

Title (en)  
LUBRICANT OIL COMPOSITION

Title (de)  
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)  
COMPOSITION D'HUILE LUBRIFIANTE

Publication  
**EP 2204438 A1 20100707 (EN)**

Application  
**EP 08839550 A 20080922**

Priority  
• JP 2008067099 W 20080922  
• JP 2007269380 A 20071016

Abstract (en)

Provided is a lubricating oil composition, which is used in an internal combustion engine employing a fuel containing at least one kind selected from a hydrogenated product of natural fats and oils, a transesterification product of natural fats and oils, and a hydrogenated product of a transesterification product of natural fats and oils, which includes an alkali metal borate or a hydrate thereof in an alkali metal-corresponding amount of 10 to 1,000 ppm by mass in terms of total amount of the lubricating oil composition, and which can satisfactorily exhibit cleanliness even in the case where the above-mentioned fuel is mixed therein or the case where ash content thereof is low.

IPC 8 full level

**C10M 125/26** (2006.01); **C10M 129/10** (2006.01); **C10M 129/76** (2006.01); **C10M 133/04** (2006.01); **C10M 139/00** (2006.01);  
**C10N 10/02** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

**C10M 125/26** (2013.01 - EP US); **C10M 141/02** (2013.01 - US); **C10M 141/12** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US);  
**C10M 2203/1006** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/284** (2013.01 - EP US);  
**C10M 2207/289** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US);  
**C10M 2215/28** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/09** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US);  
**C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US);  
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**C10N 2030/78** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/253** (2020.05 - EP US)

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

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WO 2009050984 A1 20090423

DOCDB simple family (application)

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