

Title (en)

Gun bolt transmission mechanism for electric toy gun

Title (de)

Schussbolzenübertragungsmechanismus für elektrische Spielzeugpistole

Title (fr)

Mécanisme de transmission de culasse de pistolet pour pistolet électrique jouet

Publication

EP 2395313 A1 20111214 (EN)

Application

EP 10165481 A 20100610

Priority

EP 10165481 A 20100610

Abstract (en)

A gun bolt transmission mechanism (A) used in an electric toy gun is disclosed to include a driving member (4) pivotally mounted in the gun body (B) of the electric toy gun at one side of a bolt body (3) that accommodates a piston set (2), and a push rod (112) located on a gear set (1) for moving the driving member (4) to push the bolt body (3) backwards during rotation of the gear set (1) and for enabling the bolt body (3) to be returned after rotation of the gear set (1) through a predetermined angle to disengage the push rod (112) from the driving member (4). Thus, the bolt body (3) simulates the motion of a real gun and the movement of the piston set (2) does not interfere with the movement of the bolt body (3).

IPC 8 full level

F41B 11/642 (2013.01); **F41B 11/646** (2013.01)

CPC (source: EP)

F41B 11/642 (2013.01); **F41B 11/646** (2013.01)

Citation (applicant)

TW 343786 B

Citation (search report)

- [A] EP 2096400 A2 20090902 - YICK FUNG IND INTERNAT LTD [CN]
- [A] US 2010065032 A1 20100318 - YANG CHUNG-KUAN [TW]
- [A] US 2010022160 A1 20100128 - LEE YI-JUNG [TW], et al
- [A] US 2007261689 A1 20071115 - TAI CHIAO-CHIH [TW], et al

Cited by

TWI608216B

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

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2395313 A1 20111214; EP 2395313 B1 20120711; DK 2395313 T3 20121015; HK 1160211 A1 20120810

DOCDB simple family (application)

EP 10165481 A 20100610; DK 10165481 T 20100610; HK 12100334 A 20120111