

Title (en)  
LUBRICATING COMPOSITIONS

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITIONS LUBRIFIANTES

Publication  
**EP 1115815 A1 20010718 (EN)**

Application  
**EP 98917105 A 19980323**

Priority  
• EP 9801899 W 19980323  
• GB 9706468 A 19970327

Abstract (en)  
[origin: WO9844079A1] A lubricating oil composition comprises a major amount of an oil of lubricating viscosity and a minor amount of an additive combination comprising an ashless dispersant having a polymeric hydrocarbon backbone of <math>M</math> between 1000 and 4000 and a dialkyl phosphorodithioic acid metal salt, in which of the alkyl groups, at least 70 mole % are secondary having 6 carbon atoms, no more than 15 mole % are primary, and no more than 15 mole % are secondary having less than 6 carbon atoms.

IPC 1-7  
**C10M 141/10**

IPC 8 full level  
**C10M 141/10** (2006.01); **C10M 163/00** (2006.01)

CPC (source: EP US)  
**C10M 129/10** (2013.01 - EP); **C10M 129/54** (2013.01 - EP); **C10M 133/12** (2013.01 - EP); **C10M 133/56** (2013.01 - EP); **C10M 135/10** (2013.01 - EP); **C10M 135/30** (2013.01 - EP); **C10M 137/10** (2013.01 - EP); **C10M 141/10** (2013.01 - EP); **C10M 159/18** (2013.01 - EP); **C10M 159/22** (2013.01 - EP); **C10M 159/24** (2013.01 - EP); **C10M 163/00** (2013.01 - EP US); **C10M 2207/023** (2013.01 - EP); **C10M 2207/026** (2013.01 - EP); **C10M 2207/027** (2013.01 - EP); **C10M 2207/028** (2013.01 - EP); **C10M 2207/09** (2013.01 - EP); **C10M 2207/144** (2013.01 - EP); **C10M 2207/146** (2013.01 - EP); **C10M 2207/262** (2013.01 - EP); **C10M 2207/289** (2013.01 - EP); **C10M 2215/04** (2013.01 - EP); **C10M 2215/042** (2013.01 - EP); **C10M 2215/06** (2013.01 - EP); **C10M 2215/064** (2013.01 - EP); **C10M 2215/065** (2013.01 - EP); **C10M 2215/066** (2013.01 - EP); **C10M 2215/067** (2013.01 - EP); **C10M 2215/068** (2013.01 - EP); **C10M 2215/086** (2013.01 - EP); **C10M 2215/26** (2013.01 - EP); **C10M 2215/28** (2013.01 - EP); **C10M 2217/046** (2013.01 - EP); **C10M 2217/06** (2013.01 - EP); **C10M 2219/044** (2013.01 - EP); **C10M 2219/046** (2013.01 - EP); **C10M 2219/087** (2013.01 - EP); **C10M 2219/088** (2013.01 - EP); **C10M 2219/089** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP); **C10M 2227/061** (2013.01 - EP); **C10M 2227/09** (2013.01 - EP); **C10N 2010/02** (2013.01 - EP); **C10N 2010/04** (2013.01 - EP); **C10N 2010/06** (2013.01 - EP); **C10N 2010/08** (2013.01 - EP); **C10N 2010/10** (2013.01 - EP); **C10N 2010/12** (2013.01 - EP); **C10N 2010/14** (2013.01 - EP US); **C10N 2010/16** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP); **C10N 2040/251** (2020.05 - EP); **C10N 2040/252** (2020.05 - EP); **C10N 2040/253** (2020.05 - EP); **C10N 2040/255** (2020.05 - EP); **C10N 2040/28** (2013.01 - EP)

C-Set (source: EP)  
**C10M 2215/28** + **C10M 2215/28**

Citation (search report)  
See references of WO 9844079A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9844079 A1 19981008**; AR 012201 A1 20000927; AU 7042898 A 19981022; CA 2288812 A1 19981008; EP 1115815 A1 20010718; GB 9706468 D0 19970514

DOCDB simple family (application)  
**EP 9801899 W 19980323**; AR P980101426 A 19980327; AU 7042898 A 19980323; CA 2288812 A 19980323; EP 98917105 A 19980323; GB 9706468 A 19970327