



(11)

EP 2 048 470 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.11.2010 Bulletin 2010/46

(51) Int Cl.:
F42B 33/02 (2006.01)

F42B 25/00 (2006.01)

(43) Date of publication A2:
15.04.2009 Bulletin 2009/16

(21) Application number: 08253316.7

(22) Date of filing: 10.10.2008

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR**

Designated Extension States:
AL BA MK RS

(30) Priority: 12.10.2007 GB 0719982

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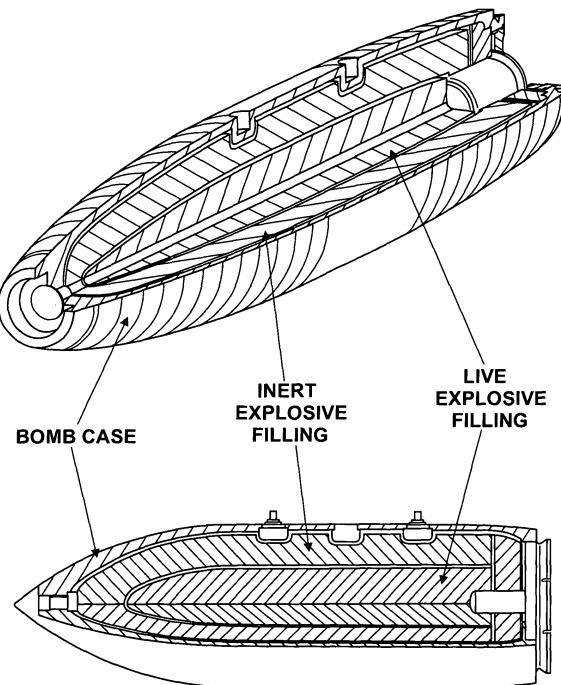
(54) A bomb, bomb explosive filling and a method of filling a bomb

(57) A bomb explosive filling comprising a charge of explosive and a charge of an inert material.

By varying the ratio of an inert material to an explosive filling in the same bomb, it is possible to provide the

end user with a selection of weapons effects whilst retaining typically the same bomb case and requiring no further military aircraft integration.

A method of filling a bomb using such a charge is also disclosed.





EUROPEAN SEARCH REPORT

Application Number
EP 08 25 3316

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP 0 431 665 A1 (EIDGENOESS MUNITIONSFAB THUN [CH]) 12 June 1991 (1991-06-12) * column 3, line 12 - line 20 * * column 4, line 25 - line 41 * * column 5, line 16 * * figure 1 * -----	1-7	INV. F42B33/02 ADD. F42B25/00
X, P	WO 2008/118235 A2 (RUHLMAN JAMES D [US]; THOMAS BLAKE K [US]) 2 October 2008 (2008-10-02) * paragraphs [0009], [0010], [0052], [0054] - [0056], [0061] - [0063], [0071] - [0073]; figures 3-7 * -----	1-5,7	
X	US 4 152 987 A (LUNDSTROM NORMAN H ET AL) 8 May 1979 (1979-05-08) * column 1, line 39 - line 68 * * column 2, line 1 - line 10 * * figure 1 * -----	1-5,7	
A	FR 2 040 791 A6 (RIECKY JOSEPH) 22 January 1971 (1971-01-22) * page 2, line 4 - line 35; figures 1-3 * -----	8	TECHNICAL FIELDS SEARCHED (IPC)
A	DE 10 2005 021758 A1 (TDW VERTEIDIGUNGSTECH WIRKSYS [DE]) 4 January 2007 (2007-01-04) * paragraph [0022]; figures 2a,2b * -----	8	F42B
The present search report has been drawn up for all claims			
2	Place of search The Hague	Date of completion of the search 7 October 2010	Examiner Seide, Stephan
EPO FORM 1503/03 02 (P04C01) 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			

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

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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.

07-10-2010

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0431665	A1	12-06-1991	CH FI NO US	680750 A5 905767 A 905251 A 5115707 A		30-10-1992 07-06-1991 07-06-1991 26-05-1992
WO 2008118235	A2	02-10-2008	EP	2100088 A2		16-09-2009
US 4152987	A	08-05-1979		NONE		
FR 2040791	A6	22-01-1971		NONE		
DE 102005021758	A1	04-01-2007		NONE		