

Title (en)
LUBRICANT COMPOSITION

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION LUBRIFIANTE

Publication
EP 3878931 A4 20220727 (EN)

Application
EP 19881130 A 20191106

Priority
• JP 2018209912 A 20181107
• JP 2019043464 W 20191106

Abstract (en)
[origin: EP3878931A1] [Problem to be solved] To provide a lubricating oil composition for a supercharged engine, which is capable of having a good balance of caulking resistance, LSPI suppression performance, and high-temperature cleaning properties.[Means to solve the problem] The lubricating oil composition for a supercharged engine according to the present invention is characterized by comprising:(A) a lubricating oil base oil;(B) a calcium-based cleaning agent, wherein the calcium amount is 1100 mass ppm or more to 1900 mass ppm or less on a total amount basis of the lubricant composition;(C) a magnesium-based cleaning agent; and(D) at least one viscosity index improver selected from a styrene-diene copolymer and an ethylene- α -olefin copolymer; and(E) a nitrogen-containing dispersing agent;and containing 700 mass ppm or more of nitrogen component, on a total amount basis of the lubricating oil composition.

IPC 8 full level
C10M 167/00 (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/04** (2006.01); **C10N 30/08** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)
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1. **C10M 2203/1025 + C10N 2020/02**
2. **C10M 2207/262 + C10N 2010/04**
3. **C10M 2205/04 + C10M 2205/06**
4. **C10M 2205/022 + C10M 2205/024**
5. **C10M 2223/045 + C10N 2010/04**
6. **C10M 2215/02 + C10N 2010/12**

Citation (search report)
[AD] KOSUKE FUJIMOTO ET AL: "Engine Oil Development for Preventing Pre-Ignition in Turbocharged Gasoline Engine", SAE INTERNATIONAL JOURNAL OF FUELS AND LUBRICANTS, vol. 7, no. 3, 15 April 2014 (2014-04-15), US, pages 869 - 874, XP055248491, ISSN: 1946-3960, DOI: 10.4271/2014-01-2785

Cited by
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EP 19881130 A 20191106; CN 201980069747 A 20191106; JP 2018209912 A 20181107; JP 2019043464 W 20191106