

Title (en)

Electronic firing rate controller for remote operation of an automatic firing weapon

Title (de)

Elektronisches Schusskadenzkontrollgerät zur Fernbedienung einer automatischen Feuerwaffe

Title (fr)

Dispositif de commande électronique de cadance de tir pour opération à distance d'une arme à feu automatique

Publication

EP 2208958 A2 20100721 (EN)

Application

EP 10150815 A 20100115

Priority

- NO 20090261 A 20090116
- US 35546109 A 20090116

Abstract (en)

An electronic apparatus for controlling a firing rate of an automatic firing weapon having an actuator (SDRV) adapted to operate a trigger mechanism of said weapon, said weapon exhibiting a natural free-running firing rate when triggered. The apparatus comprises an output driver means (MMV1) adapted to provide a drive signal (Q1) for said actuator (SDRV), a first single pulse generator (AMV1) means having a single pulse output (5) coupled to an input of the driver means (MMV1) and adapted to generate a single pulse of a duration shorter than a time period of said natural free-running firing rate in response to a single pulse generator means input, and a pulse train generator means (MMV2) having a single pulse output (Q3) coupled to an input of said first single pulse generator means and adapted to provide to the first single pulse generator means (AMV1) a train of pulses spaced in time a spacing period exceeding said time period of said natural free-running firing rate in response to a pulse train generator means (MMV2) input.

IPC 8 full level

F41A 19/66 (2006.01); **F41A 19/59** (2006.01); **F41A 19/67** (2006.01)

CPC (source: EP)

F41A 19/59 (2013.01); **F41A 19/66** (2013.01); **F41A 19/67** (2013.01)

Citation (applicant)

- US 3748960 A 19730731 - MINDEL G
- US 3451307 A 19690624 - GRUNDBERG KENNETH
- US 6976416 B2 20051220 - EALOVEGA GEORGE D [US]
- US 2002179077 A1 20021205 - JUAN CHIH-CHEN [TW]
- US 4510844 A 19850416 - FRITZ RAIMUND [DE], et al

Cited by

US10845148B2; EP3350534B1; EP3350535B1

Designated contracting state (EPC)

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)

AL BA RS

DOCDB simple family (publication)

EP 2208958 A2 20100721; **EP 2208958 A3 20140416**; **EP 2208958 B1 20171227**; AU 2010200131 A1 20100805; AU 2010200131 B2 20141106; CA 2689894 A1 20100716; CA 2689894 C 20160412; DK 2208958 T3 20180319; PL 2208958 T3 20180629; SG 163491 A1 20100830

DOCDB simple family (application)

EP 10150815 A 20100115; AU 2010200131 A 20100113; CA 2689894 A 20100108; DK 10150815 T 20100115; PL 10150815 T 20100115; SG 2010002186 A 20100113