

Title (en)
Lubricating oil composition

Title (de)
Schmierölzusammensetzung

Title (fr)
Composition d'huile lubrifiante

Publication
EP 0822246 B1 20001004 (EN)

Application
EP 97305728 A 19970730

Priority
JP 22046296 A 19960802

Abstract (en)
[origin: EP0822246A2] The present invention is a lubricating oil, especially a lubricating oil for internal combustion engines, which has friction-reducing properties even under sliding conditions varying substantially in internal combustion engines and the like and which can retain friction-reducing properties over an extend even in the presence of nitrogen oxide gas. The lubricating oil composition contains a lubricating base oil, and an organomolybdenum compound, an organomoно-sulfide compound, and an organopolysulfide compound.

IPC 1-7
C10M 135/00; C10M 141/10

IPC 8 full level
C10M 141/12 (2006.01); **C10M 135/00** (2006.01); **C10M 141/10** (2006.01); **C10M 163/00** (2006.01); **C10N 10/12** (2006.01); **C10N 30/00** (2006.01);
C10N 30/06 (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)
C10M 135/00 (2013.01); **C10M 135/10** (2013.01); **C10M 135/14** (2013.01); **C10M 135/18** (2013.01); **C10M 135/22** (2013.01);
C10M 135/26 (2013.01); **C10M 135/28** (2013.01); **C10M 135/30** (2013.01); **C10M 135/36** (2013.01); **C10M 137/10** (2013.01);
C10M 141/10 (2013.01); **C10M 159/22** (2013.01); **C10M 159/24** (2013.01); **C10M 163/00** (2013.01); **C10M 2203/06** (2013.01);
C10M 2205/00 (2013.01); **C10M 2205/026** (2013.01); **C10M 2205/04** (2013.01); **C10M 2205/06** (2013.01); **C10M 2205/16** (2013.01);
C10M 2207/024 (2013.01); **C10M 2207/026** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/146** (2013.01);
C10M 2207/262 (2013.01); **C10M 2207/289** (2013.01); **C10M 2209/084** (2013.01); **C10M 2209/106** (2013.01); **C10M 2215/04** (2013.01);
C10M 2215/064 (2013.01); **C10M 2215/065** (2013.01); **C10M 2215/22** (2013.01); **C10M 2215/221** (2013.01); **C10M 2215/225** (2013.01);
C10M 2215/226 (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/30** (2013.01); **C10M 2219/00** (2013.01); **C10M 2219/044** (2013.01);
C10M 2219/046 (2013.01); **C10M 2219/062** (2013.01); **C10M 2219/066** (2013.01); **C10M 2219/068** (2013.01); **C10M 2219/082** (2013.01);
C10M 2219/083 (2013.01); **C10M 2219/084** (2013.01); **C10M 2219/085** (2013.01); **C10M 2219/086** (2013.01); **C10M 2219/087** (2013.01);
C10M 2219/088 (2013.01); **C10M 2219/089** (2013.01); **C10M 2219/10** (2013.01); **C10M 2219/102** (2013.01); **C10M 2219/104** (2013.01);
C10M 2219/106 (2013.01); **C10M 2219/108** (2013.01); **C10M 2223/045** (2013.01); **C10M 2229/041** (2013.01); **C10N 2010/04** (2013.01);
C10N 2010/12 (2013.01); **C10N 2060/04** (2013.01)

Cited by
EP1602709A4; CN109652171A; CN114686189A; CN104870623A; US8592356B2; WO2004069966A1; US10752858B2; US10604717B2;
EP2920283B1

Designated contracting state (EPC)
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0822246 A2 19980204; EP 0822246 A3 19980415; EP 0822246 B1 20001004; AU 3242197 A 19980212; AU 718688 B2 20000420;
CA 2210974 A1 19980202; CA 2210974 C 20040914; DE 69703226 D1 20001109; DE 69703226 T2 20010315; ES 2153161 T3 20010216;
JP 3497952 B2 20040216; JP H1046177 A 19980217

DOCDB simple family (application)
EP 97305728 A 19970730; AU 3242197 A 19970731; CA 2210974 A 19970730; DE 69703226 T 19970730; ES 97305728 T 19970730;
JP 22046296 A 19960802