

Title (en)

Engine oil compositions comprising a polyol ester

Title (de)

Motorölzusammensetzungen enthaltend einen Polyolester

Title (fr)

Compositions d'huile moteur contenant un polyol ester.

Publication

EP 1522571 A1 20050413 (EN)

Application

EP 04255519 A 20040913

Priority

US 67469203 A 20030930

Abstract (en)

A low phosphorous or phosphorous-free sulfur lubricating oil composition and/or low phosphorous or phosphorous-free and low sulfur or sulfur-free lubricating oil composition for internal combustion engines comprising (a) a major amount of a base oil of lubricating viscosity and (b) a minor deposit-inhibiting effective amount of at least one polyol ester of the general formula <CHEM> wherein R<1>, R<2> and R<3> are independently aliphatic hydrocarbyl moieties having from 4 to about 24 carbon atoms, R<4> is hydrogen or an aliphatic hydrocarbyl moiety having 1 to 10 carbon atoms and x, y and z are the same or different and are integers from 1 to 6, and additive compositions and additive packages containing the foregoing polyol ester are provided.

IPC 1-7

C10M 129/74; **C10M 169/04**

IPC 8 full level

C10M 101/02 (2006.01); **C10M 107/02** (2006.01); **C10M 129/74** (2006.01); **C10M 169/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

C10M 129/74 (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/02** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/289** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2030/43** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2060/00** (2013.01 - EP US); **C10N 2060/06** (2013.01 - EP US); **C10N 2060/14** (2013.01 - EP US)

Citation (search report)

- [X] EP 0931827 A1 19990728 - TONEN CORP [JP]
- [X] EP 1266954 A1 20021218 - INFINEUM INT LTD [GB]
- [X] US 2003096716 A1 20030522 - LOCKE CHRISTOPHER J [GB], et al
- [X] US 5151205 A 19920929 - CULPON JR DOUGLAS H [US]
- [A] EP 1338643 A1 20030827 - INFINEUM INT LTD [GB]
- [A] US 2003027730 A1 20030206 - FIELD IAN PETER [GB], et al
- [A] WO 9918175 A1 19990415 - EXXON CHEMICAL PATENTS INC [US], et al
- [A] WPI WORLD PATENT INFORMATION DERWENT, DERWENT, GB, vol. 18, no. 89 PA - IDEMITSU KOSAN CO LTD PN - JP1079299 A, 1989, XP002064473

Cited by

EP2223992A4

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1522571 A1 20050413; CA 2482221 A1 20050330; JP 2005105279 A 20050421; SG 110206 A1 20050428; SG 136136 A1 20071029; US 2005070449 A1 20050331

DOCDB simple family (application)

EP 04255519 A 20040913; CA 2482221 A 20040921; JP 2004288141 A 20040930; SG 200406133 A 20040928; SG 2007084205 A 20040928; US 67469203 A 20030930