

Title (en)
LUBRICATING OIL COMPOSITIONS COMPRISING A TRINUCLEAR COMPOUND ANTIOXIDANT

Title (de)
SCHMIERMITTELZUSAMMENSETZUNGEN ENTHALTEND EINE MOLYBDENUM TRINULEARVERBINDUNG ALS ANTIOXYDATIONSMITTEL

Title (fr)
COMPOSITIONS D'HUILE LUBRIFIANTE COMPORTANT UN ANTIOXYDANT CONTENANT UN COMPOSE TRINUCLEAIRE

Publication
EP 1265975 A1 20021218 (EN)

Application
EP 01920801 A 20010208

Priority

- GB 0003383 A 20000214
- US 0109731 W 20010208

Abstract (en)
[origin: GB2359091A] This invention relates to a lubricating oil composition comprising a Group I basestock and an antioxidant comprising an oil soluble trinuclear organomolybdenum compound of the generic formula: $\text{Mo}(\text{S}(\text{SB})_3\text{S}(\text{SB})_x\text{Q})_3$ (I) wherein x is from 4 to 10 and Q is a core group, which may be a ligand, wherein the basestock has a kinematic viscosity at 100°C (KV<SB>100</SB>) from about 2 cSt to 50 cSt ($2 \times 10^{\text{SP}-6}$ to $50 \times 10^{\text{SP}-6}$ m²/sec), a saturates content of <90% w/w, an aromatics content of > 10% w/w and a sulphur content of > 0.03% w/w. The composition has an improved stability when compared with either a Group II, III or IV basestock containing the same antioxidant or a Group I basestock containing a dinuclear molybdenum dithiocarbamate.

IPC 1-7
C10M 159/18; **C10M 169/04**; **C07F 11/00**

IPC 8 full level
C07F 11/00 (2006.01); **C10M 101/02** (2006.01); **C10M 123/04** (2006.01); **C10M 135/18** (2006.01); **C10M 159/18** (2006.01); **C10M 169/04** (2006.01); **C10N 10/12** (2006.01); **C10N 20/02** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)
C07F 11/005 (2013.01); **C10M 101/02** (2013.01); **C10M 123/04** (2013.01); **C10M 159/18** (2013.01); **C10M 169/042** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2203/1045** (2013.01); **C10M 2203/1065** (2013.01); **C10M 2203/1085** (2013.01); **C10M 2207/09** (2013.01); **C10M 2215/1026** (2013.01); **C10M 2217/0456** (2013.01); **C10M 2227/09** (2013.01); **C10N 2020/00** (2013.01); **C10N 2020/019** (2020.05); **C10N 2030/08** (2013.01); **C10N 2030/68** (2020.05); **C10N 2040/02** (2013.01)

Citation (search report)
See references of WO 0160956A1

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

DOCDB simple family (publication)
GB 0003383 D0 20000405; **GB 2359091 A 20010815**; AR 027301 A1 20030319; AU 4782001 A 20010827; BR 0108333 A 20030311; CA 2398072 A1 20010823; EP 1265975 A1 20021218; JP 2003523454 A 20030805; WO 0160956 A1 20010823

DOCDB simple family (application)
GB 0003383 A 20000214; AR P010100358 A 20010126; AU 4782001 A 20010208; BR 0108333 A 20010208; CA 2398072 A 20010208; EP 01920801 A 20010208; JP 2001560328 A 20010208; US 0109731 W 20010208