(11) Publication number:

0 092 946

A3

12

EUROPEAN PATENT APPLICATION

(21) Application number: 83302155.3

(51) Int. Cl.4: C 10 M 1/14

(22) Date of filing: 15.04.83

(30) Priority: 22.04.82 US 371008

(43) Date of publication of application: 02.11.83 Bulletin 83/44

(88) Date of deferred publication of search report: 14.08.85

(84) Designated Contracting States: BE DE FR GB IT NL SE 71) Applicant: Exxon Research and Engineering Company P.O.Box 390 180 Park Avenue Florham Park New Jersey 07932(US)

(72) Inventor: Brewster, Phillip William RR1 Camlachie Ontario(CA)

(2) Inventor: Smith, Clinton Richard King Street RR2 Camlachie Ontario(CA)

(74) Representative: Bawden, Peter Charles et al, ESSO CHEMICAL LIMITED Esso Chemical Research Centre PO Box 1 Abingdon Oxfordshire OX13 6BB(GB)

64) Glycerol esters with oil-soluble copper compounds as fuel economy additives.

⁽⁵⁾ Lubricating oil compositions are disclosed exhibiting improved fuel economy which contain 0.05 to 0.2 wt. % of a glycerol partial ester of a C_{1e}-C₁₈ fatty acid and 5 to 500 ppm of copper in the form of an oil-soluble organic copper compound, the two components exhibiting a combined effect in improving fuel economy of internal combustion engines.



EP 83 30 2155

Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci. 3)
				C 10 M 1/1
D,Y	GB-A-2 097 813 * Claims 1-8 *	(EXXON)	1-11	0 10 11 1) 1
D,Y	EP-A-O 024 146 * Claims 1-17 *	(EXXON)	1-5,11	
Y	US-A-2 911 367	(R.E. BAUS)	1,4,9,	
	* Claim 1; colu column 5, lines	mn 3, lines 38-45; 24-47 *		
	•			TECHNICAL FIELDS SEARCHED (Int. Ci. 3)
				C 10 M
			_	
	The present search report has be	•		Formit
		Date of completion of the search 12-04-1985	ROTSAERT L.D.C.	
X : par Y : par	CATEGORY OF CITED DOCL ticularly relevant if taken alone ticularly relevant if combined w tument of the same category phological background phyritten disclosure	F · earlier nat	orinciple underly ent document, b ling date cited in the appl cited for other re	ing the invention ut published on, or ication