

Title (en)  
Lubricating oil composition

Title (de)  
Schmierölsammensetzung

Title (fr)  
Composition d'huile lubrifiante

Publication  
**EP 2371934 B1 20170315 (EN)**

Application  
**EP 11159502 A 20110324**

Priority  
• EP 10158789 A 20100331  
• EP 11159502 A 20110324

Abstract (en)  
[origin: EP2371934A1] A lubricating oil composition having a phosphorus content of up to 0.12 wt%, a sulfated ash content of up to 1.2 wt% comprising (a) a major amount of an oil of lubricating viscosity; (b) an alkali metal or alkaline earth metal alkyl salicylate lubricating oil detergent providing from 7-15 mmol salicylate soap per kilogram of lubricating oil composition; (c) one or more dispersants providing the lubricating oil composition with from at least 0.12 wt% to 0.20 wt% atomic nitrogen, based on the weight of the lubricating oil composition, and (d) a dispersant-viscosity modifier.

IPC 8 full level  
**C10M 163/00** (2006.01); **C10M 167/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 163/00** (2013.01 - EP US); **C10M 167/00** (2013.01 - EP US); **C10M 2203/10** (2013.01 - EP US); **C10M 2203/102** (2013.01 - EP US); **C10M 2207/262** (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 2223/045** (2013.01 - EP US); **C10M 2227/09** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/40** (2020.05 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2030/72** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US)

Cited by  
RU2720234C2; KR20190107085A; EP3476923A1; US10214703B2; US10513668B2; US11155764B2; US10421922B2; US10370615B2; US10336959B2; US10443011B2; US10377963B2; WO2018136138A1; US10280383B2; US10443558B2; US10550349B2; EP3101095B1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 11159502 A 20110324**; BR PI1101393 A 20110330; CA 2735498 A 20110330; CN 201110079689 A 20110331; JP 2011092460 A 20110331; US 201113075223 A 20110330