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(54) **Wakesurfing boat and hull for a wakesurfing boat**

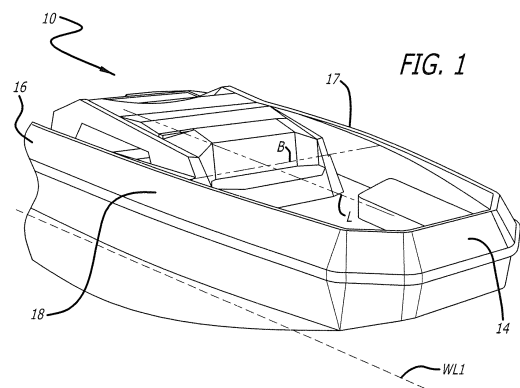
(57) A wakesurfing boat (10) and a hull (12) for a wakesurfing boat. The hull includes a bow (14), a stern (16), port (17) and starboard (18) bulwarks, and a bottom (20) having a preselected length extending from the bow (14) to the stern (16).

The bottom (20) is configured with a substantially central ridge (22) and port (24) and starboard (25) ridges extending below the respective port and starboard bulwarks (17, 18) to define a substantially M-shaped bottom in cross section with concave portions to port and starboard of the substantially central ridge.

Port and starboard laterally rounded sponsoons extend below the respective port and starboard bulwarks proximate the stem. A trim wedge projects below the stem. A first rounded stem portion extends below the stem aft of the trim wedge, and a second rounded stem portion extends from the port sponsoon to the starboard sponsoon. Ballast tanks (42a, 42b, 43a, 43b, 44a, 44, 45, 46) supported by the hull, are selectively fillable with ballast water. In a dynamic surfing mode, with ballast tanks partially or fully flooded, increased water flowing through the port and starboard concave portions, combined with increased ballast, and increased displaced water, increases water resistance to the hull, resulting in a larger wake wave.

Water passing around the rounded lateral spon-

soons, past the wedge trim, and past the first and second rounded portions of the stem is directed toward a convergent zone in the wake, resulting in an improved wake wave shape.





EUROPEAN SEARCH REPORT

Application Number
EP 14 18 0155

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 3 503 358 A (MOESLY CARL) 31 March 1970 (1970-03-31) * column 2, line 12 - line 51; figures 1-6 *	1-6	INV. B63B1/04 B63B1/20 B63B43/06
A	----- WO 00/17041 A1 (MANGIA ONDA CO LLC [US]; ROBINSON CHARLES W [US]; BURNS WILLIAM F III) 30 March 2000 (2000-03-30) * figures 1-6 *	1-6	
A	----- US 6 374 762 B1 (LARSON BORDEN M [US] ET AL) 23 April 2002 (2002-04-23) * column 4, line 26 - line 65; figures 1-3 * -----	1-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			B63B
Place of search		Date of completion of the search	Examiner
The Hague		30 November 2015	Székely, Zsolt
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.
The members are as contained in the European Patent Office EDP file on
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3503358	A	31-03-1970	NONE
WO 0017041	A1	30-03-2000	AT 409157 T 15-10-2008
		AU 755596 B2 19-12-2002	
		AU 6258699 A 10-04-2000	
		DK 1115609 T3 19-01-2009	
		EP 1115609 A1 18-07-2001	
		ES 2310049 T3 16-12-2008	
		NZ 510758 A 31-10-2003	
		US 6250245 B1 26-06-2001	
		WO 0017041 A1 30-03-2000	
US 6374762	B1	23-04-2002	US 6374762 B1 23-04-2002
		US 2002134293 A1 26-09-2002	
		US 2004154519 A1 12-08-2004	
		US 2008047479 A1 28-02-2008	
		US 2010162937 A1 01-07-2010	
		US 2013340664 A1 26-12-2013	
		US 2015259034 A1 17-09-2015	

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