

Title (en)  
LUBRICATING OIL ADDITIVES

Publication  
**EP 0140274 B1 19901205 (DE)**

Application  
**EP 84112445 A 19841016**

Priority  
DE 3339103 A 19831028

Abstract (en)  
[origin: US4968444A] Additives for n-paraffin-containing lubricating oils, which additives are mixtures of acrylates containing (I) from 10 to 99 weight percent of polymers P1 composed of (a) esters of methacrylic acid and/or acrylic acid and linear C6 to C15 alcohols; (b) esters of methacrylic acid and/or acrylic acid and linear C16 to C30 alcohols; (c) esters of methacrylic acid and/or acrylic acid and branched C8 to C40 alcohols; (d) esters of methacrylic acid and/or acrylic acid and C1 to C5 alcohols; and (e) monomers having functional groups, the amount of (b) being at the most 5 mol percent; and (II) from 90 to 1 weight percent of polymers P2 composed of (a') esters of methacrylic acid and/or acrylic acid and linear C6 to C15 alcohols; (b') esters of methacrylic acid and/or acrylic acid and linear C16 to C30 alcohols; (c') esters of methacrylic acid and/or acrylic acid and branched C8 to C40 alcohols; (d') esters of methacrylic acid and/or acrylic acid and C1 to C5 alcohols; and (e') monomers having functional groups, the amount of (b') being between 10 and 70 mol percent; and a solvent therefor.

IPC 1-7  
**C08F 220/18; C10M 145/14; C10M 157/00; C10N 30/00**

IPC 8 full level  
**C08F 220/18** (2006.01); **C10M 145/14** (2006.01); **C10M 157/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/04** (2006.01); **C10N 40/00** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 143/00** (2013.01 - EP US); **C10M 145/14** (2013.01 - EP US); **C10M 149/02** (2013.01 - EP US); **C10M 157/00** (2013.01 - EP US); **C10M 2205/00** (2013.01 - EP US); **C10M 2205/02** (2013.01 - EP US); **C10M 2205/06** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2217/02** (2013.01 - EP US); **C10M 2217/023** (2013.01 - EP US); **C10M 2217/024** (2013.01 - EP US); **C10M 2217/028** (2013.01 - EP US); **C10M 2217/06** (2013.01 - EP US)

Cited by  
JPH078990B2; EP0644252A3; EP0889114A1; EP0491536A1; US5149452A; FR2679444A1; US5519063A; US6140431A; EP0384367A3; EP0225598A3; US4822508A; US6458749B2; EP0418610A1; EP0236844A3; US4867894A; DE3613992A1; FR2601029A1; US5043087A; DE3613992C2; US9481849B2; WO9301797A1; WO2011134694A1

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

DOCDB simple family (publication)  
**EP 0140274 A2 19850508; EP 0140274 A3 19870513; EP 0140274 B1 19901205; EP 0140274 B2 19940622**; DE 3339103 A1 19850509; DE 3483714 D1 19910117; JP H0631382 B2 19940427; JP S60110790 A 19850617; US 4968444 A 19901106

DOCDB simple family (application)  
**EP 84112445 A 19841016**; DE 3339103 A 19831028; DE 3483714 T 19841016; JP 22233184 A 19841024; US 29138788 A 19881227