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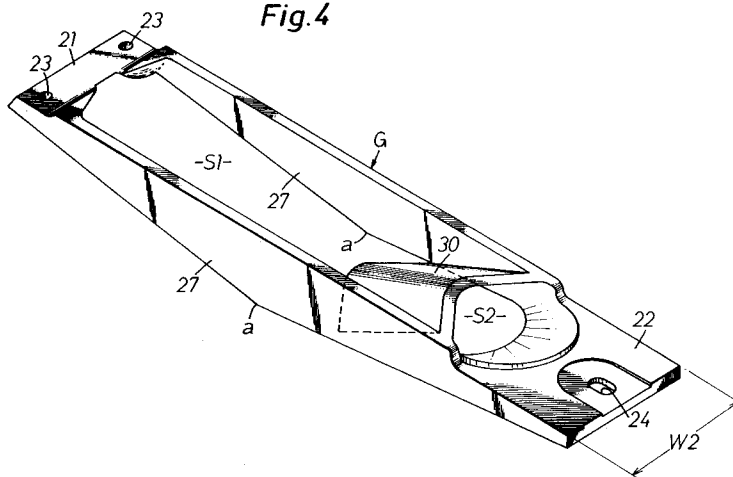
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W-8000 München 22(DE)(54) **Intake grating for water-jet propelled boats.**

(57) The present invention relates to a device used in jet-propelled gliding boats for preventing floating obstacles from being drawn in, wherein a scope gate in lattice form is composed of a pair of attaching seats (21, 22) associated with the bottom surface of the boat body and a single longitudinal partition wall extending along the travel center line of the boat body or a pair of longitudinal partition walls (27) extending parallel with the travel center line of the boat body, interconnecting the attaching seats, substantially the latter half or halves of the lon-

gitudinal partition wall or walls project downward by a fixed amount beyond the bottom surface of the boat body, while a transverse partition wall (30) is disposed in the intermediate portion or portions of the projecting latter half or halves to assume an inclined state sloping rearwardly upward at a fixed angle, whereby a larger space (S1) for water intake is defined between the transverse partition wall (30) and the front attaching seat (21) and a smaller space (S2) or water intake is defined between the transverse partition wall and the rear attaching seat (22).

Fig.4**EP 0 472 832 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 9623

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.5)
Y	US-A-4 237 812 (RICHARDSON) * The whole document *	1	B 63 H 11/02
Y	US-A-4 775 341 (TYLER) * Column 1, line 61 - column 2, line 49; figures 2-5 *	1	
A	US-A-4 925 408 (WEBB) * Column 6, line 52 - column 7, line 6 *	1,4	
A	US-A-4 373 919 (STRANGELAND) * Figures 1,2 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 63 H B 63 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08-11-1991	Examiner HUNT A.E.
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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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1, 3, 4



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,

namely:

1. (Claim 1, 3, 4) The problem of preventing floating obstacles from entering a water intake is solved by use of a device having, inter alia, (a) a pair of longitudinal walls; which (b) project downwardly; and (c) a transverse partition wall

2. (Claim 2) The same problem is solved by means of a device having a single longitudinal wall in place of feature (a), as well as the features (b) and (c).

The features common to groups 1 and 2 above are known per se, however, including (b) which is known from US-A-4237812 and (c) which is known from US-A-4775341. Moreover, it would be obvious for the skilled man, familiar with the device of US'812 to follow the teaching of US'341 and incorporate one or more transverse walls therein to obtain an improved water flow control, thereby arriving at a device incorporating all the common features of claims 1 and 2. Accordingly, no common concept can be seen which is inventive, and the application lacks unity a posteriori, contrary to the requirements of Art 82 EPC.