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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/10089

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(6) :F41A 17/00
 US CL :42/70.11
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 42/70.11, 70.08,70.01,66; 89/27.12; 70/298

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 5,140,766 (BROOKS) 25 August 1992, Figs. 2, 3, 4, col. 4 lines (31-56), col. 3 lines (13-36+).	1-12
Y	US, A, 3,978,603 (MURABITO) 07 September 1976, Figs. 1, 2, col. 2 lines (29-57+).	10-11
Y	US, A, 4,854,065 (FRENCH ET AL) 08 August 1989, Figs. 2, 3, 4, col. 2 lines (42-68), col. 3 lines (1-8).	9-10
X	US, A, 5,335,521 (BROOKS) 09 August 1994, Figs. 1, 2, 5, 6 col. 5 lines (22-62), col. 8 lines (25-38+).	13-19

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 10 SEPTEMBER 1996	Date of mailing of the international search report 20 DEC 1996
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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer <i>Debbie Jordan</i> CHARLES JORDAN Telephone No. (703) 305-4159
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/10089

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, A, 5,229,532 (BROOKS) 20 July 1993, Figs. 2, 3, 5 and 6, col. 2 lines (53-68), col. 5 lines (20-64), col. 6 lines (28-66+).	13-19
X	US, A, 5,408,777 (BROOKS) 25 April 1995, Figs. 2, 3, 5, 6, col. 2 lines (56-64), col. 5 lines (21-51), col. 6 lines (60-68).	13-19
Y	US, A, 5,335,521 (BROOKS) 09 August 1994, Figs. 2, 3, 5, 6 col. 2 lines (24-36+).	20-24
Y	US, A, 4,987,693 (BROOKS) 29 January 1991, Figs. 1, 4 col. 3 lines (26-39+)	20-24
A	US, A, 5,291,763 (CUISINOT) 08 March 1994, col. 3 lines (47-65), col. 4 lines (28-60+).	
A, P	US, A, 5,467,550 (MUMBLEAU) 21 November 1995, Fig. 1 col. 1 lines (29-47),	
A	US, A, 5,081,779 (PACK) 21 January 1992, Figs. 8, 9, col. 5 lines (49-66+).	
A	US, A, 3,962,809 (LEE) 15 June 1976, Figs.1, 2, 3, col. 1 lines (29-51+).	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/10089

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

I. Claims 1-18 and 20-24 are drawn for an adaptor for locking firearm and long arms classified in class 42/70.11

II. Claim 19 is drawn for a combination lock with elongated ratchet members and keys classified in class 70/298

Group I contain claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1.

The species are as follows:

1. Claims 1-13 are for an adaptor lock for a firearm
2. Claims 14-18 are for lock with ratchet member and keys
3. Claims 20-24 lock for long arm having safety mechanism