

Title (en)  
LUBRICANT COMPOSITION

Title (de)  
SCHMIERSTOFFZUSAMMENSETZUNG

Title (fr)  
COMPOSITION LUBRIFIANTE

Publication  
**EP 2223992 A1 20100901 (EN)**

Application  
**EP 08841541 A 20081017**

Priority  
• JP 2008068860 W 20081017  
• JP 2007274080 A 20071022

Abstract (en)  
A lubricating oil composition is used in an internal combustion engine that uses a fuel containing at least one fat and oil selected from a group consisting of natural fat and oil, hydrotreated natural fat and oil, transesterified natural fat and oil and hydrotreated transesterified natural fat and oil. A polyol ester having a kinematic viscosity in the range of 3 to 8 mm<sup>2</sup>/s at 100 degrees C and/or a polybasic acid ester having a kinematic viscosity in the range of 3 to 8 mm<sup>2</sup>/s at 100 degrees C is mixed in an amount in the range of 5 to 30 mass% of a total amount of the lubricating oil composition as a base oil of lubricating oil.

IPC 8 full level  
**C10M 105/32** (2006.01); **C10M 105/36** (2006.01); **C10M 105/38** (2006.01); **C10M 129/10** (2006.01); **C10M 129/70** (2006.01); **C10M 133/04** (2006.01); **C10M 135/10** (2006.01); **C10M 139/00** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10M 169/04** (2006.01); **C10N 10/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 30/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 105/36** (2013.01 - EP US); **C10M 105/38** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2207/2835** (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); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/041** (2020.05 - EP US); **C10N 2030/08** (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 2030/74** (2020.05 - EP US); **C10N 2030/78** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US)

C-Set (source: EP US)  
EP  
1. **C10M 2223/045 + C10N 2010/04**  
2. **C10M 2207/262 + C10N 2010/04**  
3. **C10M 2215/28 + C10N 2060/14**  
US  
1. **C10M 2215/28 + C10N 2060/14**  
2. **C10M 2223/045 + C10N 2010/04**  
3. **C10M 2207/262 + C10N 2010/04**

Cited by  
EP2055761A2; EP2141220A4; EP2483378A4; US8349775B2; WO2020023430A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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