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Improved succinimide jubricating oil dispersant.

57 There is disclosed an improved lubricating oil dispersant suitable for both gasoline engine and diesel engine lubricating oil, the dispersant being prepared in a sequential process whereby a polyolefin succinic anhydride is reacted first with an alkylene polyamine and subsequently with maleic anhydride, succinic anhydride, or a C1-C18 alkenyl or alkyl succinic anhydride to provide a diimide dispersant having a final mole ratio of 2.3 to 3.0 moles of anhydride per mole of polyamine.



EUROPEAN SEARCH REPORT

European Patent
Office

EP 82 30 4066

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category		ith indication, where app vant passages	ropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Х, У	GB-A-1 162 436 * Claims 1-7,1 lines 11-44 *		page 2,	1-7,11	C 10 M 1/32 C 07 D 207/40
D,X Y	US-A-3 415 750 ANZENBERGER) * Column 1, 1: line 24; column column 2, line line 15; column umn 4, line 16 65-75 *	ine 50 - co mn 2, lines e 58 - co 3, line 68	31-38; lumn 3, - col-	1-5,7, 11,12	
D,X Y	* Column 7, l:	ino 73 - go	lumn O	8,10	
	line 34; column	7, lines 1	s 19-22 *		TECHNICAL FIELDS
Y	US-A-3 639 242 * Claims 1-5; 1-9; column 12, *	column 11	, lines	1-4-12	C 10 M C 07 D
		E 50 cm			
	The present search report has b	peen drawn up for all cla	ims		
Place of search Date of completion of the s THE HAGUE 25-05-1984				ROTSAI	Examiner ERT L.D.C.
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					out published on, or lication easons