

Title (en)

Toy gun having fire-control assembly

Title (de)

Spielzeugpistole mit Feuersteuerungsanordnung

Title (fr)

Pistolet-jouet doté d'un ensemble de commande de tir

Publication

EP 2698594 A1 20140219 (EN)

Application

EP 12180592 A 20120816

Priority

EP 12180592 A 20120816

Abstract (en)

The toy gun 1 contains a power element 14 electrically connected with a driver element 15 and an electronic fire-control assembly 2. The electronic fire-control assembly 2 turns on or off the driver element 15, which in turn engages or disengages a gear set 16. When a trigger is pulled 11, the electronic fire-control assembly 2 controls the power element 14 to provide electricity to the driver element 15 which in turn engages the gear set 16 to conduct firing. The electronic fire-control assembly 2 incorporates a magazine detection module 23, a shot selection module 24, and a trigger on/off module 25. When one of the functions breaks down, a user just replaces the electronic fire-control assembly 2, instead of spending time and effort to inspect, disassemble, and re-assemble the toy gun.

IPC 8 full level

F41B 11/71 (2013.01)

CPC (source: EP)

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Citation (search report)

- [X] EP 1701128 A1 20060913 - TSURUMOTO KOICHI [JP]
- [I] US 2009253103 A1 20091008 - HOGAN JR RICHARD RUSSELL [US]
- [I] GB 2466923 A 20100714 - SHENG CHIH-SHENG [TW]

Cited by

ITTO20130817A1; EP2860485A1

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 2698594 A1 20140219; EP 2698594 B1 20160323; DK 2698594 T3 20160620; ES 2573519 T3 20160608; PL 2698594 T3 20160930

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