

Title (en)

Airsoft gun having a control circuit and method for retrofitting

Title (de)

Softairwaffe mit Steuerkreis und Nachrüstverfahren

Title (fr)

Réplique d'airsoft avec un circuit de commande et procédé de rétrofitage

Publication

EP 2860485 A1 20150415 (EN)

Application

EP 14188379 A 20141009

Priority

IT TO20130817 A 20131009

Abstract (en)

A simulated weapon comprising a spring compressor (2) for generating a compressed air flow, a movable positioning device (3) for loading a pellet (4) in a shot chamber (5) which receives the compressed air generated by the spring compressor (2), an actuator (6) for controlling the spring compressor (2) and the positioning device (3), a magazine (7) for feeding the shot chamber (5) with pellets (4) and a trigger (8), the simulated weapon further comprising a first sensor (23; 40) for detecting a status of the trigger (8) and at least a second sensor (24; 25) for detecting the connection of the magazine (7) so that the pellets (4) are fed into the shot chamber (5) or that the magazine (7) should be replaced, and an electric or electronic control device (22) configured to prevent the activation of the actuator (6) by means of the trigger (8) if the magazine (7) is not connected so as to feed the pellets (4) and/or if the magazine (7) is to be replaced.

IPC 8 full level

F41B 11/71 (2013.01); **F41B 11/57** (2013.01); **F41A 17/36** (2006.01); **F41B 11/642** (2013.01)

CPC (source: EP US)

F41B 11/57 (2013.01 - EP US); **F41B 11/71** (2013.01 - EP); **F41A 17/36** (2013.01 - EP); **F41B 11/642** (2013.01 - EP)

Citation (applicant)

- US 2007000483 A1 20070104 - TSURUMOTO KOICHI [JP]
- EP 2698594 A1 20140219 - GUAY GUAY TRADING CO LTD [TW]

Citation (search report)

- [XI] BG 110343 A 20090731 - PEEV VLADIMIR [BG], et al
- [XYI] US 2007000483 A1 20070104 - TSURUMOTO KOICHI [JP]
- [Y] US 2009253103 A1 20091008 - HOGAN JR RICHARD RUSSELL [US]
- [XI] HK 1167229 A2 20121123 - GUAY GUAY TRADING CO LTD & EP 2698594 A1 20140219 - GUAY GUAY TRADING CO LTD [TW]

Cited by

FR3064736A1; DE102018104496A1

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 2860485 A1 20150415; **EP 2860485 A8 20150624**; **EP 2860485 B1 20180808**; IT TO20130817 A1 20150410; PL 2860485 T3 20190228

DOCDB simple family (application)

EP 14188379 A 20141009; IT TO20130817 A 20131009; PL 14188379 T 20141009