

Title (en)  
Additive containing multifunctional lubricating oil and engine oil compositions

Title (de)  
Zusatzstoffhaltige Mehrbereichsmotoröl- und -schmierölkomposition

Title (fr)  
Compositions d'huile lubrifiante multifonctionnelle l'ontenant des acéiditifs

Publication  
**EP 0789069 A3 19980513 (DE)**

Application  
**EP 95119299 A 19951207**

Priority  
HU 9502797 A 19950925

Abstract (en)  
[origin: EP0789069A2] Multifunctional engine oil composition consists of a base oil and an additive package (1.5-55 weight %) comprises: (A) 10-100 wt.% polyfunctional, ash-free detergent-dispersant additive or its oily solution comprising polymer components which are produced by reacting a polyolefin derivative, preferably a PIB derivative, injected with dicarboxylic acid (anhydride) and non-acidic comonomers with ethylenic double bond, and having an average molecular weight of 800, with compound containing amino, imino or hydroxyl groups, the polyolefin chain in the polymer component carrying 1.6-20 acid derivatives, the amount of the molecules with more than one acid derivative being at least 25 wt.%, and the derivative being an imide, amide or ester amide derivative, and 0-90 wt.% usual alkenyl succinic acid derivative; (B) usual dispersant-detergent with different base number and metal content, antioxidant, friction reducer, wear inhibitor, corrosion inhibitor, defoamer and flow point reducer; and (C) usual viscosity (index) improving polymer. Weight ratio of A:B:C is 15-85: 15-85: 0-70.

IPC 1-7  
**C10M 167/00**

IPC 8 full level  
**C10M 133/56** (2006.01); **C10L 1/18** (2006.01); **C10M 101/00** (2006.01); **C10M 149/06** (2006.01); **C10M 157/00** (2006.01); **C10M 157/04** (2006.01); **C10M 167/00** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01)

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• [XP] EP 0677572 A2 19951018 - MOL MAGYAR OLAJ & GAZIPARI RT [HU], et al  
• [X] US 5445657 A 19950829 - DURAND JEAN-PIERRE [FR], et al  
• [A] EP 0657475 A1 19950614 - CHEVRON CHEM CO [US]  
• [AD] EP 0658572 A1 19950621 - MOL MAGYAR OLAJ & GAZIPARI RT [HU], et al

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