

Title (en)

Use of lubricant composition containing Mu, Ti, Co compounds for viscosity of diesel engines.

Title (de)

Verwendung von Schmiermitteln, die Mu, Ti, Co, Verbindungen enthalten, zur Viskositätsregelung von Diesel Motoren.

Title (fr)

Utilisation de composition lubrifiante contenant des composés des métaux Mu, Ti, Co pour la regulation de la viscosité des moteurs diesel.

Publication

**EP 0290457 A1 19881117 (EN)**

Application

**EP 87900961 A 19870112**

Priority

US 82086086 A 19860121

Abstract (en)

[origin: WO8704454A2] Lubricants containing a minor amount of an oil-soluble or oil-dispersible metallic compound which retards viscosity rate increase build-up in a high soot environment.

Abstract (fr)

Lubrifiants contenant une petite quantité d'un composé métallique soluble dans l'huile ou pouvant se disperser dans l'huile et qui retarde la vitesse d'accroissement de la viscosité dans un environnement à teneur élevée en suie.

IPC 1-7

**C10M 129/06**; C10M 129/26; C10M 135/10; C10M 137/12; C10M 129/58; C10M 141/00; C10M 163/00

IPC 8 full level

**C10M 129/06** (2006.01); **C10M 129/10** (2006.01); **C10M 129/26** (2006.01); **C10M 129/40** (2006.01); **C10M 129/54** (2006.01); **C10M 129/58** (2006.01); **C10M 135/10** (2006.01); **C10M 135/28** (2006.01); **C10M 137/12** (2006.01); **C10M 141/00** (2006.01); **C10M 163/00** (2006.01); C10N 10/02 (2006.01); C10N 10/04 (2006.01); C10N 10/08 (2006.01); C10N 10/10 (2006.01); C10N 10/12 (2006.01); C10N 10/14 (2006.01); C10N 10/16 (2006.01); C10N 30/00 (2006.01); C10N 40/25 (2006.01); F02B 3/06 (2006.01)

CPC (source: EP US)

**C10M 129/10** (2013.01 - EP); **C10M 129/26** (2013.01 - EP); **C10M 135/10** (2013.01 - EP); **C10M 137/12** (2013.01 - EP); **C10M 141/00** (2013.01 - EP US); **C10M 163/00** (2013.01 - EP); C10M 2207/027 (2013.01 - EP); C10M 2207/125 (2013.01 - EP); C10M 2207/144 (2013.01 - EP); C10M 2207/146 (2013.01 - EP); C10M 2207/16 (2013.01 - EP); C10M 2215/04 (2013.01 - EP); C10M 2215/26 (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 2223/045 (2013.01 - EP); C10M 2223/065 (2013.01 - EP); C10N 2010/00 (2013.01 - EP); C10N 2010/02 (2013.01 - EP); C10N 2010/04 (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 2040/252 (2020.05 - EP); C10N 2040/253 (2020.05 - EP); F02B 3/06 (2013.01 - EP)

Cited by

EP4353805A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 8704454 A2 19870730**; **WO 8704454 A3 19870911**; AU 604678 B2 19910103; AU 6941087 A 19870814; BR 8707574 A 19890314; CA 1290314 C 19911008; CN 1013685 B 19910828; CN 87100331 A 19870916; DE 3788345 D1 19940113; DE 3788345 T2 19940317; DK 489487 A 19870918; DK 489487 D0 19870918; EP 0290457 A1 19881117; EP 0290457 B1 19931201; ES 2003209 A6 19881016; FI 883438 A0 19880720; FI 883438 A 19880720; HK 96694 A 19940923; IN 167977 B 19910119; JP H01501396 A 19890518; MX 169569 B 19930713; NO 174347 B 19940110; NO 174347 C 19940420; NO 873690 D0 19870903; NO 873690 L 19870903; ZA 87280 B 19870930

DOCDB simple family (application)

**US 8700070 W 19870112**; AU 6941087 A 19870112; BR 8707574 A 19870112; CA 526872 A 19870107; CN 87100331 A 19870120; DE 3788345 T 19870112; DK 489487 A 19870918; EP 87900961 A 19870112; ES 8700090 A 19870116; FI 883438 A 19880720; HK 96694 A 19940915; IN 22DE1987 A 19870113; JP 50086587 A 19870112; MX 497487 A 19870120; NO 873690 A 19870903; ZA 87280 A 19870115