

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 3766948 A1 20210120 (EN)

Application
EP 19768345 A 20190314

Priority
• JP 2018046837 A 20180314
• JP 2019010695 W 20190314

Abstract (en)
Provided is a lubricating oil composition for use in internal-combustion engines, containing a base oil (A), an ashless dispersant (B) containing a non-boronated alkenylsuccinic acid imide (B1) and a boronated alkenylsuccinic acid imide (B2), a thiadiazole compound (C), and an aromatic carboxylate (D) having one or more hydroxy groups, wherein the content of the component (C) is 0.2 to 1.2% by mass based on the total amount of the lubricating oil composition, the content of a zinc dithiophosphate is, as calculated in terms of zinc atoms, less than 500 ppm by mass based on the total amount of the lubricating oil composition, and the content of a metal-based detergent is, as calculated in terms of metal atoms, less than 600 ppm by mass based on the total amount of the lubricating oil composition.

IPC 8 full level
C10M 129/74 (2006.01); **C10M 129/76** (2006.01); **C10M 133/16** (2006.01); **C10M 133/56** (2006.01); **C10M 135/36** (2006.01); **C10M 141/08** (2006.01); **C10N 30/06** (2006.01); **C10N 30/08** (2006.01); **C10N 30/12** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 101/00 (2013.01 - US); **C10M 129/76** (2013.01 - US); **C10M 133/16** (2013.01 - US); **C10M 135/36** (2013.01 - US); **C10M 137/10** (2013.01 - US); **C10M 141/10** (2013.01 - EP); **C10M 141/12** (2013.01 - EP); **C10M 169/04** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP); **C10M 2207/023** (2013.01 - US); **C10M 2207/026** (2013.01 - EP); **C10M 2207/027** (2013.01 - EP); **C10M 2207/284** (2013.01 - US); **C10M 2207/289** (2013.01 - EP); **C10M 2215/064** (2013.01 - EP); **C10M 2215/086** (2013.01 - US); **C10M 2215/28** (2013.01 - EP); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2010/06** (2013.01 - US); **C10N 2010/12** (2013.01 - US); **C10N 2020/02** (2013.01 - EP); **C10N 2020/04** (2013.01 - EP); **C10N 2030/02** (2013.01 - EP); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP); **C10N 2030/20** (2013.01 - EP); **C10N 2030/40** (2020.05 - EP); **C10N 2030/42** (2020.05 - EP); **C10N 2030/45** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2060/14** (2013.01 - EP)

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

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BA ME

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