

Title (en)

LUBRICANT COMPOSITION BASED ON NATURAL AND RENEWABLE RAW MATERIALS

Title (de)

SCHMIERSTOFFZUSAMMENSETZUNG AUF DER BASIS NATÜRLICHER UND NACHWACHSENDER ROHSTOFFE

Title (fr)

COMPOSITION LUBRIFIANTE À BASE DE MATIÈRES PREMIÈRES NATURELLES ET RENOUVELABLES

Publication

EP 2300581 A1 20110330 (DE)

Application

EP 09761465 A 20090609

Priority

- EP 2009004147 W 20090609
- DE 102008028339 A 20080613
- DE 102009022593 A 20090526

Abstract (en)

[origin: CA2727157A1] The invention relates to a lubricant composition based on modified, natural and renewable raw materials, the viscosity of which can be adjusted according to the application. The invention relates more particularly to biodegradable lubricant compositions.

IPC 8 full level

C10M 169/04 (2006.01); **C10M 177/00** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)

C10M 169/04 (2013.01 - EP US); **C10M 177/00** (2013.01 - EP US); **C10M 2201/041** (2013.01 - EP US); **C10M 2201/061** (2013.01 - EP US); **C10M 2201/065** (2013.01 - EP US); **C10M 2201/066** (2013.01 - EP US); **C10M 2201/084** (2013.01 - EP US); **C10M 2201/085** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2201/1026** (2013.01 - EP US); **C10M 2201/1036** (2013.01 - EP US); **C10M 2203/06** (2013.01 - EP US); **C10M 2203/102** (2013.01 - EP US); **C10M 2203/106** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/106** (2013.01 - EP US); **C10M 2207/1256** (2013.01 - EP US); **C10M 2207/226** (2013.01 - EP US); **C10M 2207/2865** (2013.01 - EP US); **C10M 2207/288** (2013.01 - EP US); **C10M 2207/401** (2013.01 - EP US); **C10M 2209/103** (2013.01 - EP US); **C10M 2213/0626** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/065** (2013.01 - EP US); **C10M 2215/102** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2217/0446** (2013.01 - EP US); **C10M 2217/0456** (2013.01 - EP US); **C10M 2219/024** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10M 2219/0445** (2013.01 - EP US); **C10M 2219/066** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/041** (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); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/64** (2020.05 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/38** (2020.05 - EP US); **C10N 2050/10** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP US)

C-Set (source: EP US)

C10M 2205/022 + **C10M 2205/024**

Citation (search report)

See references of WO 2009149902A1

Cited by

CN109851851A

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102009022593 A1 20091217; AU 2009256887 A1 20091217; AU 2009256887 B2 20131010; BR PI0913418 A2 20151124; BR PI0913418 B1 20171212; CA 2727157 A1 20091217; CA 2727157 C 20140304; CN 102066536 A 20110518; CN 102066536 B 20130724; DK 2300581 T3 20121001; EP 2300581 A1 20110330; EP 2300581 B1 20120627; ES 2389475 T3 20121026; HK 1157811 A1 20120706; JP 2011522933 A 20110804; JP 5631305 B2 20141126; MX 2010013119 A 20110411; PT 2300581 E 20121003; SI 2300581 T1 20121130; US 2011124537 A1 20110526; US 8455411 B2 20130604; WO 2009149902 A1 20091217

DOCDB simple family (application)

DE 102009022593 A 20090526; AU 2009256887 A 20090609; BR PI0913418 A 20090609; CA 2727157 A 20090609; CN 200980122020 A 20090609; DK 09761465 T 20090609; EP 09761465 A 20090609; EP 2009004147 W 20090609; ES 09761465 T 20090609; HK 11112367 A 20111116; JP 2011512887 A 20090609; MX 2010013119 A 20090609; PT 09761465 T 20090609; SI 200930342 T 20090609; US 73714409 A 20090609