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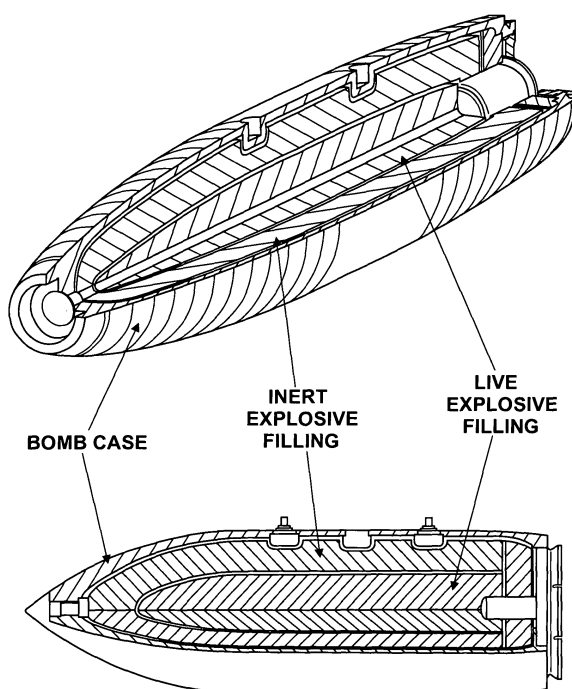
(54) **A bomb, bomb explosive filling and a method of filling a bomb**

(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			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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) F42B
A	DE 10 2005 021758 A1 (TDW VERTEIDIGUNGSTECH WIRKSYS [DE]) 4 January 2007 (2007-01-04) * paragraph [0022]; figures 2a,2b *	8	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 October 2010	Examiner Seide, Stephan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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

EP 08 25 3316

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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07-10-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0431665	A1	12-06-1991	CH 680750 A5 30-10-1992
			FI 905767 A 07-06-1991
			NO 905251 A 07-06-1991
			US 5115707 A 26-05-1992
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WO 2008118235	A2	02-10-2008	EP 2100088 A2 16-09-2009
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US 4152987	A	08-05-1979	NONE
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FR 2040791	A6	22-01-1971	NONE
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DE 102005021758	A1	04-01-2007	NONE
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82