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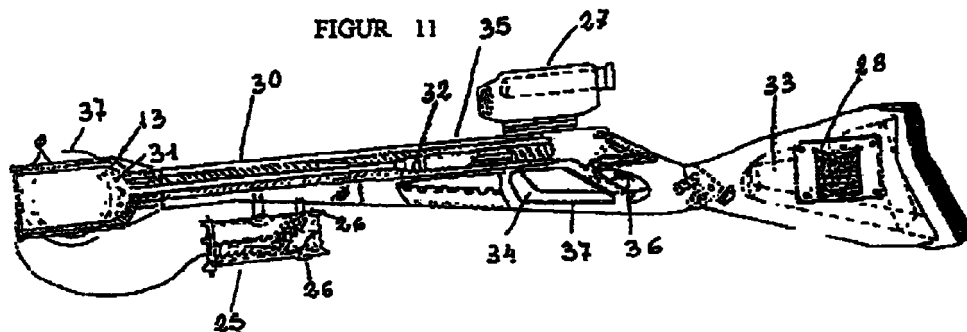
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(54) **Life preserver device with a launcher**

(57) The object of this invention are the improvements made in a life preserver device equipped with a launcher which affords the possibility of the immediate inflating of the float, controlling the distance to which the same is to be launched thanks to the means attached to the launcher, said means being a chart of metric notes

(28) and a telemetric gauge (27), being attached to the float (1) and the launcher by means of a system of lines (21) and (23) which afford the possibility of joining the float to the roll stand (25) of the launcher, inside the muzzle (13) of which said float is inserted.





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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 7394

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	EP 0 767 099 A (BAUTISTA & SORIANO) 9 April 1997 (1997-04-09)	1,2	B63C9/26 F41G1/473
Y	* the whole document *	3	
A		4,5,7,8, 10,14, 16,17	
Y	US 5 584 736 A (SALVEMINI) 17 December 1996 (1996-12-17)	3	
A	* column 4, line 26 - line 40; figures 1-6 *	7-9,13, 14,17	
A	DE 42 18 118 A (HELLER) 9 December 1993 (1993-12-09)	6,7,18	
A	* abstract; figure 1 *		
A	FR 2 148 889 A (DIVIQ) 23 March 1973 (1973-03-23)	6,8,18	
A	* column 2, line 10 - line 17; figures 1-4 *		
A	US 5 409 187 A (DUNHAM) 25 April 1995 (1995-04-25)	1,7,8, 16,17	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B63C F41G
	* the whole document *		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 March 2000	Examiner DE SENA HERNAND., A
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.**

EP 98 10 7394

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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30-03-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 767099 A	09-04-1997	ES 2119634 A AU 4832296 A BR 9606486 A JP 10503142 T US 5775966 A CA 2195212 A WO 9636530 A	01-10-1998 29-11-1996 25-11-1997 24-03-1998 07-07-1998 21-11-1996 21-11-1996
US 5584736 A	17-12-1996	US 5690524 A	25-11-1997
DE 4218118 A	09-12-1993	NONE	
FR 2148889 A	23-03-1973	NONE	
US 5409187 A	25-04-1995	NONE	