

Title (en)

OVERBASED METAL CARBOXYLATE COMPLEX GREASE AND PROCESS FOR MAKING

Title (de)

KOMPLEXSCHMIERFETTE VON ÜBERALKALISIERTEN METALLCARBOXYLATEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

GRAISSE COMPLEXE DE CARBOXYLATE DE MÉTAL SURBASIFIÉ ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 2344612 A4 20120829 (EN)**

Application

**EP 09811873 A 20090422**

Priority

- US 2009041378 W 20090422
- US 9459808 P 20080905

Abstract (en)

[origin: WO2010027532A1] Complex greases of overbased alkaline earth metal carboxylates are prepared by reacting an overbased alkaline earth metal salt of a fatty acid, wherein the alkaline earth metal salt has an alkaline earth metal content of at least 14.5% and a non-volatile matter content of at least 95% with conversion agents to form a grease precursor. The grease precursor is then reacted with complexing agents to form a predominantly vaterite containing non-Newtonian modified overbased metal carboxylate complex grease.

IPC 8 full level

**C10M 169/04** (2006.01); **C10M 105/22** (2006.01); **C10M 125/10** (2006.01); **C10M 125/14** (2006.01); **C10N 40/20** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)

**C10M 117/02** (2013.01 - EP US); **C10M 121/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/2613** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/26** (2020.05 - EP US); **C10N 2030/40** (2020.05 - EP US); **C10N 2030/62** (2020.05 - EP US); **C10N 2030/74** (2020.05 - EP US); **C10N 2050/10** (2013.01 - EP US)

C-Set (source: EP US)

**C10M 2207/2613** + **C10N 2010/04**

Citation (search report)

- [XP] US 2008274923 A1 20081106 - RAMEY CHESTER E [US]
- [Y] US 2004063589 A1 20040401 - RAMEY CHESTER E [US], et al
- [Y] US 6063742 A 20000516 - KONZMAN EDWARD J [US]
- See references of WO 2010027532A1

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 TR

DOCDB simple family (publication)

**WO 2010027532 A1 20100311**; CA 2722005 A1 20100311; CN 102015983 A 20110413; EP 2344612 A1 20110720; EP 2344612 A4 20120829; JP 2012502139 A 20120126; KR 20110059561 A 20110602; MX 2010011509 A 20110304; RU 2010142947 A 20120427; US 2011092404 A1 20110421

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