

Title (en)

C14 CARBOXYLATE POLYMER AND VISCOSITY INDEX IMPROVER CONTAINING OLEAGINOUS COMPOSITIONS

Publication

EP 0385728 B1 19930929 (EN)

Application

EP 90302083 A 19900227

Priority

US 31662489 A 19890228

Abstract (en)

[origin: EP0385728A2] A lubricating oil composition exhibiting improved low temperature flow properties and viscometric properties comprising lubricating oil and (i) an amount effective to improve the low temperature flow properties of said lubricating oil composition of additive consisting essentially of at least one low molecular weight polymer or interpolymer of unsaturated carboxy ester represented by the formula <CHEM> wherein R min is selected from the group consisting of hydrogen and COOR, and R is a C14 alkyl group; and (ii) an amount effective to improve the viscosity index of said lubricating oil composition of additive comprising hydrocarbon polymeric viscosity index improver. b

IPC 1-7

C10M 157/00; C10N 30/02

IPC 8 full level

C08L 23/02 (2006.01); **C08L 29/00** (2006.01); **C08L 33/04** (2006.01); **C08L 33/06** (2006.01); **C10M 157/00** (2006.01); **C10N 20/04** (2006.01); **C10N 30/02** (2006.01); **C10N 60/02** (2006.01)

CPC (source: EP)

C10M 143/00 (2013.01); **C10M 143/02** (2013.01); **C10M 143/10** (2013.01); **C10M 143/12** (2013.01); **C10M 143/14** (2013.01); **C10M 143/16** (2013.01); **C10M 145/12** (2013.01); **C10M 145/14** (2013.01); **C10M 145/16** (2013.01); **C10M 157/00** (2013.01); **C10M 2205/00** (2013.01); **C10M 2205/02** (2013.01); **C10M 2205/022** (2013.01); **C10M 2205/024** (2013.01); **C10M 2205/026** (2013.01); **C10M 2205/028** (2013.01); **C10M 2205/04** (2013.01); **C10M 2205/06** (2013.01); **C10M 2205/08** (2013.01); **C10M 2205/10** (2013.01); **C10M 2205/14** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/123** (2013.01); **C10M 2207/129** (2013.01); **C10M 2207/16** (2013.01); **C10M 2207/22** (2013.01); **C10M 2207/262** (2013.01); **C10M 2209/082** (2013.01); **C10M 2209/084** (2013.01); **C10M 2209/086** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/26** (2013.01); **C10M 2217/024** (2013.01); **C10M 2217/028** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10M 2219/046** (2013.01); **C10M 2219/087** (2013.01); **C10M 2219/088** (2013.01); **C10M 2219/089** (2013.01); **C10M 2223/12** (2013.01); **C10M 2225/04** (2013.01); **C10M 2225/041** (2013.01); **C10M 2227/061** (2013.01); **C10M 2227/09** (2013.01); **C10M 2229/041** (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); **C10N 2070/02** (2020.05)

Cited by

US5939365A; CN104736685A; EP0561335A1; WO9828386A1; WO9308243A1; WO9962973A1; WO2014031508A1; WO9417159A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0385728 A2 19900905; EP 0385728 A3 19910116; EP 0385728 B1 19930929; BR 9000913 A 19911015; CA 2008938 A1 19900831; CA 2008938 C 19981222; DE 69003562 D1 19931104; DE 69003562 T2 19940203; JP 3016810 B2 20000306; JP H0328298 A 19910206; MX 172801 B 19940113; MX 19377 A 19930601

DOCDB simple family (application)

EP 90302083 A 19900227; BR 9000913 A 19900223; CA 2008938 A 19900130; DE 69003562 T 19900227; JP 4467090 A 19900227; MX 1937790 A 19900202