

Title (en)

Air gun with a blowback mechanism

Title (de)

Luftgewehr mit Rückstoßmechanismus

Title (fr)

Pistolet pneumatique avec mécanisme de refoulement

Publication

EP 2151660 A1 20100210 (EN)

Application

EP 08014231 A 20080808

Priority

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Abstract (en)

The structure of air guns with a conventional blowback mechanism was complicated because they had a hammer, shear, trigger bar, bullet supply nozzle, bullet supply nozzle link, etc. These members operated every time when a bullet was shot resulting in the members being readily worn, with failure often occurring as well as problems with durability. In order to solve these problems, the valve body (17) has a valve body air chamber (17a) sealed to contain the compressed gas supplied from the compressed gas source (A), and has a discharge valve (19) which can move in a longitudinal direction. The discharge valve (19) has a valve through hole (190) that passes completely from the muzzle to the gun rear end direction, and a gas supply port (19b) that can open and close the valve body air chamber (17a) and valve through hole (190) by the movement of the discharge valve (19) in the longitudinal direction. Retreat of the inner barrel (5) opens the gas supply port (19b) of the discharge valve (19) to shoot a bullet (W) and perform blowback.

IPC 8 full level

F41B 11/32 (2006.01); **F41B 11/72** (2013.01)

CPC (source: EP)

F41B 11/723 (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

DE FR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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