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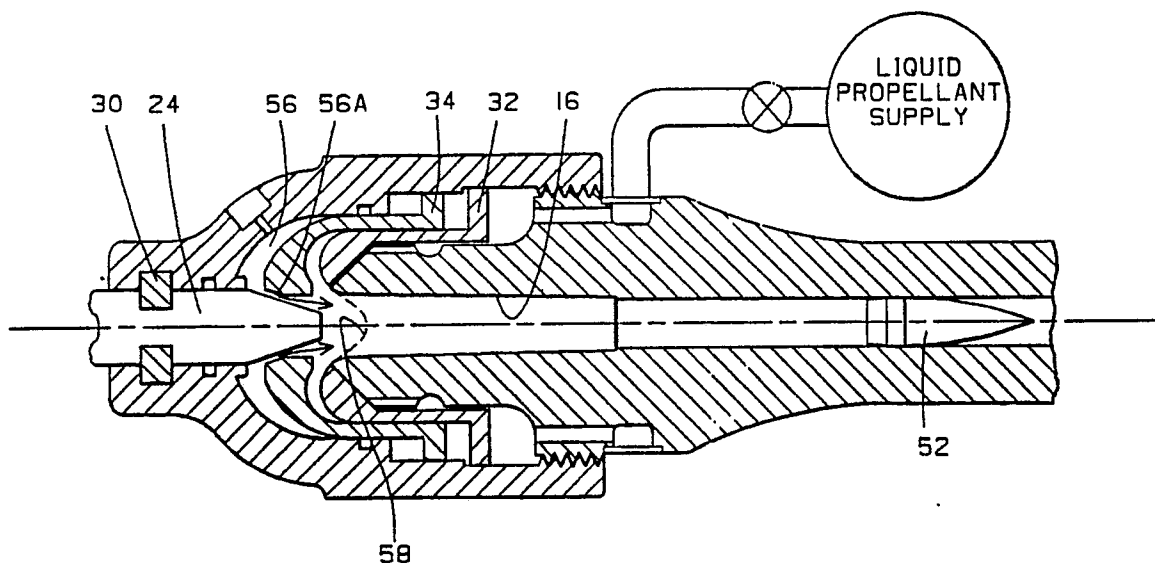
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(54) **Liquid propellant weapon system.**

(57) This invention provides a liquid propellant gun system a travelling charge (in 16) which is ignited after both such charge and the projectile (52) have

been accelerated forwardly e.g. by ignition of a stationary charge (in 56).



EP 0 321 102 A3

FIG. 10



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.4)
X	US-A-4 102 269 (ASHLEY) * Column 2, lines 47-62; figure 2 *	1,2	F 41 D 7/06
A	---	3,4	
X	US-A-4 051 762 (ASHLEY) * Column 4, lines 26-34; figures 5e-5f *	1,2	
A	---	3,4	
A	US-A-4 711 153 (BULMAN) * Column 4, line 55 - column 5, line 8; claim 5; figure 6 *	1-4,7,9 ,10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 41 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09-07-1990	Examiner DOUSKAS K.
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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ 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:
- ☐ 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

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-10: Gun system wherein the combined mass of projectile and first charge is accelerated prior to ignition.
2. Claims 11-12: Gun system comprising a cavity generator and a stationary charge of droplets of liquid propellant and gas.
3. Claims 13-16: Ammunition comprising a cartridge case and volumes of liquid propellant and solid propellant.
4. Claims: Gun system comprising an annular regenerative piston.

- ☐ 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:
- ☒ 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: 1-10