

Title (en)
LUBRICATING OILS CONTAINING ALKALI METAL ADDITIVES

Title (de)
ALKALIMETALLZUSÄTZE ENTHALTENDE SCHMIERÖLE

Title (fr)
HUILES LUBRIFIANTES CONTENANT DES ADDITIFS A BASE DE METAUX ALCALINS

Publication
EP 0765373 A1 19970402 (EN)

Application
EP 95923315 A 19950612

Priority
• EP 9502271 W 19950612
• GB 9412109 A 19940616

Abstract (en)
[origin: WO9534619A1] This invention relates to lubricating oils containing certain ashless dispersants comprising an oil soluble polymeric hydrocarbon backbone having functional groups in which the hydrocarbon backbone is derived from an ethylene alpha-olefin (EAO) copolymer or alpha-olefin homo- or copolymer having > 30 % of terminal vinylidene unsaturation and an M_n of from 500 to 7000, in combination with overbased alkali metal additives. It particularly concerns crankcase lubricants having excellent properties of sludge and varnish control, giving good engine cleanliness and yet resistant to oxidation and/or with reduced tendency to thickening due to interactions in the package.

IPC 1-7
C10M 163/00

IPC 8 full level
C10M 165/00 (2006.01); **C10M 163/00** (2006.01); **F02B 77/04** (2006.01)

CPC (source: EP)
C10M 129/95 (2013.01); **C10M 133/52** (2013.01); **C10M 159/16** (2013.01); **C10M 159/20** (2013.01); **C10M 159/22** (2013.01); **C10M 159/24** (2013.01); **C10M 163/00** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2207/16** (2013.01); **C10M 2207/26** (2013.01); **C10M 2207/262** (2013.01); **C10M 2207/34** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/24** (2013.01); **C10M 2215/26** (2013.01); **C10M 2217/043** (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); **C10N 2010/02** (2013.01); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/252** (2020.05); **C10N 2040/253** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/28** (2013.01); **F02B 77/04** (2013.01)

Citation (search report)
See references of WO 9534619A1

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

DOCDB simple family (publication)
WO 9534619 A1 19951221; AU 2791495 A 19960105; AU 692888 B2 19980618; CA 2193125 A1 19951221; EP 0765373 A1 19970402; GB 9412109 D0 19940803; JP H10501836 A 19980217

DOCDB simple family (application)
EP 9502271 W 19950612; AU 2791495 A 19950612; CA 2193125 A 19950612; EP 95923315 A 19950612; GB 9412109 A 19940616; JP 50162196 A 19950612