

Title (en)
Electric toy gun

Title (de)
Elektrische Spielzeugpistole

Title (fr)
pistolet de jeu électrique

Publication
EP 2899490 A1 20150729 (EN)

Application
EP 14168638 A 20140516

Priority
TW 103103077 A 20140128

Abstract (en)
An electric toy gun structure includes a casing (1) having a room (12) therein and a rear end with a through hole (14) communicating with the room (12); a firing mechanism (2) disposed in the room (12), the firing mechanism (2) having a piston (22) corresponding to the through hole (14); a guide pipe (4) coupled at the rear end (13) of the casing (1) and communicating with the through hole (14); a hit rod (5) movably disposed in the guide pipe (4), the hit rod (5) having a first end (51) and a second end (52), the first end (51) passing through the through hole (14) and being located in the room (12), the second end (52) being coupled with a weight (53), a first elastic member (6) disposed in the room (12), one end being against the piston (22) and the other end being against the hit rod (5); and a second elastic member (7) disposed in the guide pipe (4), one end being against the casing (1) and the other end being against the weight (53).

IPC 8 full level
F41A 33/06 (2006.01); **F41B 11/644** (2013.01)

CPC (source: EP)
F41A 33/06 (2013.01); **F41B 11/644** (2013.01)

Citation (applicant)
• US 8585407 B2 20131119 - HU SHIH-CHE [TW]
• US 7694448 B2 20100413 - IWASAWA TATSUO [JP]
• US 2012138038 A1 20120607 - LEE TSUNG-MING [TW]

Citation (search report)
• [AD] US 2012138038 A1 20120607 - LEE TSUNG-MING [TW]
• [A] EP 2388547 A2 20111123 - YIH KAI ENTPR CO LTD [TW]
• [A] US 2007261689 A1 20071115 - TAI CHIAO-CHIH [TW], et al

Cited by
US2017184372A1; US10767959B2; US10641579B2

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2899490 A1 20150729; EP 2899490 B1 20161207; TW 201530089 A 20150801; TW I530668 B 20160421

DOCDB simple family (application)
EP 14168638 A 20140516; TW 103103077 A 20140128