

Title (en)

Electric toy gun with an improved power break control mechanism

Title (de)

Spielzeug-Elektropistole mit verbessertem Leistungsunterbrechungs-Steuerungsmechanismus

Title (fr)

Pistolet électrique jouet doté d'un mécanisme amélioré de commande de disjoncteur d'alimentation

Publication

EP 2390614 B1 20130306 (EN)

Application

EP 10164000 A 20100527

Priority

EP 10164000 A 20100527

Abstract (en)

[origin: EP2390614A1] An electric toy gun having therein a power break control mechanism (A) consisting of an actuator (1), a power break control set (2) and a swinging block (3) for breaking off power supply upon triggering of the trigger (E) when the clip (F) is empty. When the clip (F) is empty and when the trigger (E) is pressed, the actuator (1) is forced by a spring-loaded push rod (F2) at the bullet outlet (F1) of the clip (F) to move the swinging block (3) and the power break control set (2), causing a power break holder (C) to be moved away from a power contact holder (D), and therefore power supply is disconnected, avoiding waste of power supply and component damage.

IPC 8 full level

F41B 11/646 (2013.01); **F41A 17/40** (2006.01); **F41B 11/00** (2006.01); **F41B 11/57** (2013.01)

CPC (source: EP US)

F41A 17/36 (2013.01 - EP); **F41B 7/003** (2013.01 - EP); **F41B 11/55** (2013.01 - EP); **F41B 11/57** (2013.01 - EP); **F41B 11/646** (2013.01 - EP); **F41B 11/71** (2013.01 - EP US)

Cited by

EP3015812A1; EP2930458A1; CN104165549A; GB2598906A; GB2598906B; EP2803937A2; EP3686543A4; EP3686544A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2390614 A1 20111130; **EP 2390614 B1 20130306**; DK 2390614 T3 20130422; HK 1160212 A1 20120810

DOCDB simple family (application)

EP 10164000 A 20100527; DK 10164000 T 20100527; HK 12100335 A 20120111