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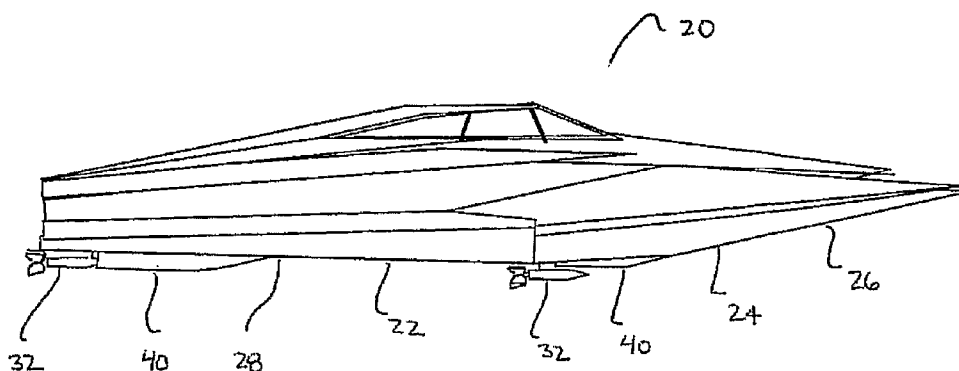
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(54) Title: HIGH SPEED MARINE VESSEL



(57) Abstract: A high-speed boat includes a hull having multiple sponsons. At least one propulsion unit is disposed on the hull. The propulsion unit is moveable with respect to the boat hull adjusting a thrust vector of the propulsion unit. In another aspect, the high-speed boat may include a hull having fore and aft portions. The fore portion includes multiple sponsons. At least one moveable step is attached to one of the sponsons, dynamically adjusting that sponson's relative contact position with respect to a water surface. In another aspect, the high speed boat may include a hull having multiple sponsons separated by a forward hull portion. The forward hull portion includes a top surface and a bottom surface. At least one adjustable dump vent is formed on the bottom surface of the forward hull portion. The dump vent includes a door moveable with respect to the dump vent for controlling a volume of air released through the dump vent. The dump vent extends from the bottom surface to the top surface of the forward hull portion.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B63B 1/02 (2007.01)

USPC - 114/283, 284, 288

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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USPC - 114/283, 284, 288-290

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,702,598 A (SZPTYMAN) 14 November 1972 (14.11.1972) entire document	1-5, 7
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Y		8-14
X	US 6,526,903 B2 (ROBINSON et al) 04 March 2003 (04.03.2003) entire document	1-3, 6
X	US 2,370,318 A (LAKE) 27 February 1945 (27.02.1945) entire document	15-19, 23, 27
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Y		11, 20-22
X	US 4,993,349 A (SOLARI) 19 February 1991 (19.02.1991) entire document	23, 24, 27
X	US 5,176,095 A (BURG) 05 January 1993 (05.01.1993) entire document	23, 27
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Y		25, 26, 28-32
X	US 3,191,572 A (WILSON) 29 June 1965 (29.06.1965) entire document	33-35
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Y		12, 13
X	US 5,988,097 (KARNEY et al) 23 November 1999 (23.11.1999) entire document	36-39
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Y		14
Y	US 2004/0024503 A1 (SWINBANKS et al) 05 February 2004 (05.02.2004) entire document	8-10, 20-22, 30, 31
Y	US 3,968,763 A (MASON) 13 July 1976 (13.07.1976) entire document	25, 26, 28-32

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