



(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 908 652 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
20.09.2000 Bulletin 2000/38

(51) Int. Cl.<sup>7</sup>: F16K 15/20, F16K 15/06,  
B63C 9/19

(43) Date of publication A2:  
14.04.1999 Bulletin 1999/15

(21) Application number: 98118327.0

(22) Date of filing: 28.09.1998

(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

(30) Priority: 10.10.1997 IT FO970024

(71) Applicant: Ceredi, Giovanni  
48011 Alfonsine (Ravenna) (IT)

(72) Inventor: Ceredi, Giovanni  
48011 Alfonsine (Ravenna) (IT)

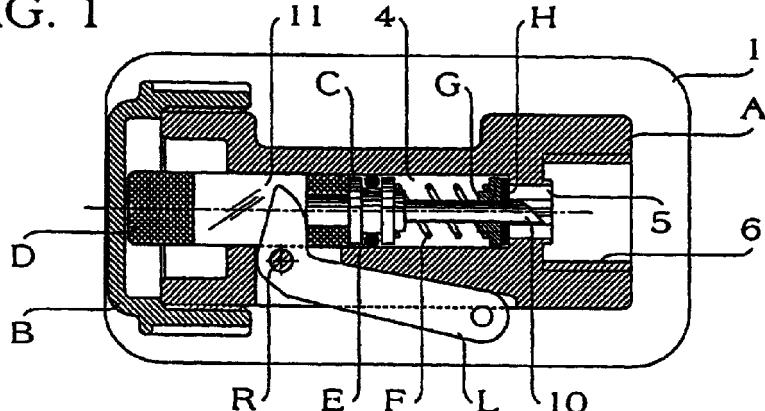
(74) Representative:  
Modiano, Guido, Dr.-Ing. et al  
Modiano & Associati SpA  
Via Meravigli, 16  
20123 Milano (IT)

### (54) Valved device with automatic and/or manual actuation for quickly inflating life-jackets or other items

(57) A valved device with automatic and/or manual actuation, for quickly inflating life-jackets or other items, comprising a main body (A) having a flat base (1) for fixing to the fabric of a life-jacket, said jacket being provided with a hole. The flat base (1) perimetricaly delimits a recess (2), in said main body (A), into which an opening (3) leads. The opening (3) is provided in a

cylindrical seat (4) for the sliding of first elements (C,10) meant to tear the closure of a bottle of compressed air or gases and of second elements (F,G,H) which are coaxial to said first elements (C,10) and subsequently keep the life-jacket inflated.

FIG. 1





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 98 11 8327

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.CI)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 564 478 A (WEINHEIMER JACEK M ET AL) 15 October 1996 (1996-10-15) * abstract * * column 5, line 26 - column 6, line 53; figures 3,4,6B *	1,3	F16K15/20 F16K15/06 B63C9/19 B63C9/24
Y	—	2,4-7	
X	US 5 601 124 A (FAWCETT JR LYMAN W ET AL) 11 February 1997 (1997-02-11) * column 5, line 23-64; figure 1 *	1	
Y	—	2	
X	US 4 223 805 A (MACKAL GLENN H) 23 September 1980 (1980-09-23) * abstract * * column 2, line 42-60 * * column 5, line 13-65; figures 6,7 *	1	
Y	—	4-7	
X	US 4 894 036 A (SWITLIK STANLEY) 16 January 1990 (1990-01-16) * abstract * * column 3, line 43 - column 4, line 46 * * column 6, line 7 - column 7, line 10; figures 1-4 *	1	
A	US 3 169 665 A (RUSSEL S. COLLEY) 16 February 1965 (1965-02-16) * column 3, line 49 - column 4, line 62; figures 1-3 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.CI)
Place of search THE HAGUE		Date of completion of the search 31 July 2000	Examiner Busto, M
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 98 11 8327

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.

31-07-2000

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5564478	A	15-10-1996	NONE		
US 5601124	A	11-02-1997	US	5694986 A	09-12-1997
US 4223805	A	23-09-1980	DE	2930858 A	21-02-1980
			FR	2432629 A	29-02-1980
			GB	2029951 A,B	26-03-1980
US 4894036	A	16-01-1990	NONE		
US 3169665	A	16-02-1965	NONE		