

Title (en)
Oil-soluble reaction products of polyenes

Title (de)
Öllösliche Reaktionsprodukte von Polyenen

Title (fr)
Produits de réaction de polyènes solubles dans l'huile

Publication
EP 0698656 A1 19960228 (EN)

Application
EP 95202242 A 19950818

Priority
• EP 95202242 A 19950818
• EP 94306237 A 19940824

Abstract (en)
The invention provides reaction products of: (A) an acylating reagent, with (D) a polyalkenyl derivative of an ethylenically unsaturated carboxylic reagent (C), and (E) a polyamine containing at least two -NH₂ and/or -NH groups, or with (F) the pre-formed product of reagents (D) and (E), wherein the acylating reagent (A) is the reaction product of (B) a C₄-C₂₀ polyene or oligomer prepared therefrom, and (C) an ethylenically unsaturated carboxylic reagent; lubricating oil compositions, fuel compositions and additive concentrates containing them; and use of the reaction products as dispersant additives.

IPC 1-7
C10M 133/52; **C10L 1/22**

IPC 8 full level
C10L 1/14 (2006.01); **C10L 1/22** (2006.01); **C10L 1/238** (2006.01); **C10L 1/2383** (2006.01); **C10L 1/2387** (2006.01); **C10M 133/52** (2006.01); **C10L 1/16** (2006.01); **C10L 1/18** (2006.01); **C10L 1/28** (2006.01); **C10L 1/30** (2006.01)

CPC (source: EP)
C10L 1/143 (2013.01); **C10L 1/221** (2013.01); **C10L 1/238** (2013.01); **C10L 1/2383** (2013.01); **C10L 1/2387** (2013.01); **C10M 133/52** (2013.01); **C10L 1/1608** (2013.01); **C10L 1/1616** (2013.01); **C10L 1/1641** (2013.01); **C10L 1/1811** (2013.01); **C10L 1/1824** (2013.01); **C10L 1/1832** (2013.01); **C10L 1/1852** (2013.01); **C10L 1/1857** (2013.01); **C10L 1/188** (2013.01); **C10L 1/191** (2013.01); **C10L 1/198** (2013.01); **C10L 1/1985** (2013.01); **C10L 1/223** (2013.01); **C10L 1/226** (2013.01); **C10L 1/231** (2013.01); **C10L 1/2364** (2013.01); **C10L 1/2366** (2013.01); **C10L 1/2381** (2013.01); **C10L 1/285** (2013.01); **C10L 1/305** (2013.01); **C10L 1/306** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/26** (2013.01); **C10M 2217/046** (2013.01); **C10M 2217/06** (2013.01); **C10M 2223/045** (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)

Citation (search report)
• [A] EP 0556915 A2 19930825 - SHELL INT RESEARCH [NL]
• [A] EP 0331397 A2 19890906 - EXXON CHEMICAL PATENTS INC [US]
• [DPA] EP 0613887 A1 19940907 - SHELL INT RESEARCH [NL]
• [A] US 4670173 A 19870602 - HAYASHI KATSUMI [US], et al

Cited by
EP0859040A1; EP0884375A1; US5851966A

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

DOCDB simple family (publication)
EP 0698656 A1 19960228; **EP 0698656 B1 20001018**

DOCDB simple family (application)
EP 95202242 A 19950818