

Title (en)  
LUBRICANT COMPOSITION CONTAINING ANTIWEAR ADDITIVE COMBINATION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNGEN ENTHALTEND EINE KOMBINATION VON VERSCHLEISSSCHUTZ-ADDITIVEN

Title (fr)  
COMPOSITION LUBRIFIANTE CONTENANT UNE COMBINAISON D'ADDITIFS ANTI-USURE

Publication  
**EP 0719314 B1 19990107 (EN)**

Application  
**EP 94926291 A 19940909**

Priority  
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• GB 9318895 A 19930913  
• GB 9318896 A 19930913

Abstract (en)  
[origin: WO9507964A1] A lubricant composition is described, particularly for engine oils, comprising a base oil of viscosity from 3 to 26 cSt (mm<sup>2</sup>/s) at 100 DEG C and an antiwear additive combination comprising (a) an oil soluble or oil dispersible phosphorus-free organo-molybdenum compound, (b) an ashless, sulphur-containing organo-phosphorus compound and optionally (c) a zinc thiophosphate compound selected from one or more of zinc dialkyldithiophosphate, zinc diaryldithiophosphate, zinc alkylaryldithiophosphate and zinc arylalkyldithiophosphate. The molybdenum compound may be a carbamate, e.g. molybdenum dithiocarbamate (MoDTC) but is preferably nitrogen-free, e.g. a carboxylate.

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IPC 8 full level  
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**WO 9507964 A1 19950323**; AT E175438 T1 19990115; CA 2171538 A1 19950323; CA 2171538 C 20041026; DE 69415817 D1 19990218; DE 69415817 T2 19990610; EP 0719314 A1 19960703; EP 0719314 B1 19990107; ES 2128581 T3 19990516; HK 1014024 A1 19990917; JP H09506910 A 19970708; KR 100237074 B1 20000115; KR 960705009 A 19961009; MY 116337 A 20040131; SG 47398 A1 19980417

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