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(54) Firing lock with safety system for self loading fire arms.

(57) A self loading pistol type firearm has a reciprocating breech block slide carrying an inertia-operated firing pin (S) and striker (GG). The pistol has a frame containing a firing lock comprising a hammer (J), a sear (K), trigger (G), trigger bar (H), firing pin lifter (LL), ejector (L), hammer mainspring (ZA), and strut (BB), sear and ejector spring and a safety catch (HH). The fire arm has a firing pin (S) which is held securely locked in the slide and has no free passage forward until the trigger (G) is pressed deliberately fully to the rear to discharge the fire arm. The firing pin safety system allows the user to release the hammer (J) from a cocked to uncocked position by operating the safety catch with there being no danger of discharging the chambered cartridge. The firing pin (S) is itself engageable with a detent to prevent firing operation and the hammer (J) itself can be so positioned as to hold the firing pin in engagement with the detent.

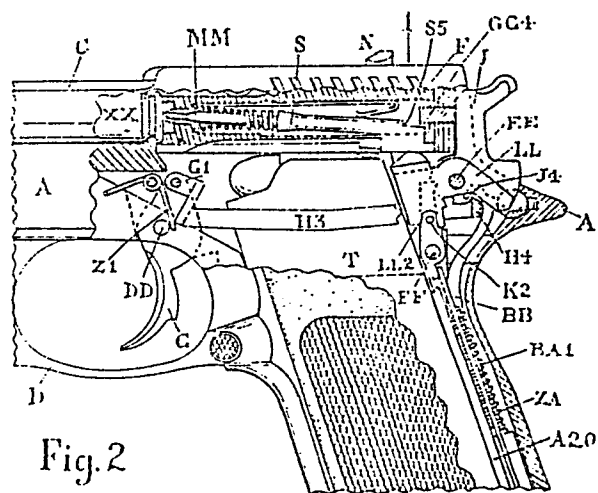


Fig.2



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)
A	CH-A- 338 381 (METALLGESELLSCHAFT) * Page 1, lines 37-58; page 2, lines 14-25; figures 1,2 *	1,3-7	F 41 C 17/04 F 41 C 19/00
A	FR-A-2 254 772 (WALTHER) * Page 2, lines 8-37; page 3, lines 1-6; figures 1-4 *	1,3-7	
A	GB-A-2 038 458 (WALTHER) * Whole document *	1,3-7	
A	US-A-2 098 562 (BROWNING) * Page 2, left-hand column, lines 41-75, right-hand column, lines 1-35; figure 5 *	1	
A	EP-A-0 057 733 (LLAMA) * Page 28, paragraphs 2-3; pages 29-30; figures 12,16 *	12-13	F 41 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16-02-1987	Examiner VAN DER PLAS J.M.
CATEGORY OF CITED DOCUMENTS		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	
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			