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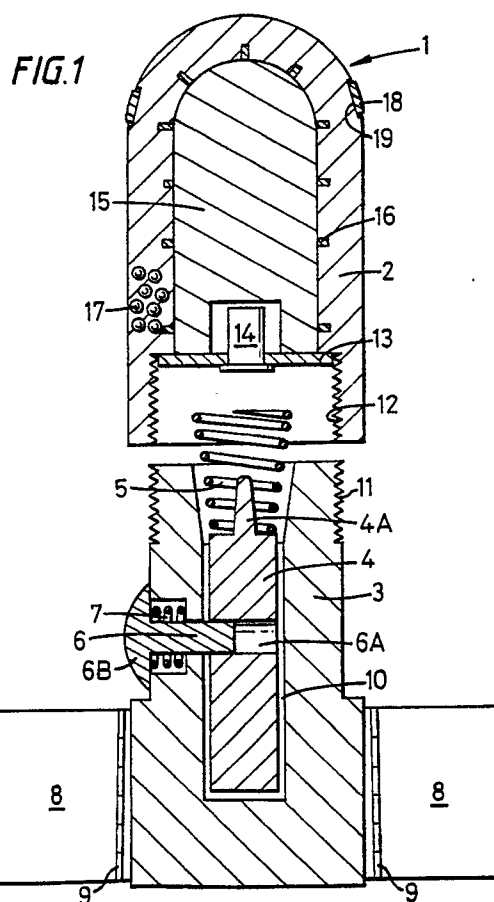
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⑤④ Projectile for smooth bore weapon.

(57) The invention provides a projectile (1) adapted to be fired from a weapon, preferably from a cartridge with a propellant charge therein, wherein the projectile (1) comprises a generally cylindrical casing (3) and a warhead assembly (2), said warhead being hollow to accommodate an explosive charge (15) and an initiator (14), the casing being formed with a firing pin (4) spring biased (5) to a safety position and locked in safety position by a spring biased safety pin (6), wherein the spring biased safety pin is adapted to release on exit from the weapon, and wherein said casing includes a plurality of fins (8) foldable within the cartridge, but which deploy radially on leaving the weapon.

The invention allows the projectile to be fired from a smooth bore weapon, such as a shotgun.

The invention also provides an arming time delay mechanism to ensure that the projectile is only armed when at a safe distance from the operator.





EP 89309902.8

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.)
A	<u>DE - A1 - 3 304 393</u> (MANFRED R. ROSENBERGER) * Page 4, last paragraph - page 5, first paragraph; page 8, last paragraph - page 10; fig. 1,2,6,7 * --	3,4	F 42 B 10/16 F 42 B 7/10 F 42 C 15/21
A	<u>GB - A - 1 409 940</u> (FABRIQUE NATIONAL HERSTAL) * Totality * --	7,10, 12	
D,A	<u>DE - A1 - 3 033 061</u> (DYNAMIT-NOBEL AG) * Totality * --	1,7,12	
A	<u>GB - A - 1 527 971</u> (MESSERSCHMITT-BÖLKOW-BLOHM) * Totality * --	1,3,5	
A	<u>US - A - 4 611 540</u> (PETTERSON et al.) * Totality * --	1,2,3	
A	<u>GB - A - 2 150 673</u> (OREGON ETABLISSEMENT FÜR PATENTVERWERTUNG) * Page 2, line 3 - page 3, line 64; fig. 1,2 * ----	7,10	F 42 B 7/00 F 42 B 8/00 F 42 B 10/00 F 42 C 1/00 F 42 C 15/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 12-09-1990	Examiner KALANDRA
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	