Title (en)

METHOD FOR OPTIMIZING FUEL ECONOMY OF LUBRICANT BASESTOCKS

Title (de)

VERFAHREN ZUR OPTIMIERUNG DER VERBRAUCHSEINSPARUNG VON GRUNDSCHMIERMITTELN

Title (fr)

PROCEDE D'OPTIMISATION D'ECONOMIE EN CARBURANT RELATIF AUX HUILES DE BASE LUBRIFIANTES

Publication

EP 1238045 A1 20020911 (EN)

Application

EP 00976916 A 20001103

Priority

- US 0030384 W 20001103
- US 16440799 P 19991109
- US 66909400 A 20000925

Abstract (en)

[origin: CA2390229A1] A method for blending base oils for use in passenger car motor oils. The PCM Os blended from these base oils show improved volatility and fuel economy, whil e maintaining current engine durability/wear protection and providing improved low temperature performance. For a 10W base oil, the method comprises blendi ng a base oil wherein said base oil has a viscosity index greater than about 10 0, a finished oil Noack volatility less than about 15%, a finished oil Cold Cranking Simulator value at -20~C of less than about 2500 cP, and a base oil kinematic viscosity at 100~C of from about 5.0 to about 6.0 cSt. For a 5W ba se oil, the method comprises blending a base oil wherein said base oil has a viscosity index greater than about 100, a finished oil Noack volatility less than or equal to about 15%, a finished oil Cold Cranking Simulator value at - 25~C of less than about 2500 cP, and a base oil kinematic viscosity at 100~C of from about 4.0 to about 5.0 cSt.

IPC 1-7 (main, further and additional classification)

C10M 101/02

IPC 8 full level (invention and additional information)

C10M 101/02 (2006.01); C10N 20/00 (2006.01); C10N 20/02 (2006.01); C10N 30/06 (2006.01); C10N 30/08 (2006.01); C10N 40/25 (2006.01); C10N 70/00 (2006.01)

Citation (search report)

See references of WO 0134735A1

Cited by

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