



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 079 196 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**10.04.2002 Bulletin 2002/15**

(51) Int Cl.7: **F41A 19/15**

(43) Date of publication A2:  
**28.02.2001 Bulletin 2001/09**

(21) Application number: **00500174.8**

(22) Date of filing: **28.07.2000**

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

(71) Applicant: **Sarriugarte Aldecoa, Juan Cruz**  
**20870 Elgoibar-Guipuzcoa (ES)**

(72) Inventor: **Sarriugarte Aldecoa, Juan Cruz**  
**20870 Elgoibar-Guipuzcoa (ES)**

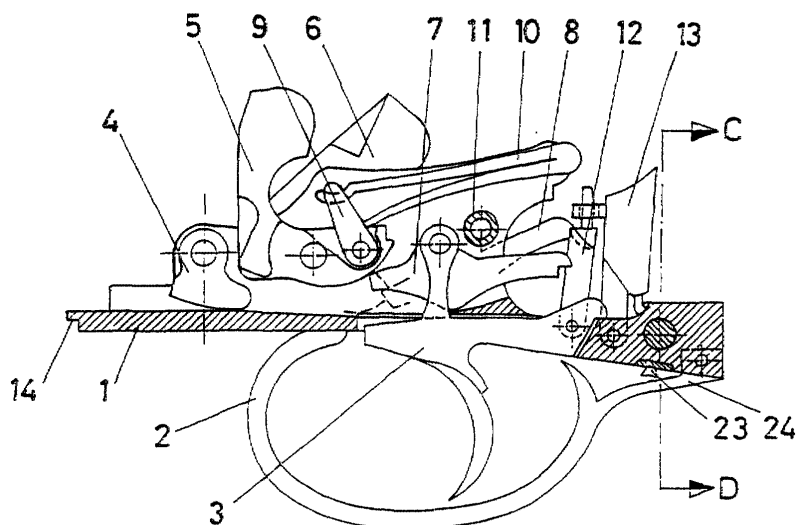
(30) Priority: **23.08.1999 ES 9901921**

(74) Representative: **Gil-Vega, Victor**  
**Estébanez Calderon, 3 - 5B**  
**28020 Madrid (ES)**

(54) **Firing mechanism for double barrelled shotguns**

(57) Based on a trigger plate (1) equipped with means for mounting upon it the firing mechanism proper, comprising the rocker (4) of the breech block, the hammers (8), the hammer rocker (9), the spring (10), the top cap (11) for the said spring, the trigger rocker (12) and the counterweight (13), it is characterised in the fact that the said trigger plate (1) has at its forward end a latch (14) which interlocks with the forward end of the housing recess in the stock of the gun for the said firing mechanism, while at its posterior end and substantially re-

cessed it incorporates a locking catch (16), which can be retracted against the tension of a spring (17), by acting on an external button (23), a catch which can be engaged in a complementary housing in the said recess in the stock of the gun, all such that the trigger plate (1) and the firing mechanism as a whole associated therewith is engaged in the recess in the stock of the gun by simple pressure and can be removed without anything more than pressing the said button (23) which is protected beneath a posterior extension (24) of the trigger guard (2) protecting the trigger (3).



**FIG.2**

EP 1 079 196 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 00 50 0174

| 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) |
| A  | US 3 710 495 A (ZIEGLER N ET AL)<br>16 January 1973 (1973-01-16)<br>* column 4, line 25-54; figures 2-5 *                     | 1  | F41A19/15                                    |
| A  | EP 0 725 257 A (BERETTA ARMI SPA)<br>7 August 1996 (1996-08-07)<br>* column 5, line 24 - column 6, line 24;<br>figures 1-6A * | 1  |  |
| A  | GB 731 093 A (E J CHURCHILL GUNMAKERS LTD)<br>1 June 1955 (1955-06-01)<br>* the whole document *                              | 1  |  |
| A  | EP 0 277 922 A (BERETTA ARMI SPA)<br>10 August 1988 (1988-08-10)<br>* column 4, line 52 - column 5, line 8;<br>figures 1-6 *  | 1  |  |
| A  | FR 1 519 013 A (M A P MANIFATTURA ARMI PERAZZI)<br>29 March 1968 (1968-03-29)<br>* the whole document *                       | 1  |  |
| A  | US 2 370 233 A (CROCKETT HARRY L)<br>27 February 1945 (1945-02-27)  |  | TECHNICAL FIELDS SEARCHED (Int.Cl.7)<br>F41A |
| The present search report has been drawn up for all claims   |   |  |  |
| Place of search<br>THE HAGUE   |   | Date of completion of the search<br>14 February 2002   | Examiner<br>Van der Plas, J                  |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |  |

EPO FORM 1503 03/82 (P04C01)

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

EP 00 50 0174

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.

14-02-2002

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| US 3710495                                | A | 16-01-1973          | DE 2004968 A1              | 12-08-1971          |
|   |   |                     | AT 313109 B                | 15-12-1973          |
|   |   |                     | BE 762533 A1               | 16-07-1971          |
|   |   |                     | CH 514116 A                | 15-10-1971          |
|   |   |                     | FR 2078165 A5              | 05-11-1971          |
| EP 0725257                                | A | 07-08-1996          | IT BS950013 A1             | 02-08-1996          |
|   |   |                     | AT 166715 T                | 15-06-1998          |
|   |   |                     | DE 69502691 D1             | 02-07-1998          |
|   |   |                     | DE 69502691 T2             | 22-10-1998          |
|   |   |                     | EP 0725257 A1              | 07-08-1996          |
|   |   |                     | IL 116105 A                | 31-01-2000          |
|   |   |                     | SI 725257 T1               | 29-02-2000          |
|   |   |                     | US 5657567 A               | 19-08-1997          |
| GB 731093                                 | A | 01-06-1955          | NONE                       |                     |
| EP 0277922                                | A | 10-08-1988          | IT 1207769 B               | 01-06-1989          |
|   |   |                     | AT 69873 T                 | 15-12-1991          |
|   |   |                     | DE 3866369 D1              | 09-01-1992          |
|   |   |                     | EP 0277922 A2              | 10-08-1988          |
|   |   |                     | ES 2029074 T3              | 16-07-1992          |
|   |   |                     | GR 3003225 T3              | 17-02-1993          |
|   |   |                     | JP 2694273 B2              | 24-12-1997          |
|   |   |                     | JP 63201500 A              | 19-08-1988          |
|   |   |                     | US 4811509 A               | 14-03-1989          |
| FR 1519013                                | A | 29-03-1968          | NONE                       |                     |
| US 2370233                                | A | 27-02-1945          | NONE                       |                     |

EPO FORM P0459

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