

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 3696254 A1 20200819 (EN)

Application
EP 18814673 A 20181012

Priority
• JP 2017198410 A 20171012
• IB 2018001149 W 20181012

Abstract (en)
The present invention provides a lubricating oil composition which has a viscosity much lower than that of a conventional lubricating oil composition, and which is excellent in metal fatigue life, wear resistance and electrical insulating properties. The lubricating oil composition according to the present invention comprises: (A) a lubricating base oil; and (B) from 0.6 to 4.0% by weight, based on the total weight of the lubricating oil composition, of a polydiene having a number average molecular weight of from 500 to 3,000 and containing a functional group on at least one end thereof. The above described lubricating oil composition does not comprise a viscosity index improver, and has a kinematic viscosity at 100°C of not less than 1 and less than 5 mm²/s.

IPC 8 full level
C10M 133/52 (2006.01); **C10M 129/90** (2006.01); **C10M 129/93** (2006.01); **C10M 129/95** (2006.01); **C10M 133/54** (2006.01); **C10M 143/12** (2006.01); **C10M 143/14** (2006.01)

CPC (source: EP US)
C10M 129/90 (2013.01 - EP); **C10M 129/93** (2013.01 - EP); **C10M 129/95** (2013.01 - EP); **C10M 133/52** (2013.01 - EP); **C10M 133/54** (2013.01 - EP); **C10M 135/06** (2013.01 - US); **C10M 139/00** (2013.01 - US); **C10M 141/12** (2013.01 - US); **C10M 143/06** (2013.01 - US); **C10M 143/12** (2013.01 - EP); **C10M 143/14** (2013.01 - EP); **C10M 161/00** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP); **C10M 2205/06** (2013.01 - EP); **C10M 2205/08** (2013.01 - EP); **C10M 2207/129** (2013.01 - EP); **C10M 2207/34** (2013.01 - EP); **C10M 2209/084** (2013.01 - EP); **C10M 2215/064** (2013.01 - EP); **C10M 2215/24** (2013.01 - EP); **C10M 2215/26** (2013.01 - EP); **C10M 2215/28** (2013.01 - EP); **C10M 2219/024** (2013.01 - EP); **C10M 2219/042** (2013.01 - US); **C10M 2223/043** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP); **C10M 2223/049** (2013.01 - EP); **C10N 2010/04** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP); **C10N 2020/065** (2020.05 - US); **C10N 2020/067** (2020.05 - US); **C10N 2030/00** (2013.01 - EP); **C10N 2030/02** (2013.01 - EP); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/45** (2020.05 - US); **C10N 2030/70** (2020.05 - EP); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/044** (2020.05 - EP); **C10N 2060/14** (2013.01 - EP)

Citation (search report)
See references of WO 2019073294A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3696254 A1 20200819; JP 2019073570 A 20190516; SG 11202002403R A 20200429; US 2020231894 A1 20200723; WO 2019073294 A1 20190418

DOCDB simple family (application)
EP 18814673 A 20181012; IB 2018001149 W 20181012; JP 2017198410 A 20171012; SG 11202002403R A 20181012; US 201716754689 A 20171012