

Title (en)

HIGH-TEMPERATURE LUBRICANTS

Title (de)

HOCHTEMPERATURSCHMIERSTOFFE

Title (fr)

LUBRIFIANTS HAUTE TEMPÉRATURE

Publication

EP 3234079 B1 20210707 (DE)

Application

EP 15801328 A 20151119

Priority

- DE 102014018718 A 20141217
- EP 2015002322 W 20151119

Abstract (en)

[origin: WO2016096074A2] The invention relates to a food-compatible high-temperature lubricant, in particular a high-temperature oil and a high-temperature grease, comprising the following components: a) at least one oil selected from a trimellitic acid ester or a mixture of various trimellitic acid esters, alkyl aromates, preferably an aliphatically substituted naphthalene or estolide; b) a hydrogenated or fully hydrogenated polyisobutylene or a mixture of hydrogenated or fully hydrogenated polyisobutylene and; c) additives, individually or in combination. In the case of the high-temperature grease, a thickening agent is added.

IPC 8 full level

C10M 169/00 (2006.01); **C10M 169/04** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 30/08** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01); **C10N 60/02** (2006.01)

CPC (source: CN EP KR US)

C10M 105/06 (2013.01 - US); **C10M 105/36** (2013.01 - US); **C10M 107/08** (2013.01 - US); **C10M 109/00** (2013.01 - US); **C10M 111/04** (2013.01 - US); **C10M 111/06** (2013.01 - US); **C10M 169/00** (2013.01 - CN EP US); **C10M 169/04** (2013.01 - US); **C10M 169/044** (2013.01 - CN EP KR US); **C10M 2201/0626** (2013.01 - US); **C10M 2201/1026** (2013.01 - CN EP KR US); **C10M 2201/1036** (2013.01 - CN EP KR US); **C10M 2201/1056** (2013.01 - CN EP KR US); **C10M 2203/065** (2013.01 - CN EP KR US); **C10M 2205/026** (2013.01 - CN EP US); **C10M 2205/0265** (2013.01 - CN EP KR US); **C10M 2207/023** (2013.01 - US); **C10M 2207/1276** (2013.01 - CN EP KR US); **C10M 2207/1285** (2013.01 - CN EP KR US); **C10M 2207/2855** (2013.01 - CN EP KR US); **C10M 2207/301** (2013.01 - CN EP KR US); **C10M 2213/0626** (2013.01 - CN EP KR US); **C10M 2215/1026** (2013.01 - CN EP US); **C10M 2215/14** (2013.01 - US); **C10M 2215/26** (2013.01 - US); **C10M 2219/0445** (2013.01 - CN EP US); **C10N 2010/02** (2013.01 - CN EP US); **C10N 2010/04** (2013.01 - CN EP US); **C10N 2010/06** (2013.01 - CN EP US); **C10N 2030/02** (2013.01 - CN EP US); **C10N 2030/04** (2013.01 - CN EP US); **C10N 2030/06** (2013.01 - CN EP US); **C10N 2030/08** (2013.01 - CN EP US); **C10N 2030/76** (2020.05 - CN EP US); **C10N 2040/02** (2013.01 - CN EP US); **C10N 2040/14** (2013.01 - CN EP US); **C10N 2040/38** (2020.05 - CN EP US); **C10N 2050/10** (2013.01 - CN EP US); **C10N 2060/02** (2013.01 - CN EP US)

Citation (examination)

US 4075112 A 19780221 - VAN DOORNE GUY CAMILLE

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)

DE 102014018718 A1 20160623; BR 112017012528 A2 20180313; CN 107406791 A 20171128; CN 107406791 B 20210101; DK 3372660 T3 20211220; EP 3234079 A2 20171025; EP 3234079 B1 20210707; EP 3372659 A1 20180912; EP 3372659 B1 20210616; EP 3372660 A1 20180912; EP 3372660 B1 20210922; ES 2893843 T3 20220210; HU E057256 T2 20220528; JP 2017538838 A 20171228; JP 6448801 B2 20190109; KR 102019083 B1 20191104; KR 20170085089 A 20170721; MX 2017007674 A 20180123; MX 2021012796 A 20211112; PL 3372659 T3 20211025; PL 3372660 T3 20220131; SI 3372659 T1 20210831; US 2017327760 A1 20171116; WO 2016096074 A2 20160623; WO 2016096074 A3 20160901

DOCDB simple family (application)

DE 102014018718 A 20141217; BR 112017012528 A 20151119; CN 201580069045 A 20151119; DK 18000076 T 20151119; EP 15801328 A 20151119; EP 18000075 A 20151119; EP 18000076 A 20151119; EP 2015002322 W 20151119; ES 18000076 T 20151119; HU E18000075 A 20151119; JP 2017533019 A 20151119; KR 20177016305 A 20151119; MX 2017007674 A 20151119; MX 2021012796 A 20170612; PL 18000075 T 20151119; PL 18000076 T 20151119; SI 201531644 T 20151119; US 201515532350 A 20151119