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(54) **Lubricating oil composition containing alkali metal borates with improved frictional properties**

(57) A lubricating oil composition with improved frictional and wear performance, especially when the ratio of polysulfides is controlled, wherein said composition comprises a major amount of an oil of lubricating viscosity, at least one alkali metal borate; at least one dihydrocarbyl polysulfide component comprising a mixture of sulfides and having at least 30% dihydrocarbyl tet-

rasulfide or higher sulfides; at least one non-acidic phosphorus component comprised of a trihydrocarbyl phosphite; at least one dihydrocarbyl dithiophosphate; and a phosphorus component comprising a dihydrocarbyl phosphite component is disclosed.

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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2006/252656 A1 (ZAKARIAN JOHN A [US] ET AL) 9 November 2006 (2006-11-09) * paragraphs [0001], [0005] - paragraph [0036]; claims 1-14; tables 1-9 *	1-18	INV. C10M141/12
X	US 2006/252657 A1 (ZAKARIAN JOHN A [US] ET AL) 9 November 2006 (2006-11-09) * paragraph [0012] - paragraph [0038]; claims 1-14; example 2; tables 1,2 *	1-18	
A	EP 1 471 133 A (CHEVRON ORONITE CO [US]) 27 October 2004 (2004-10-27) * claims 1,3,22-26,28,36-41,47-50 *		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			C10M
Place of search		Date of completion of the search	Examiner
Munich		5 May 2009	Pöllmann, Klaus
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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