

Title (en)

LITHIUM COMPLEX GREASE WITH IMPROVED THICKENER YIELD

Title (de)

LITHIUMKOMPLEX-SCHMIERFETT MIT ERHÖHTEM VERDICKUNGSMITTEL-ERTRAG

Title (fr)

GRAISSE COMPLEXE AU LITHIUM AYANT UN RENDEMENT ÉPAISSISSANT AMÉLIORÉ

Publication

**EP 2588583 A4 20140108 (EN)**

Application

**EP 11803960 A 20110502**

Priority

- US 82715110 A 20100630
- US 2011034750 W 20110502

Abstract (en)

[origin: US2012004153A1] Provided is an improved lithium complex grease. The grease composition has a higher thickener yield, yet good mechanical properties. The grease composition comprises a lubricating oil, a lithium complex thickener and a copolymer, which in one embodiment may comprise styrene and butadiene.

IPC 8 full level

**C10M 169/02** (2006.01); **C10M 117/00** (2006.01); **C10M 117/02** (2006.01); **C10M 117/04** (2006.01); **C10M 119/00** (2006.01); **C10M 123/04** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP KR US)

**C10M 117/00** (2013.01 - EP KR US); **C10M 117/02** (2013.01 - EP US); **C10M 117/04** (2013.01 - EP US); **C10M 119/00** (2013.01 - KR); **C10M 123/04** (2013.01 - KR); **C10M 169/02** (2013.01 - KR); **C10M 169/06** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/108** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/024** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2205/04** (2013.01 - EP US); **C10M 2205/06** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/1256** (2013.01 - EP US); **C10M 2207/1265** (2013.01 - EP US); **C10M 2207/1276** (2013.01 - EP US); **C10M 2207/1285** (2013.01 - EP US); **C10M 2207/16** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

Citation (search report)

- [X] US 3929651 A 19751230 - MURRAY DONALD W, et al
- [XY] EP 0629689 A2 19941221 - EXXON RESEARCH ENGINEERING CO [US]
- [XY] US 5116522 A 19920526 - BROWN TERRANCE O [CA], et al
- See references of WO 2012005799A2

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

DOCDB simple family (publication)

**US 2012004153 A1 20120105**; AU 2011276982 A1 20130207; CA 2801532 A1 20120112; CN 102959064 A 20130306; CN 102959064 B 20150819; EP 2588583 A2 20130508; EP 2588583 A4 20140108; JP 2013529722 A 20130722; KR 20130038357 A 20130417; MX 2012014546 A 20130211; WO 2012005799 A2 20120112; WO 2012005799 A3 20120315

DOCDB simple family (application)

**US 82715110 A 20100630**; AU 2011276982 A 20110502; CA 2801532 A 20110502; CN 201180032027 A 20110502; EP 11803960 A 20110502; JP 2013518389 A 20110502; KR 20137002571 A 20110502; MX 2012014546 A 20110502; US 2011034750 W 20110502