

Title (en)
Lubricating composition for internal combustion engine.

Title (de)
Schmiermittelzusammensetzung für Verbrennungsmotoren.

Title (fr)
Composition lubrifiante pour moteur à combustion interne.

Publication
EP 0418860 A1 19910327 (EN)

Application
EP 90118026 A 19900919

Priority
JP 24392389 A 19890920

Abstract (en)
The present invention provides a lubricating composition for internal combustion engines comprising a lubricating base oil in an amount of about 100 parts by weight, and (B) a molybdenum dicarbamate in a amount within the range of from about 0.1 to about 3.0 parts by weight, said lubricating base oil consisting substantially of a hydro- cracked lubricating base oil in an amount of more than 70 % by weight (on the basis of the amount of the lubricating base oil) wherein the hydro-cracked lubricating base oil is manufactured by hydro-cracking petroleum fraction and has a kinematic viscosity in the range of from about 2 to about 10 cSt at 100 DEG C., said hydro-cracked lubricating base oil containing aromatic hydrocarbons in an amount within the range of from about 3 to about 15 % by weight, sulfur in an amount of less than 50 ppm by weight, and nitrogen in an amount of less than 5 ppm by weight on the basis of the amount of the hydro-cracked lubricating base oil.

IPC 1-7
C10M 169/04

IPC 8 full level
C10M 169/04 (2006.01); **C10N 10/12** (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP)
C10M 101/02 (2013.01); **C10M 135/18** (2013.01); **C10M 169/04** (2013.01); **C10M 2203/10** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2203/104** (2013.01); **C10M 2203/1045** (2013.01); **C10M 2203/106** (2013.01); **C10M 2203/1065** (2013.01); **C10M 2203/1085** (2013.01); **C10M 2209/084** (2013.01); **C10M 2219/066** (2013.01); **C10M 2219/068** (2013.01); **C10N 2010/12** (2013.01); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/28** (2013.01)

Citation (search report)
• [A] FR 2229760 A1 19741213 - TOA NENRYO KOGYO KK [JP], et al
• [A] EP 0281992 A2 19880914 - IDEMITSU KOSAN CO [JP]
• [A] EP 0305538 A1 19890308 - IDEMITSU KOSAN CO [JP]
• [AP] EP 0341574 A1 19891115 - IDEMITSU KOSAN CO [JP]
• [A] EP 0291006 A2 19881117 - IDEMITSU KOSAN CO [JP]
• [A] GB 1572794 A 19800806 - SHELL INT RESEARCH

Cited by
US5665684A; EP0725130A3; US5688748A; EP0707623A4

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0418860 A1 19910327; **EP 0418860 B1 19930310**; DE 69001057 D1 19930415; DE 69001057 T2 19930617; JP 2602102 B2 19970423; JP H03106995 A 19910507

DOCDB simple family (application)
EP 90118026 A 19900919; DE 69001057 T 19900919; JP 24392389 A 19890920