

Title (en)
Lubricating oil composition.

Title (de)
Schmierölszusammensetzung.

Title (fr)
Composition d'huile lubrifiante.

Publication
EP 0335701 A2 19891004 (EN)

Application
EP 89303122 A 19890330

Priority
• US 17576188 A 19880331
• US 28126288 A 19881207
• US 30477289 A 19890131

Abstract (en)
Lubricant compositions comprising an oil of lubricating viscosity and a cosulfurized blend of (a) a carboxylic acid ester material and (b) an ester, amide, ester-amide or fatty amine derivative which contains at least one polar substituent group such as amino and hydroxyl.

IPC 1-7
C10M 135/00; **C10M 141/10**; **C10M 163/00**

IPC 8 full level
C10M 135/00 (2006.01); **C10M 135/02** (2006.01); **C10M 141/10** (2006.01); **C10M 159/12** (2006.01); **C10M 163/00** (2006.01); **C10N 30/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)
C10M 129/68 (2013.01); **C10M 133/16** (2013.01); **C10M 135/02** (2013.01); **C10M 135/06** (2013.01); **C10M 137/00** (2013.01); **C10M 137/10** (2013.01); **C10M 141/10** (2013.01); **C10M 159/24** (2013.01); **C10M 163/00** (2013.01); **C10M 2207/28** (2013.01); **C10M 2207/289** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/08** (2013.01); **C10M 2215/082** (2013.01); **C10M 2215/086** (2013.01); **C10M 2215/12** (2013.01); **C10M 2215/122** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/28** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10M 2219/02** (2013.01); **C10M 2219/024** (2013.01); **C10M 2219/044** (2013.01); **C10M 2219/046** (2013.01); **C10M 2223/00** (2013.01); **C10M 2223/045** (2013.01); **C10M 2223/06** (2013.01); **C10M 2223/061** (2013.01); **C10M 2223/065** (2013.01); **C10M 2227/061** (2013.01); **C10N 2010/04** (2013.01); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/28** (2013.01); **C10N 2070/02** (2020.05)

Cited by
EP0814148A3; US5282990A; EP0608018A1; US8703680B2; US7550415B2; US7741258B2; WO9202602A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0335701 A2 19891004; **EP 0335701 A3 19891213**; CA 1325420 C 19931221; JP 2749623 B2 19980513; JP H01304185 A 19891207

DOCDB simple family (application)
EP 89303122 A 19890330; CA 593343 A 19890310; JP 7685689 A 19890330