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(54) **Low phosphorous engine oil compositions and additive compositions**

(57) An engine oil composition which comprises a metal-containing detergent, zinc dithiophosphate, and a boron-containing ashless dispersant dissolved or dispersed in a base oil; characterized by further containing an antiwear agent having an aliphatic amide compound and either a dithiocarbamate compound or an ester derived from a fatty acid and boric acid.

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EUROPEAN SEARCH REPORT

Application Number
EP 97 11 6487

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)
D,X	EP 0 335 701 A (ETHYL) * page 5, line 22 - line 55 * * page 7, line 18 - line 51 *	1-22	C10M141/12 C10M167/00
A	EP 0 317 354 A (EXXON) * page 14, line 61 - line 62 *	1-22	
A	EP 0 280 580 A (EXXON) * page 4, line 4 - line 13 *	1-22	
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A	US 4 455 243 A (LISTON) * the whole document *	1-22	
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A	GB 2 125 431 A (KARONITE CHEMICAL) * the whole document *	1-22	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	WO 88 04684 A (LUBRIZOL) * page 22 - page 23; claim 1; example 3 *	1-22	C10M
A	WO 91 09922 A (LUBRIZOL) * page 23, paragraph 3; claims 48,64,65 * * page 50, paragraph 2 - page 51, paragraph 1 *	1-22	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 November 1997	Examiner De La Morinerie, B
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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