

Title (en)

Fuel economy lubricating oil composition for lubricating diesel engines

Title (de)

Schmierölszusammensetzung mit Kraftstoffeinsparung zur Schmierung von Dieselmotoren

Title (fr)

Composition d'huile lubrifiante économisant du carburant pour la lubrification de moteurs diesel

Publication

**EP 2011855 B1 20120926 (EN)**

Application

**EP 08252215 A 20080627**

Priority

JP 2007170667 A 20070628

Abstract (en)

[origin: EP2011855A2] A lubricating oil composition for internal combustion engines comprising a base oil having and lubricating viscosity and additives composed of a) a salt of an alkali metal or alkaline earth metal and an alkylsalicylate and/or an alkylcarboxylate, b) a nitrogen atom-containing ashless dispersant and/or a nitrogen atom-containing dispersive viscosity index improver, c) a neutral salt of a fatty acid and a fatty amine, and d) oxidation inhibitor, is effective for lubricating diesel engines using a low sulfur-content fuel, even though it has a low sulfated ash content, a low sulfur content and a low phosphorus content.

IPC 8 full level

**C10M 169/04** (2006.01); **C10M 141/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

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Cited by

EP2791295A4; EP2573155A1; RU2768169C2; FR3048433A1; CN108699474A; CN102549125A; KR20120093933A; CN105829512A; CN107075403A; RU2709211C2; US9029303B2; US8648021B2; US9404062B2; US8785359B2; US8546312B2; WO2017149119A1; US8796194B2; US8999904B2; US9447359B2; WO2015059162A1; WO2016046133A1; WO2011042552A1; EP2316823A1; US8563486B2; US8703663B2; US9487728B2

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