



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 901 957 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
16.08.2000 Bulletin 2000/33

(51) Int. Cl.⁷: **B63B 1/10, F15B 15/08**

(43) Date of publication A2:
17.03.1999 Bulletin 1999/11

(21) Application number: **98116283.7**

(22) Date of filing: **28.08.1998**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Fantacci, Gianfranco**
19020 Ceparana, La Spezia (IT)

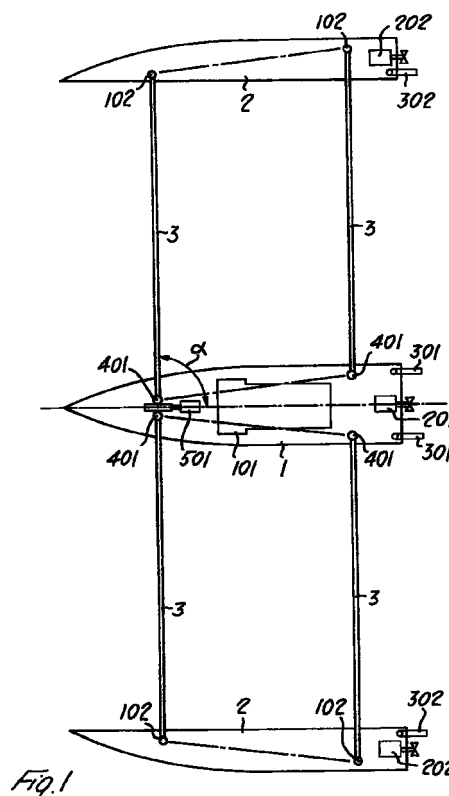
(74) Representative:
Porsia, Attilio, Dr. et al
c/o Succ. Ing. Fischetti & Weber
Via Caffaro 3/2
16124 Genova (IT)

(30) Priority: **10.09.1997 IT GE970074**

(71) Applicant: **INTERMARINE S.p.A.**
I-19038 Sarzana (La Spezia) (IT)

(54) **Fast multiple hull vessel with variable relative hull position**

(57) Multiple modular fast hull, including a central hull (1) and two lateral hulls (2), connected to said central hull (1) by means of movable constraint means (3), said constraint means allowing the variation in the relative position of the lateral hulls (2) in relation to the central hull (1).



EP 0 901 957 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 11 6283

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)
X	WO 84 01551 A (LIU GORDON Y T) 26 April 1984 (1984-04-26)	1-3,8	B63B1/10 F15B15/08
Y	* claim 1; figure 3 * * page 4, line 22 - page 5, line 9 *	5	
Y	PATENT ABSTRACTS OF JAPAN vol. 007, no. 047 (M-196), 24 February 1983 (1983-02-24) -& JP 57 195906 A (BANDOO KAGAKU KK), 1 December 1982 (1982-12-01)	5	
A	* abstract; figures 1,3 *	3	
X	GB 2 305 400 A (NORASIA SERVIES SA ;NIGEL GEE AND ASSOCIATES LTD (GB)) 9 April 1997 (1997-04-09)	1,2,10	
A	* claims 16,18,22; figure 2 * * page 4, line 21 - page 5, line 5 *	6,7	
X	EP 0 687 624 A (AUCELLUS SA) 20 December 1995 (1995-12-20)	1,4	
A	* claims 1-3,5; figures 1,2 * * column 2, line 16 - line 54 *	6	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B63B F16H F15B
X	US 5 590 616 A (VERA DANIEL) 7 January 1997 (1997-01-07)	1,6,8	
Y	* figures 1-3,18 * * column 9, line 17 - line 35 * * column 10, line 45 - line 48 * * column 11, line 8 - line 12 * --- -/--	7	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 June 2000	Examiner Häusler, F.U.
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			

EPO FORM 1503 03/82 (P04C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 11 6283

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)
Y	WO 90 08689 A (BROUZES PAUL) 9 August 1990 (1990-08-09)	7	
A	* figures 1,2 * * page 7, line 4 - line 8 * ---	1,8	
X	FR 2 588 238 A (CINATTI FRANCK) 10 April 1987 (1987-04-10)	1,8	
A	* claims 1,2,5; figures 1,5,6 * * page 2, line 3 - line 29 * * page 3, line 1 - line 3 * ---	6	
X	DE 32 17 250 A (STAHL WERNER) 10 November 1983 (1983-11-10)	1,2	
A	* claims 51,55,58; figure 8 * * page 29, line 24 - line 36 * ---	6	
X	DE 29 03 815 A (SCHUMACHER ERWIN) 14 August 1980 (1980-08-14) * claims 1,4,9,10; figures 1-4 *	1,2,9,10	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	FR 2 563 177 A (LANGEVIN SYLVESTRE) 25 October 1985 (1985-10-25) * figures 2-4 * * page 2, line 16 - line 31 *	3,5	
A	US 3 444 784 A (WENGERD ROBERT L) 20 May 1969 (1969-05-20) * figure 1 * -----	5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 June 2000	Examiner Häusler, F.U.
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			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 11 6283

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-06-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 8401551 A	26-04-1984	AU 9129282 A EP 0122913 A	04-05-1984 31-10-1984
JP 57195906 A	01-12-1982	NONE	
GB 2305400 A	09-04-1997	AT 187136 T AU 716116 B AU 6994796 A DE 69605432 D EP 0851827 A ES 2143226 T WO 9710988 A US 6044784 A	15-12-1999 17-02-2000 09-04-1997 05-01-2000 08-07-1998 01-05-2000 27-03-1997 04-04-2000
EP 0687624 A	20-12-1995	NONE	
US 5590616 A	07-01-1997	NONE	
WO 9008689 A	09-08-1990	FR 2642395 A AU 5094190 A EP 0456729 A	03-08-1990 24-08-1990 21-11-1991
FR 2588238 A	10-04-1987	NONE	
DE 3217250 A	10-11-1983	NONE	
DE 2903815 A	14-08-1980	NONE	
FR 2563177 A	25-10-1985	NONE	
US 3444784 A	20-05-1969	NONE	