(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 May 2001 (17.05.2001)

PCT

(10) International Publication Number
WO 01/34735 A1

(51) International Patent Classification[7]: C10M 101/02

(21) International Application Number: PCT/US00/30384

(22) International Filing Date:
3 November 2000 (03.11.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/164,407 9 November 1999 (09.11.1999) US
09/669,094 25 September 2000 (25.09.2000) US

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(81) Designated States *(national)*: AU, CA, JP, KR, SG.

(84) Designated States *(regional)*: European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

Published:
— *With international search report.*
— *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/34735 A1

(54) Title: METHOD FOR OPTIMIZING FUEL ECONOMY OF LUBRICANT BASESTOCKS

(57) Abstract: A method for blending base oils for use in passenger car motor oils. The PCMOs blended from these base oils show improved volatility and fuel economy, while maintaining current engine durability/wear protection and providing improved low temperature performance. For a 10W base 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 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 base 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.