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(54) **Lubricating oil composition for marine applications**

(57) A lubricating oil and a lubricant additive composition suitable for use in marine gear applications, including the gears of two-cycle or four-cycle outboard marine engines or the gears of an outdrive of an inboard/out-

board marine drivetrain. The lubricating oil and additive composition may exhibit improved water emulsification and wear properties.

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EUROPEAN SEARCH REPORT

Application Number
EP 08 15 0713

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 642 188 B1 (HARTLEY ROLFE J [US] ET AL) 4 November 2003 (2003-11-04) * column 8, line 1 - line 19; claims * * column 10, line 50 - column 12, line 20 *	1-19	INV. C10M167/00 ADD. C10N40/04 C10N30/06
X	EP 1 126 010 A1 (CHEVRON ORONITE JAPAN LTD [JP]) 22 August 2001 (2001-08-22) * paragraphs [0001] - [0005], [0024], [0039] - [0045]; claims; table 1 *	1-19	
			TECHNICAL FIELDS SEARCHED (IPC)
			C10M
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 23 June 2010	Examiner Glod, Guy
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
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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23-06-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6642188	B1	04-11-2003	CA 2434454 A1	08-01-2004
			EP 1386958 A1	04-02-2004
			US 2004121918 A1	24-06-2004

EP 1126010	A1	22-08-2001	CA 2336505 A1	14-08-2001
			JP 4011815 B2	21-11-2007
			JP 2001226691 A	21-08-2001
			SG 95628 A1	23-04-2003
			US 2001019999 A1	06-09-2001
