(11) **EP 1 296 112 A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: **02.01.2004 Bulletin 2004/01** 

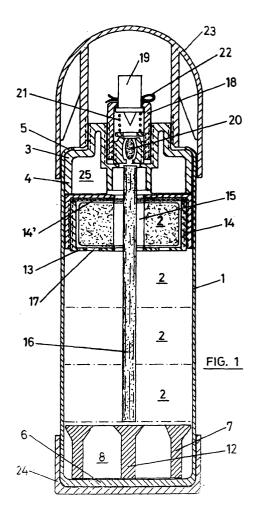
(51) Int Cl.<sup>7</sup>: **F42B 12/62**, F42B 12/46, F42B 4/10

- (43) Date of publication A2: **26.03.2003 Bulletin 2003/13**
- (21) Application number: 02380195.4
- (22) Date of filing: 20.09.2002

AL LT LV MK RO SI

- (84) Designated Contracting States:

  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
  IE IT LI LU MC NL PT SE SK TR
  Designated Extension States:
- (30) Priority: **25.09.2001 ES 200102151 22.03.2002 ES 200200682**
- (71) Applicant: FALKEN, S.A. 28021 Madrid (ES)
- (72) Inventor: Bardisa Santacreu, Juan 28011 Madrid (ES)
- (74) Representative: Davila Baz, Angel et al c/o Clarke, Modet & Co.,Goya, 1128001 Madrid (ES)
- (54) Device with combustible charge with smoke-generating, tear-generating or signaling effects
- (57) Device with combustible charge with smokegenerating, tear-generating or signaling effects, which comprises a casing (1) housing a series of charges (2) traversed by an ignition cord (16), which casing is closed by means of a cover (3) which delimits an inner chamber (25) and carries a fuse (18). Between the charges (2) and the end wall (6) of the casing (1) there is a spacer (7') which defines a chamber (8), between said end wall (6) and the nearest charge (2), and which may consist of a cylindrical wall, inside which are housed one or more parachutes (26), to each of which a charge (2) is connected.





## **EUROPEAN SEARCH REPORT**

Application Number EP 02 38 0195

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category		ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
D,A	EP 0 369 922 A (FAL 23 May 1990 (1990-6 * the whole documer	05-23)	1-4	F42B12/62 F42B12/46 F42B4/10
А	3 September 1996 (1	DMEIER HERWIG ET AL) 996-09-03) - column 5, line 41;	1-4	
A	19 March 1996 (1996	IIESSL ALOIS ET AL) 3-03-19) 66 - column 15, line 16;	1-4	
Α	US 3 055 300 A (DON 25 September 1962 ( * the whole documer	1962-09-25)	4	
				TECHNICAL FIELDS
				SEARCHED (Int.Cl.7)
				F42B
			•	
	The present search report has I	,		
	Place of search	Date of completion of the search	٦.	Examiner
	MUNICH	5 November 2003		gler, H-J
	TEGORY OF CITED DOCUMENTS	T : theory or principle E : earlier patent doc	ıment, but publis	
Y∶parti	cularly relevant if taken alone cularly relevant if combined with anoti	after the filing date ner D : document cited in	the application	
A:tech	ment of the same category nological background			
	written disclosure	& : member of the sai	me natent family	correctonding

EPO FORM 1503 03.82 (P04C01)

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

EP 02 38 0195

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.

05-11-2003

Patent docume cited in search re		Publication date		Patent family member(s)	Publication date
EP 0369922	A	23-05-1990	ES AT DE DE EP ES GR PT	2011681 A6 149671 T 68927819 D1 68927819 T2 0369922 A2 2098228 T3 3023477 T3 91989 A ,B	01-02-1990 15-03-1990 10-04-1990 21-08-1990 23-05-1990 01-05-1990 29-08-1990 30-04-1990
US 5551345	A	03-09-1996	DE DE EP	4337680 A1 59402438 D1 0656521 A2	18-05-1999 22-05-1999 07-06-1999
US 5499582	A	19-03-1996	DE BE DE DE FR GB IT NL	2811016 C1 874835 A1 2819863 A1 2858109 A1 2568679 A1 2162621 A ,B 1164670 B 7901558 A	17-07-1986 18-11-1985 24-07-1986 02-05-1985 07-02-1986 05-02-1986 15-04-1987
US 3055300	Α	25-09-1962	NONE		
				atent Office, No. 12/82	