

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 2508590 A4 20130724 (EN)

Application
EP 10834587 A 20101201

Priority
• JP 2009275771 A 20091203
• JP 2010071520 W 20101201

Abstract (en)
[origin: EP2508590A1] A lubricating oil composition which is excellent in wear resistance, despite its low phosphorus content, low sulfur content and low sulfuric acid ash content, and which exhibits excellent friction reducing effect even when used for a DLC-treated sliding part, is provided by compounding a specific sulfur-containing compound and a specific polar group-containing compound in a base oil.

IPC 8 full level
C10M 141/08 (2006.01); **C10M 129/76** (2006.01); **C10M 133/06** (2006.01); **C10M 133/16** (2006.01); **C10M 135/20** (2006.01); **C10N 20/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
C10M 129/76 (2013.01 - KR); **C10M 133/06** (2013.01 - KR); **C10M 133/16** (2013.01 - KR); **C10M 135/20** (2013.01 - EP US); **C10M 141/08** (2013.01 - EP KR US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2215/02** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/08** (2013.01 - EP US); **C10M 2215/082** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/022** (2013.01 - EP US); **C10M 2219/024** (2013.01 - EP US); **C10M 2219/066** (2013.01 - EP US); **C10M 2219/082** (2013.01 - EP US); **C10M 2219/084** (2013.01 - EP US); **C10M 2219/085** (2013.01 - EP US); **C10M 2219/09** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2030/44** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/255** (2020.05 - EP US); **C10N 2080/00** (2013.01 - EP US)

Citation (search report)
• [X] US 2007049506 A1 20070301 - KATAFUCHI TADASHI [JP], et al
• [X] EP 2077319 A1 20090708 - IDEMITSU KOSAN CO [JP]
• [X] US 4031023 A 19770621 - MUSSER JERRY LEE, et al
• See references of WO 2011068137A1

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EP2546324A4; US9309481B2

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

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EP 2508590 A1 20121010; **EP 2508590 A4 20130724**; CN 102639684 A 20120815; JP WO2011068137 A1 20130418; KR 20120099065 A 20120906; US 2012238481 A1 20120920; WO 2011068137 A1 20110609

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