

Title (en)  
ENVIRONMENTALL FRIENDLY LUBRICANTS

Title (de)  
UMWELTFREUNDLICHE SCHMIERMITTEL

Title (fr)  
LUBRIFIANTS SANS DANGER POUR L'ENVIRONNEMENT

Publication  
**EP 1436369 A1 20040714 (EN)**

Application  
**EP 02799616 A 20020924**

Priority  
• US 0230233 W 20020924  
• US 32472301 P 20010925

Abstract (en)  
[origin: WO03027212A1] A biodegradable lubricant that is at least 60% biodegradable and has a gelation index of about 12 or less can be formulated using a transesterified triglyceride base oil together with a synthetic ester. A combination of an ester viscosity index improver and an olefin copolymer viscosity index improver also can be added. Further, the composition can be blended with mineral oils to lower the polarity in order to employ standard dispersant/inhibitor packages. Further, by mixing high and low viscosities of mineral oil in the formulation, it is possible to prepare a full range of SAE grade engine oils for gasoline-fueled and diesel-fueled engines.

IPC 1-7  
**C10M 101/04**; C10M 169/04

IPC 8 full level  
**C10M 111/02** (2006.01); **C10M 101/02** (2006.01); **C10M 101/04** (2006.01); **C10M 105/36** (2006.01); **C10M 105/38** (2006.01); **C10M 143/04** (2006.01); **C10M 145/14** (2006.01); **C10M 169/04** (2006.01); **C10M 177/00** (2006.01); **C10N 30/00** (2006.01); **C10N 40/25** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
See references of WO 03027212A1

Cited by  
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