

Title (en)
Lubricating oil composition

Title (de)
Schmierölsammensetzung

Title (fr)
Composition d'une huile lubrifiante

Publication
EP 2574657 A1 20130403 (EN)

Application
EP 12186481 A 20120928

Priority
JP 2011214116 A 20110929

Abstract (en)
A lubricating oil composition which has a sulfur content of 0.5 wt.% or less and which at least comprises a base oil and the following additive components a) to e): a) an ashless dispersant comprising an alkenyl- or alkyl-succinimide or a derivative thereof; b) an ashless dispersant comprising an alkenyl- or alkyl-succinic ester or a derivative thereof; c) a molybdenum complex of a basic nitrogen-containing compound; d) an alkaline earth metal-containing detergent having TBN of 10-400 mg##KOH/g; and e) an anti-wear agent favorably employed for lubricating internal combustion engines operated using a low sulfur hydrocarbon fuel.

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

CPC (source: EP KR US)
C10M 141/12 (2013.01 - KR); **C10M 161/00** (2013.01 - US); **C10M 163/00** (2013.01 - EP US); **C10M 169/04** (2013.01 - KR); **C10M 2203/1025** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2207/34** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/066** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP KR US)

C-Set (source: EP US)
1. **C10M 2205/022 + C10M 2205/024**
2. **C10M 2203/1025 + C10N 2020/02**

Citation (applicant)
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• JP 2002053888 A 20020219 - CHEVRON ORONITE LTD
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• US 6562765 B1 20030513 - BOFFA ALEXANDER B [US]
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• US 4089790 A 19780516 - ADAMS JOHN HOWARD

Citation (search report)
• [Y] US 2008234153 A1 20080925 - MATSUI SHIGEKI [JP]
• [Y] GB 1506786 A 19780412 - SHELL INT RESEARCH
• [A] US 2010331224 A1 20101230 - BOFFA ALEXANDER B [US], et al

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