

Title (en)

HYDRAULIC COMPOSITION WITH IMPROVED WEAR PROPERTIES

Title (de)

HYDRAULISCHE ZUSAMMENSETZUNG MIT VERBESSERTEN VERSCHLEISSEIGENSCHAFTEN

Title (fr)

COMPOSITION HYDRAULIQUE PRÉSENTANT DES PROPRIÉTÉS AMÉLIORÉES À L'USURE

Publication

**EP 2389427 A1 20111130 (EN)**

Application

**EP 10701963 A 20100118**

Priority

- US 2010021297 W 20100118
- US 14579009 P 20090120

Abstract (en)

[origin: WO2010085434A1] The present invention relates to methods of lubricating a mechanical device by using a low sulfur lubricating composition that contains a friction modifier and provides improved antiwear performance. The invention further provides the lubricating compositions used therein.

IPC 8 full level

**C10M 141/10** (2006.01); **C10M 169/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP KR US)

**C10M 129/18** (2013.01 - EP US); **C10M 129/40** (2013.01 - EP US); **C10M 129/70** (2013.01 - EP US); **C10M 129/74** (2013.01 - EP US); **C10M 133/04** (2013.01 - EP US); **C10M 133/16** (2013.01 - EP US); **C10M 133/46** (2013.01 - EP US); **C10M 133/48** (2013.01 - EP US); **C10M 137/02** (2013.01 - EP US); **C10M 141/10** (2013.01 - EP KR US); **C10M 169/04** (2013.01 - KR); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2205/173** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/042** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/34** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/103** (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 2215/224** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2223/043** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US); **C10M 2223/049** (2013.01 - EP US); **C10N 2020/071** (2020.05 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/24** (2020.05 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/135** (2020.05 - EP US); **C10N 2060/14** (2013.01 - EP US); **C10N 2070/02** (2020.05 - EP US)

Citation (search report)

See references of WO 2010085434A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010085434 A1 20100729**; AU 2010206868 A1 20110811; AU 2010206868 B2 20161103; BR PI1006936 A2 20170530; CA 2750240 A1 20100729; CA 2750240 C 20180529; CN 102356146 A 20120215; CN 104120000 A 20141029; EP 2389427 A1 20111130; JP 2012515833 A 20120712; JP 2015083703 A 20150430; JP 2016156028 A 20160901; JP 2017145426 A 20170824; KR 20110111308 A 20111010; KR 20170010077 A 20170125; KR 20170134779 A 20171206; US 2011287989 A1 20111124

DOCDB simple family (application)

**US 2010021297 W 20100118**; AU 2010206868 A 20100118; BR PI1006936 A 20100118; CA 2750240 A 20100118; CN 201080012371 A 20100118; CN 201410355557 A 20100118; EP 10701963 A 20100118; JP 2011548050 A 20100118; JP 2015018417 A 20150202; JP 2016107021 A 20160530; JP 2017110769 A 20170605; KR 20117019191 A 20100118; KR 20177001170 A 20100118; KR 20177034235 A 20100118; US 201013145166 A 20100118