

Title (en)
Air gun

Title (de)
Gasdruckwaffe

Title (fr)
Arme à air comprimé

Publication
EP 1677066 B1 20081022 (EN)

Application
EP 05000073 A 20050104

Priority
EP 05000073 A 20050104

Abstract (en)
[origin: EP1677066A1] The object of the present invention is to improve shooting precision by causing a bullet to be fired before retreating of the slide (3) commences, which is a problem in related art 3. An air gun (1) of the present invention comprises; a slide (3), a barrel (2), a cylinder portion (8), a hit pin (9), a hollow valve pin chamber (30), a valve body (28), a gas feeding port (C), a valve pin (39), a pressing section (42), a bullet feed nozzle link (32) connected to a trigger (23); and a bullet feed nozzle (36), when the hit pin (9) is pressed to the muzzle (D) side and made to slide to the muzzle (D) side, the valve pin (39) slide to the muzzle (D) side against urging force to release an airtight state between the valve pin flange section (43) and the side surface of the valve pin chamber (30) on its gun rear end side, compressed gas supplied to the valve pin chamber (30) from the gas feeding port (C) is supplied from between the side surface of the valve pin chamber on its gun rear end side and the valve pin flange section (43) to the valve pin chamber (30) side opening, and a bullet (W) is fired from the muzzle (D) by passing compressed gas through the bullet feed nozzle insertion (41) section and supplying to the muzzle (D) side of the bullet nozzle (36), and compressed gas supplied from the valve pin chamber side opening is supplied from a clearance between the pressing section (42) and through holes into which the pressing section (42) is inserted to the gun rear end side to cause the cylinder section (8) to move to the gun rear end side.

IPC 8 full level
F41B 11/72 (2013.01)

CPC (source: EP)
F41B 11/723 (2013.01)

Cited by
EP2383536A1; US8161957B2; US7950381B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1677066 A1 20060705; EP 1677066 B1 20081022; DE 602005010534 D1 20081204; TW 200624765 A 20060716; TW I270652 B 20070111

DOCDB simple family (application)
EP 05000073 A 20050104; DE 602005010534 T 20050104; TW 94144557 A 20051215