

Title (en)

AIR GUN AND NUMBER-OF-SHOTS CHANGE CONTROL METHOD

Title (de)

LUFTGEWEHR UND VERFAHREN ZUM STEUERN DES WECHSELS DER SCHUSSANZAHL

Title (fr)

ARME A AIR COMPRIME ET PROCEDE DE COMMANDE DE MODIFICATION DU NOMBRE DE COUPS

Publication

EP 1701128 A1 20060913 (EN)

Application

EP 03768364 A 20031226

Priority

JP 0317054 W 20031226

Abstract (en)

This invention relates to electronic control of an air gun in the form of a model gun, and in a repeating mode operation is capable of easily controlling the number of shots, and furthermore is capable of easily switching among single-shot mode, repeating mode and N-shot mode. Also, it is possible to always stop the shooting operation at a specified position. The present invention is an air gun comprising: a single-shot mode shooting operation that starts when a trigger switch is switched ON, and stops when a reference position is detected; a repeating mode shooting operation that performs the shooting operation continuously when the trigger switch is switched ON, and stops the shooting operation when reference position is detected; an N-shot mode shooting operation that performs the shooting operation only N time when the trigger switch is switched ON, and stops the shooting operation when the reference position is detected; and a switching means for selecting and operating any one from among the single-shot mode, repeating mode and N-shot mode operation.

IPC 8 full level

F41A 19/66 (2006.01); **F41B 11/00** (2006.01); **F41B 11/02** (2006.01); **F41B 11/14** (2006.01); **F41B 11/18** (2006.01); **F41B 11/55** (2013.01);
F41B 11/57 (2013.01); **F41B 11/642** (2013.01); **F41B 11/646** (2013.01)

CPC (source: EP US)

F41A 19/66 (2013.01 - EP US); **F41B 11/55** (2013.01 - EP US); **F41B 11/57** (2013.01 - EP); **F41B 11/642** (2013.01 - EP US);
F41B 11/646 (2013.01 - EP US); **F41B 11/71** (2013.01 - EP US)

Citation (search report)

See references of WO 2005066575A1

Cited by

EP2698594A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1701128 A1 20060913; AU 2003292714 A1 20050812; JP WO2005066575 A1 20070726; US 2006231083 A1 20061019;
WO 2005066575 A1 20050721

DOCDB simple family (application)

EP 03768364 A 20031226; AU 2003292714 A 20031226; JP 0317054 W 20031226; JP 2005513105 A 20031226; US 42635706 A 20060626