

12 EUROPEAN PATENT APPLICATION

21 Application number: 82109120.4

51 Int. Cl.³: F 42 B 13/32

22 Date of filing: 02.10.82

30 Priority: 08.10.81 SE 8105952

43 Date of publication of application:
20.04.83 Bulletin 83/16

88 Date of deferred publication of search report: 18.05.83

84 Designated Contracting States:
CH DE FR GB LI

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54 Stabilizing fin assembly for projectile.

57 Stabilizing fin assembly for projectile (2) designed to be discharged from a barrel (1) by means of propellant charge gases from a propellant charge (5). During their passage through the barrel the fins (8) are in the retracted, on-edge position, and arranged to be extended when the projectile (2) leaves the barrel (1). With the fins in the retracted position the space (13) between the fins (8) is at least partially open to the rear during passage through the barrel, so that the propellant charge gases have access to the said space (13). The space (13) is exhausted of propellant charge gases when the projectile leaves the barrel (1), and the propellant charge gases as they rush out pass along the guide surfaces of the fins (8), causing a frictional force which jerks the fins (8) to the extended position. In some embodiments the guidance mechanism is also provided with a further space (11, 18, 18a) under the edge (12) of the fins (8), which during passage through the barrel is filled with propellant charge gases which exert an extra extending force against the edge (12) of the fins (8).

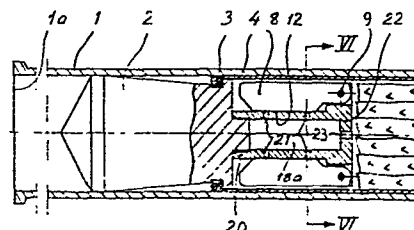


FIG. 3



European Patent
Office

EUROPEAN SEARCH REPORT

0076990

Application number

EP 82 10 9120

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. ³)
A	--- DE-A-2 721 536 (KURT BRUNSCH) *Claim 1; figure 1*	1	F 42 B 13/32
A	--- US-A-1 405 276 (CAREAGA) *The whole document*	1	
A	--- US-A-3 589 645 (HAGLUND et al.) *Abstract; figures 1,5* -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			F 42 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-02-1983	Examiner WETZEL H.
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			