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(21) International Application Number: PCT/US98/00053 (22) International Filing Date: 6 January 1998 (06.01.98) (30) Priority Data: 08/835,451 8 April 1997 (08.04.97) US (71) Applicant: EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, P.O. Box 710, Linden, NJ 07036 (US). (72) Inventor: BOVINGTON, Charles, Herbert; Ashbourne, Kings Lane, Longcot, Faringdon, Oxfordshire SN7 7SS (GB). (74) Agent: COHEN, Harvey, L.; Exxon Chemical Company, 1900 East Linden Avenue, P.O. Box 710, Linden, NJ 07036 (US).		(81) Designated States: CA, CN, JP, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: IMPROVED FUEL ECONOMY ADDITIVE AND LUBRICANT COMPOSITION CONTAINING SAME (57) Abstract A lubricant composition capable of improving the fuel economy of an internal combustion engine and comprising a base oil as a major component and from about 2 to about 15 wt.%, based on the weight of composition, of a fuel economy improving additive having a viscosity greater than the viscosity of the bulk lubricant and being selected such that the lubricant is characterized by (1) a positive deviation from that of a theoretical line when the elastohydrodynamic (EHD) film thickness thereof is plotted against entrainment speed on a log basis, and by (2) a traction coefficient under both hydrodynamic and mixed lubrication conditions which is lower than it would have been if the fuel economy improving additive were not present in the lubricant is disclosed.		