

Title (en)  
HIGH VISCOSITY, NEUTRAL POLYOLESTERS

Publication  
**EP 0272575 B1 19920916 (DE)**

Application  
**EP 87118481 A 19871214**

Priority  
DE 3643935 A 19861222

Abstract (en)  
[origin: US5057247A] Synthetic polyol esters with lubricating oil properties based on substantially neutral esterification products of a polyhydric alcohol with selected monocarboxylic acids and, optionally, polybasic carboxylic acids, wherein the polyfunctional alcohol component is dipentaerythritol which is esterified with I-branched C8-C16 fatty acids (class A acids) or with II-mixtures of linear C8-C14 fatty acids (class B acids) with branched fatty acids of class A and, optionally, limited quantities of polybasic carboxylic acids of the following classes C, D and/or E incorporated in the polyester molecular by condensation: class C acids: di- and/or tricarboxylic acids in the range from C6 to C54 class D acids: difunctional fatty acids which have been obtained by addition of acrylic acid onto the double bonds of oleic acid, linoleic acid and/or linolenic acid class E acids: aromatic and/or paraffinic, cyclic polycarboxylic acids containing from 2 to 6 acid functions.

IPC 1-7  
**C07C 69/33; C10M 105/38; C10M 105/42**

IPC 8 full level  
**C07C 69/33** (2006.01); **C07C 69/34** (2006.01); **C10M 105/38** (2006.01); **C10M 105/40** (2006.01); **C10M 105/42** (2006.01); **C10M 129/74** (2006.01); **C10N 40/04** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)  
**C10M 105/38** (2013.01 - EP US); **C10M 105/40** (2013.01 - EP US); **C10M 105/42** (2013.01 - EP US); **C10M 2203/10** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/286** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0272575 A2 19880629; EP 0272575 A3 19890809; EP 0272575 B1 19920916; EP 0272575 B2 19951213**; AT E80607 T1 19921015; BR 8706979 A 19880726; CA 1317974 C 19930518; DE 3643935 A1 19880623; DE 3643935 C2 19950706; DE 3781782 D1 19921022; ES 2052537 T3 19940716; ES 2052537 T5 19960301; JP 2661927 B2 19971008; JP S63170337 A 19880714; MX 169267 B 19930628; US 5057247 A 19911015

DOCDB simple family (application)  
**EP 87118481 A 19871214**; AT 87118481 T 19871214; BR 8706979 A 19871221; CA 555085 A 19871222; DE 3643935 A 19861222; DE 3781782 T 19871214; ES 87118481 T 19871214; JP 32663587 A 19871222; MX 973687 A 19871214; US 13603787 A 19871221