

Title (en)
LUBRICATING OIL COMPOSITION, MECHANICAL DEVICE EQUIPPED WITH LUBRICATING OIL COMPOSITION, AND METHOD FOR PRODUCING LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG, MIT SCHMIERÖLZUSAMMENSETZUNG AUSGESTATTETE MECHANISCHE VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE, DISPOSITIF MÉCANIQUE ÉQUIPÉ D'UNE COMPOSITION D'HUILE LUBRIFIANTE ET PROCÉDÉ DE PRODUCTION D'UNE COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 3872153 A4 20220803 (EN)

Application
EP 19876683 A 20191016

Priority

- JP 2018199242 A 20181023
- JP 2019040538 W 20191016

Abstract (en)
[origin: EP3872153A1] A lubricating oil composition containing a lubricating base oil (A), a neutral phosphorus-based compound (B), an acidic phosphorus-based compound (C), a sulfur-based compound (D) and an organic molybdenum compound (E).

IPC 8 full level
C10M 169/04 (2006.01); **C10M 135/00** (2006.01); **C10M 135/18** (2006.01); **C10M 137/00** (2006.01); **C10M 141/10** (2006.01); **C10N 10/12** (2006.01); **C10N 20/00** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01); **C10N 40/14** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 135/36 (2013.01 - US); **C10M 137/04** (2013.01 - US); **C10M 139/00** (2013.01 - US); **C10M 141/10** (2013.01 - EP); **C10M 141/12** (2013.01 - US); **C10M 169/04** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP); **C10M 2219/068** (2013.01 - EP); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/041** (2013.01 - US); **C10M 2227/09** (2013.01 - US); **C10N 2020/02** (2013.01 - US); **C10N 2030/02** (2013.01 - EP); **C10N 2030/06** (2013.01 - EP); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/14** (2013.01 - EP); **C10N 2040/25** (2013.01 - EP)

C-Set (source: EP)

1. **C10M 2219/068** + **C10N 2010/12**
2. **C10M 2203/1025** + **C10N 2020/02**
3. **C10N 2040/25** + **C10N 2040/14**

Citation (search report)

- [X] EP 2412790 A1 20120201 - IDEMITSU KOSAN CO [JP]
- [X] CN 104893797 A 20150909 - UNIV GUANGXI
- [XI] US 2015072908 A1 20150312 - TSUJIMOTO TEPPEI [JP], et al
- [X] WO 2016181863 A1 20161117 - JX NIPPON OIL & ENERGY CORP [JP]
- [A] WO 2017171019 A1 20171005 - IDEMITSU KOSAN CO [JP] & EP 3438233 A1 20190206 - IDEMITSU KOSAN CO [JP]
- [AP] ANONYMOUS: "SAFETY DATA SHEET poly(propylene glycol)", 7 June 2021 (2021-06-07), XP055935661, Retrieved from the Internet <URL:https://www.sigmaaldrich.com/DE/en/sds/aldrich/202304> [retrieved on 20220627]
- See also references of WO 2020085153A1

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)
EP 3872153 A1 20210901; **EP 3872153 A4 20220803**; CN 112888770 A 20210601; CN 112888770 B 20231208; JP 2020066668 A 20200430; JP 7296711 B2 20230623; US 2021371766 A1 20211202; WO 2020085153 A1 20200430

DOCDB simple family (application)
EP 19876683 A 20191016; CN 201980069140 A 20191016; JP 2018199242 A 20181023; JP 2019040538 W 20191016; US 201917286644 A 20191016