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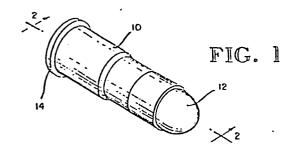
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(54) Plastic casing cartridge.

(57) A cartridge has a one-piece reusable plastic casing that fits over a metal or plastic end cap and holds a bullet. The bullet end of the casing is provided with a ring or a plurality of rings or with a pronounced radially inward taper to engage corresponding surfaces on the bullet so that the bullet may snap into the casing. The bullet end of the casing is radially expansible to allow release of the bullet upon detonation of the powder in the cartridge. The plastic casing is provided with an end cap sealing flange generally being an axially thin, radially inwardly extending flange which fits snugly against the end cap of the cartridge. The flange is thick enough to withstand the high gas pressures upon firing of the powder, but is thin and flexible enough to elastically deform to produce a tight elastic seal against escape of the high-pressure gases around the end cap. The seal may be achieved, also, with a thick, rigid flange and a compressible gasket.





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EUROPEAN SEARCH REPORT

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Application number

EP 84 10 7884

		SIDERED TO BE RELEVAN	T] '
Category	Citation of document of re	with indication, where appropriate, elevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI. 3)
ζ	* Figure 1; pag	(WAGNER et al.) Te 2; page 3, para- page 4, lines 15-19 *	1	F 42 B 5/30
ζ		 (WHIPPLE et al.) e 2, lines 94-128; 15-47 *	1,2,7	
ζ	FR-A- 2 141 742 * Figure 1 *	(BOFORS)	1,2	
1	US-A- 3 026 802 * Figure 1 *	(BARNET et al.)		
	 -		1,2	TECHNICAL FIELDS SEARCHED (Int. Ci. 3) F 42 B
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Place of search Date of completion of the search				Examiner
The Hague 24-10-1985 CATEGORY OF CITED DOCUMENTS T: theory or principle under				FISCHER G.
Y : partii docu A : techr D : non-i	cularly relevant if taken alone cularly relevant if combined w ment of the same category lological background written disclosure mediate document	after the filing ith another D: document cite L: document cite	document, bit date and the application of the application of the re	ut published on, or



	CLAIMS INCURRING FEES				
The present European patent application comprised at the time of filing more than ten claims.					
I		All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.			
1		Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,			
		namely claims:			
	П	No claims fees have been paid within the prescribed time limit. The present European search report has been			
	drawn up for the first ten claims.				
X LACK OF UNITY OF INVENTION					
•		Division considers that the present European patent application does not comply with the requirement of unity of			
i	ention and nely:	d relates to several inventions or groups of inventions,			
		Claims 1-7: End cap seal in a plastic casing			
	2	Claims 8-12: Reusable connection between bullet and casing			
		All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.			
		Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the Inventions in respect of which search fees have been paid.			
		namely claims:			
	X	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
		namely claims: 1-7			