20150408; EP 2643441 A1 20131002; EP 2643441 B1 20180221; FR 2968011 A1 20120601; FR 2968011 B1 20140221; JP 2013543924 A 20131209; JP 5992915 B2 20160914; KR 101839940 B1 20180504; KR 20140017498 A 20140211; MX 2013005838 A 20140305; MX 344099 B 20161205; RU 2013122958 A 20150110; RU 2604722 C2 20161210; US 2013244917 A1 20130919; US 9546335 B2 20170117

DOCDB simple family (application)  
**IB 2011055269 W 20111124**; AR P110104414 A 20111125; BR 112013012777 A 20111124; CA 2819326 A 20111124; CN 201180056789 A 20111124; EP 11794864 A 20111124; FR 1059815 A 20101126; JP 2013540471 A 20111124; KR 20137013366 A 20111124; MX 2013005838 A 20111124; RU 2013122958 A 20111124; US 201113988902 A 20111124