

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 4317375 A1 20240207 (EN)

Application
EP 22779712 A 20220225

Priority
• JP 2021058399 A 20210330
• JP 2022007934 W 20220225

Abstract (en)
Provided is a lubricating oil composition which has an excellent effect of reducing the friction coefficient even when a member having a low surface roughness in a low oil temperature region is lubricated, by means of a lubricating oil composition which contains a mineral base oil (A), a polymer (B) having a weight average molecular weight (Mw) of 100 to 15,000, and a molybdenum-based friction modifier (M) and has a kinematic viscosity at 40°C of 35.0 mm²/s or less.

IPC 8 full level
C10M 169/04 (2006.01); **C10M 133/04** (2006.01); **C10M 135/18** (2006.01); **C10N 10/12** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 101/00 (2013.01 - US); **C10M 137/10** (2013.01 - US); **C10M 139/00** (2013.01 - US); **C10M 141/12** (2013.01 - US); **C10M 143/08** (2013.01 - US); **C10M 161/00** (2013.01 - EP US); **C10M 169/044** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP); **C10M 2205/02** (2013.01 - EP); **C10M 2205/026** (2013.01 - EP); **C10M 2205/028** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP US); **C10M 2227/066** (2013.01 - EP); **C10M 2227/09** (2013.01 - US); **C10M 2290/02** (2013.01 - US); **C10N 2010/12** (2013.01 - EP US); **C10N 2020/02** (2013.01 - US); **C10N 2020/04** (2013.01 - EP US); **C10N 2020/071** (2020.05 - US); **C10N 2030/02** (2013.01 - EP); **C10N 2030/06** (2013.01 - EP); **C10N 2030/10** (2013.01 - US); **C10N 2040/25** (2013.01 - EP); **C10N 2040/255** (2020.05 - US)

C-Set (source: EP)
C10M 2219/068 + C10N 2010/12

Citation (search report)
See references of WO 202209487A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4317375 A1 20240207; CN 117098831 A 20231121; JP WO2022209487 A1 20221006; US 2024199975 A1 20240620; WO 2022209487 A1 20221006

DOCDB simple family (application)
EP 22779712 A 20220225; CN 202280025477 A 20220225; JP 2022007934 W 20220225; JP 2022563335 A 20220225; US 202218552511 A 20220225