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Applicant : **ETHYL PETROLEUM ADDITIVES
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Motor oil compositions, additive concentrates for producing such motor oils, and the use thereof.

Lubricants and additive concentrates comprising : (a) a dispersant made by reacting aminoguanidine and/or a basic salt thereof with an acyclic hydrocarbyl succinic acylating agent in a mole ratio of 0.4 :1 to 1.3 :1, respectively ; (b) a zinc dihydrocarbyl dithiophosphate in which at least 35 mol percent of the hydrocarbyl groups are secondary hydrocarbyl groups ; and (c) a basic calcium detergent additive complement exhibit excellent performance characteristics.



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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 5974 . 1

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.6)
Y	GB-A-1 121 681 (THE LUBRIZOL CORPORATION) * page 4, line 3 - line 4 * * page 6; examples 6,12,14 * * page 7, line 95 - line 102 * * page 8, line 42 - line 82 * * page 10, line 54 - line 61 * ---	1,4-7,9, 10,13, 14,16-18	C10M163/00 C10M167/00 //(C10M163/00, 133:52,137:10, 159:20,159:22, 159:24), C10N10:04, C10N30:00, C10N30:04, C10N60:14, C10N40:25
Y	EP-A-0 516 461 (ETHYL PETROLEUM ADDITIVES) * page 2, line 48 - line 50 * * page 26, line 2 - line 6 * * page 35; example I * * page 36, line 20 - line 25 * * page 37, line 1 - line 10 * * page 44; example XIV * * claims 8,15 * ---	1,4-7,9, 10,13, 14,16-18	
A	GB-A-998 869 (MONSANTO COMPANY) * page 1, line 60 - line 72 * * page 2, line 93 - line 104 * * page 3; example 4 * * page 4; example 4 * * page 10, line 10 - line 33 * ---	1,4,5,9, 10,16	TECHNICAL FIELDS SEARCHED (Int.Cl.6) C10M
A	GB-A-2 118 965 (THE LUBRIZOL CORPORATION) * page 5; example 3 * * page 7, line 1 - line 11 * * page 7, line 65 - page 8, line 1 * * page 8; example A * --- -/--	1,4,6,9, 10,13,16	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 May 1995	Examiner Hilgenga, K
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			

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Application Number
EP 94 30 5974

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.6)
A	EP-A-0 317 354 (EXXON CHEMICAL PATENTS INC.) * page 20, line 1 - line 19 * * page 22; example 30 * ---	1,2,4-7, 10,11, 13,14	
A	EP-A-0 277 729 (AMOCO CORPORATION) * page 8, line 14 - line 15 * * page 11, line 29 - line 33 * * page 20; example 14; table X * * claim 9 * ---	1-8, 10-15	
E	WO-A-95 00607 (ETHYL CORPORATION) * page 8, line 5 - line 15; claim 1 * -----		
TECHNICAL FIELDS SEARCHED (Int.Cl.6)			
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 May 1995	Examiner Hilgenga, K
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			

EPO FORM 1503 03.92 (P04C01)