

Title (en)

Sensing device of true-simulating bullet magazine

Title (de)

Sensierungsvorrichtung eines simulierten Patronenmagazins

Title (fr)

Dispositif de détection de magasin de balles en simulation

Publication

**EP 3015812 A1 20160504 (EN)**

Application

**EP 14190406 A 20141027**

Priority

EP 14190406 A 20141027

Abstract (en)

A sensing device of a true-simulating bullet magazine is disclosed. When a bullet driving element (4, 4a, 4b) forward advance bullets, position of a movable guide bar (2, 2a) is controlled so that when the bullets are used up or a bullet magazine get loosened, an activation element (3, 3a) arranged at one end of the movable guide bar (2, 2a) is triggered to cut off power supply required for a firing operation of a toy gun. As such, without modifying the toy gun and the outside appearance of a true-simulating bullet magazine, a simple structure is provided to prevent firing of the toy gun under a condition of no bullet loaded so as to reduce the potential risk of damaging internal mechanisms of the toy gun and to achieve an effect of simulation of a real gun.

IPC 8 full level

**F41A 17/36** (2006.01); **F41B 11/55** (2013.01); **F41B 11/71** (2013.01)

CPC (source: EP)

**F41A 17/36** (2013.01); **F41B 11/55** (2013.01); **F41B 11/71** (2013.01)

Citation (search report)

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- [X] EP 2388548 A2 20111123 - YIH KAI ENTPR CO LTD [TW]
- [A] US 2007000483 A1 20070104 - TSURUMOTO KOICHI [JP]
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Cited by

JP2021050856A; JPWO2019058525A1; JPWO2019058526A1; TWI801406B; WO2019058525A1; WO2019058526A1

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)

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