



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.10.2004 Bulletin 2004/42

(51) Int Cl.7: **F41A 3/72**, F41A 3/62,
F41A 3/64, F41A 3/86,
F41A 5/26, F41A 5/32,
F41A 7/04

(43) Date of publication A2:
27.08.2003 Bulletin 2003/35

(21) Application number: **03004142.0**

(22) Date of filing: **26.02.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT SE SI SK TR**
Designated Extension States:
AL LT LV MK RO

• **Franchini, Laura Anna**
73100 Lecce (IT)

(30) Priority: **26.02.2002 IT LE20020010**
27.02.2002 IT RN20020009

(72) Inventors:
• **Franchini, Mario**
73100 Lecce (IT)
• **Franchini, Ada Manuela**
73100 Lecce (IT)
• **Franchini, Laura Anna**
73100 Lecce (IT)

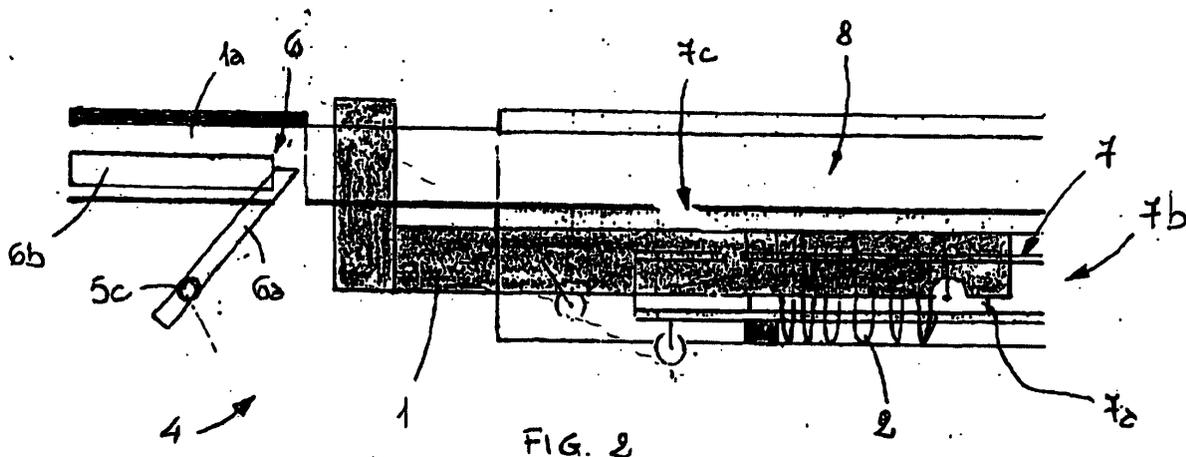
(71) Applicants:
• **Franchini, Mario**
73100 Lecce (IT)
• **Franchini, Ada Manuela**
73100 Lecce (IT)

(74) Representative: **Provvisionato, Paolo**
Provvisionato & Co S.r.l.
Piazza di Porta Mascarella 7
40126 Bologna (IT)

(54) **Automatic or semiautomatic firearm**

(57) An automatic or semiautomatic firearm comprises a slide (1) supporting at least a breech bolt (1a) and a firing pin (1b), a return spring (2) constrained to the slide (1) and able to cause the breech bolt (1a) to

move forwards again after each shot, and a trigger (3). An emergency device (4) is able to move the breech bolt (1a) and the entire slide (1) so as to ensure continued firing, even in the event of misfire.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 00 4142

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.7)
X	DE 32 01 374 A (BUERKE JOSEF DR) 4 August 1983 (1983-08-04)	1-3	F41A3/72
Y	* the whole document *	6-8	F41A3/62 F41A3/64 F41A3/86
X	DE 908 109 C (JOSEF BUERKE DR) 1 April 1954 (1954-04-01) * page 2, lines 47-75 *	1-3	F41A5/26 F41A5/32 F41A7/04
X	DE 370 275 C (ERNST HUNGER) 1 March 1923 (1923-03-01) * the whole document *	1	
X	DE 213 109 C (OLE H. KRAG) 8 September 1909 (1909-09-08) * column 1 *	1	
Y	GB 350 631 A (JOSEPH DESTREE) 18 June 1931 (1931-06-18) * page 2, lines 1-28; figure 2 *	6,7	
A	CH 251 151 A (EIDGENOESS WAFFENFAB) 15 October 1947 (1947-10-15) * the whole document *	6,7	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	DE 10 08 154 B (PAUL KURT JOHANNES GROSSFUSS) 9 May 1957 (1957-05-09) * the whole document *	6,7	F41A
Y	US 3 979 997 A (KHAIDUROV EFIM LEONTIEVICH ET AL) 14 September 1976 (1976-09-14)	8	
A	* column 1, lines 22-63; figure 1 *	9	
Y	US 6 129 000 A (SCHMID WOLFGANG) 10 October 2000 (2000-10-10) * column 6, line 56 - column 9, line 28; figures 1,3 *	10,11	
----- -/--			
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 August 2004	Examiner Ziegler, H-J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 02 (P04C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 00 4142

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.7)
Y	FR 2 723 440 A (GROTTI BERNARD) 9 February 1996 (1996-02-09) * page 1, lines 7-20 * * page 3, lines 20-25; figure 2 * -----	10,11	
A	GB 355 767 A (LUCIEN ALBERT BOUSSEL) 28 August 1931 (1931-08-28) * figures 30,31 * -----	10,11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search Munich		Date of completion of the search 10 August 2004	Examiner Ziegler, H-J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

EPO FORM 1503 03 02 (P04C01)



CLAIMS INCURRING FEES

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

- Only part of the claims 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 claim(s):

- 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.

LACK OF UNITY OF INVENTION

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

see sheet B

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

- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

- 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 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 invention first mentioned in the claims, namely claims:



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

1. claims: 1-9

Automatic firearm of comprising an emergency device for moving the breech bolt by connecting the trigger to the breech bolt.

2. claims: 10-17

Automatic weapon of the movable barrel type comprising an emergency device for moving the breech bolt by movement of a piston in a cylinder to be displaced by the action of discharge gases.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 00 4142

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-08-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3201374	A	04-08-1983	DE 3201374 A1	04-08-1983
DE 908109	C	01-04-1954	NONE	
DE 370275	C	01-03-1923	NONE	
DE 213109	C		NONE	
GB 350631	A	18-06-1931	NONE	
CH 251151	A	15-10-1947	NONE	
DE 1008154	B	09-05-1957	DE 955393 C DE 1039413 B	03-01-1957 18-09-1958
US 3979997	A	14-09-1976	AU 486241 B2 CH 594225 A5 DE 2439571 A1 FR 2283416 A1 GB 1474064 A AU 7232174 A	19-02-1976 30-12-1977 26-02-1976 26-03-1976 18-05-1977 19-02-1976
US 6129000	A	10-10-2000	AU 1189397 A WO 9719313 A1 DE 19680992 D2 DE 59605993 D1 EP 0858580 A1	11-06-1997 29-05-1997 24-12-1998 16-11-2000 19-08-1998
FR 2723440	A	09-02-1996	FR 2723440 A1	09-02-1996
GB 355767	A	28-08-1931	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82