

Title (en)  
High viscosity, neutral polyolesters

Title (de)  
Hochviskose, neutrale Polyolester

Title (fr)  
Esters de polyols neutres ayant une viscosité élevée

Publication  
**EP 0272575 B2 19951213 (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  
US6029459A; EP0890634A1; EP0518567A1; US5817607A; US5833876A; US5853609A; EP0536814A1; EP0480479A3; EP0406479A1; WO9617909A1; WO9421581A1

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