

⑫

EUROPEAN PATENT APPLICATION

⑪ Application number: **87302641.3**

⑪ Int. Cl.⁴: **C 10 L 1/22**
C 10 L 10/00

⑫ Date of filing: **26.03.87**

⑬ Priority: **27.03.86 US 844849**

⑭ Date of publication of application:
07.10.87 Bulletin 87/41

⑮ Designated Contracting States:
AT BE CH DE ES FR GB IT LI LU NL SE

⑯ Date of deferred publication of search report:
07.01.88 Bulletin 88/01

⑰ Applicant: **Exxon Research and Engineering Company**
P.O.Box 390 180 Park Avenue
Florham Park New Jersey 07932 (US)

⑱ Inventor: **Cartwright, Stanley James**
1220 Severin Drive
Sarnia Ontario 17S 2B8 (CA)

Felsky, Gerald
1678 Trinity Court
Sarnia Ontario 17S 5K2 (CA)

Ryer, Jack
61 Jensen Street
Est Brunswick New Jersey 08816 (US)

⑲ Representative: **Somers, Harold Arnold et al**
ESSO Engineering (Europe) Ltd. Patents & Licences
Apex Tower High Street
New Malden Surrey KT3 4DJ (GB)

⑳ **Anti-fouling fuel composition.**

㉑ A fuel composition for reducing and/or preventing carburetor or fuel injector fouling in an internal combustion engine is described. The fuel delivered to the carburetor or fuel injector means comprises gasoline and an effective amount of a condensation product of a branched C₁₂-C₃₀ carboxylic acid and an alkylene amine.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-4 394 135 (ANDRESS) * Whole document *	1,3,5- 7,9	C 10 L 1/22 C 10 L 10/00
Y		4	
A		2,8	
Y	--- EP-A-0 149 486 (ATLANTIC RICHFIELD CO.) * Abstract; claims 1-4,8-12; page 11, lines 6-13 *	4	
A		1-3,5- 9	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
X	--- US-A-3 468 639 (LINDSTROM et al.) * Whole document *	1,5-9	C 10 L
A		2-4	
X	--- US-A-2 622 018 (WHITE et al.) * Whole document *	1,5-9	
A		2-4	
	--- -/-		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-10-1987	Examiner DE LA MORINERIE B.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	





EP 87 30 2641

DOCUMENTS CONSIDERED TO BE RELEVANT				Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)	
Y	FR-A-2 452 081 (CHEVRON) * Claims; page 3 *	1,7		
Y	--- US-A-2 392 881 (RITTSCHOF et al.) * Whole document *	1,7		
A	--- US-A-2 980 518 (BARTLETT) * Whole document *	1,7		
A	--- EP-A-0 016 972 (PHILLIPS PETROLEUM CO.) * Whole document *	1,7		
D,A	--- FR-A-1 318 311 (CALIFORNIA RESEARCH CORP.) * Whole document *	1,7		
A	--- US-A-4 551 257 (HORODYSKY) * Whole document *	1,7		
A	--- US-A-4 332 737 (MANOS) * Whole document *	1,7	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)	

The present search report has been drawn up for all claims				
Place of search THE HAGUE		Date of completion of the search 12-10-1987	Examiner DE LA MORINERIE B.M.	
CATEGORY OF CITED DOCUMENTS				
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document				