

Title (en)
LUBRICANT COMPOSITION

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION LUBRIFIANTE

Publication
EP 2248876 A4 20111012 (EN)

Application
EP 09710998 A 20090210

Priority
• JP 2009052219 W 20090210
• JP 2008033313 A 20080214

Abstract (en)
[origin: EP2248876A1] A lubricating oil composition is used in an internal combustion engine that uses a fuel containing at least one fat and oil of natural fat and oil, hydrotreated natural fat and oil, transesterified natural fat and oil and hydrotreated transesterified natural fat and oil. A sulfur compound containing at least one -C-S-C-bond is added to base oil. A content of sulfur contained in the -C-S-C-bond is 0.3 mass% or less based on a total amount of the compound.

IPC 8 full level
C10M 135/00 (2006.01); **C10M 129/10** (2006.01); **C10M 133/12** (2006.01); **C10M 135/18** (2006.01); **C10M 135/22** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10M 163/00** (2006.01); **C10M 169/04** (2006.01); **C10N 10/04** (2006.01); **C10N 30/12** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 135/00 (2013.01 - EP US); **C10M 163/00** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/2815** (2013.01 - EP US); **C10M 2207/401** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2215/24** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/06** (2013.01 - EP US); **C10M 2219/066** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2219/08** (2013.01 - EP US); **C10M 2219/082** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2030/78** (2020.05 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2060/02** (2013.01 - EP US)

C-Set (source: EP US)
1. **C10M 2207/026 + C10M 2207/281**
2. **C10M 2207/026 + C10M 2207/283**
3. **C10M 2207/262 + C10N 2010/04**
4. **C10M 2223/045 + C10N 2010/04**

Citation (search report)
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• [X] WO 2007044820 A1 20070419 - LUBRIZOL CORP [US], et al
• [A] GARY M PARSONS: "Biodiesel and Engine Lubrication Part 2", INTERNET CITATION, December 2007 (2007-12-01), pages 1 - 16, XP002558102, Retrieved from the Internet <URL:http://www.ehwwolf.com/Oct_07_Lubrication_Mag_P2_(biodiesel).pdf> [retrieved on 20091127]
• See references of WO 2009101933A1

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EP2392637A4; CN103517972A; CN103695100A; EP2692840A1; JP2014031514A; US9347018B2; EP2816098A1; US9080126B2; WO2012158595A1

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