

Title (en)

CARTRIDGE FEEDING ASSEMBLY FOR SMOOTH-BORE GUNS WITH SEMI-AUTOMATIC OR PUMP OPERATION

Publication

**EP 0281793 B1 19920603 (EN)**

Application

**EP 88102157 A 19880214**

Priority

IT 4400987 A 19870312

Abstract (en)

[origin: EP0281793A2] The present invention relates to smooth-bore guns having a tubular magazine and an operating system either semiautomatic indifferently of the inertial type, of the gas intake type or of the recoiling barrel type, or manual pump-operated or convertible from one system to the other, relating essentially to a new cartridge feed system adapted to these types of firearms. The invention comprises a new cartridge descent lever (1) which causes the cartridges (15) to pass from the magazine tube (16) into the barrel (22), either automatically or manually. For the feeding with semiautomatic operation of the firearm, part of the energy of the spring of the hammer (18) of the firearm is used to cause the vertical rotation of the cartridge descent lever (1) so that a cartridge (15) exits from the magazine tube (16). For the feeding with manual pump operation of the firearm, the same movement is caused by the bolt (31) when it opens manually, by means of the cocking rod, for the expulsion of the case in the barrel (22). Finally, for the manual change of the cartridge (15) in the barrel (22) the same movement can be caused by the hand of the shooter which, with the finger which presses the trigger (17), finds, in an easily accessible position, a tab (44) of the cartridge descent lever (1) protruding from the lower level of the body of the firearm. In all the cases described above, the successive passage in the barrel (22) of the cartridge (15), exiting from the magazine tube (16), occurs in a conventional manner for the type of firearm considered. In the various operating systems all the movements of the new cartridge descent lever (1) are in any case synchronized and compatible with the used operation without the need for adjustments.

IPC 1-7

**F41A 9/00**

IPC 8 full level

**F41A 9/18** (2006.01); **F41A 9/00** (2006.01); **F41A 9/72** (2006.01)

CPC (source: EP)

**F41A 9/18** (2013.01)

Cited by

EP2017565A3; EP2385335A1; ITBS20100091A1; US11619458B2; WO2021096470A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

**EP 0281793 A2 19880914; EP 0281793 A3 19890405; EP 0281793 B1 19920603**; AT E76962 T1 19920615; BR 8801087 A 19881018; DE 3871556 D1 19920709; DE 3871556 T2 19930128; ES 2031540 T3 19921216; FI 881121 A0 19880310; FI 881121 A 19880913; FI 92760 B 19940915; FI 92760 C 19941227; GR 3004975 T3 19930428; IT 1210375 B 19890914; IT 8744009 A0 19870312; JP H0573999 B2 19931015; JP S63251796 A 19881019; PT 86962 A 19890330; PT 86962 B 19950301

DOCDB simple family (application)

**EP 88102157 A 19880214**; AT 88102157 T 19880214; BR 8801087 A 19880311; DE 3871556 T 19880214; ES 88102157 T 19880214; FI 881121 A 19880310; GR 920401310 T 19920618; IT 4400987 A 19870312; JP 5814288 A 19880311; PT 8696288 A 19880311