

Title (en)

Internal-combustion engine lubrican composition

Title (de)

Schmiermittelzusammensetzung für einen Verbrennungsmotor

Title (fr)

Composition de lubrifiant de moteur à combustion interne

Publication

**EP 1985690 A3 20111228 (EN)**

Application

**EP 08155234 A 20080425**

Priority

JP 2007119824 A 20070427

Abstract (en)

[origin: EP1985690A2] [PROBLEMS TO BE SOLVED BY THE INVENTION] To provide a lubricating oil composition excellent in cleanability at high temperature around a piston in spite of its superlow-ash composition substantially free of ashes derived from a metal-base detergent, which cannot be realized by conventional techniques. [MEANS FOR SOLVING THE PROBLEMS] The lubricating oil composition for internal combustion engines, containing the GCD550°C + heavy fraction at 6% by volume or more, and having a sulfated ash content of 0.6% by mass or less and content of an additive containing a boron-base compound of 0.02% by mass or more as boron.

IPC 8 full level

**C10M 163/00** (2006.01); **C10M 169/04** (2006.01)

CPC (source: EP)

**C10M 163/00** (2013.01); **C10M 169/048** (2013.01); **C10M 2201/087** (2013.01); **C10M 2203/10** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2205/02** (2013.01); **C10M 2205/0206** (2013.01); **C10M 2207/2835** (2013.01); **C10M 2209/084** (2013.01); **C10M 2215/28** (2013.01); **C10M 2229/02** (2013.01); **C10N 2010/04** (2013.01); **C10N 2030/02** (2013.01); **C10N 2030/04** (2013.01); **C10N 2030/10** (2013.01); **C10N 2030/45** (2020.05); **C10N 2030/68** (2020.05)

Citation (search report)

- [X] WO 03064568 A2 20030807 - EXXONMOBIL RES & ENG CO [US]
- [X] EP 1734104 A1 20061220 - IDEMITSU KOSAN CO [JP], et al
- [A] JP 2003201496 A 20030718 - PETROLEUM ENERGY CENTER FOUND, et al
- [A] WO 0058423 A1 20001005 - MOBIL OIL CORP [US]
- [A] JP H10147790 A 19980602 - TONEN CORP, et al

Cited by

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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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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