

Title (en)

Remotely controlled apparatus to fire a projectile.

Title (de)

Ferngesteuerte Vorrichtung zum Feuern eines Geschosses.

Title (fr)

Dispositif de commande à distance de la mise à feu d'un projectile.

Publication

**EP 0283386 A1 19880921 (FR)**

Application

**EP 88400558 A 19880310**

Priority

FR 8703619 A 19870317

Abstract (en)

1. A device intended to remotely control the detonation of a projectile (2) fired by a weapon (1) and comprising, on the one hand, a transmitter (3) connected to a fire control unit (6) and sending a programming signal (5) to the projectile (2), this signal carrying the delay-time information and, on the other hand, a receiver (4) incorporated into the projectile, designed to process said information and to detonate said projectile, said receiver comprising a shaping element (10) which changes the programming signal into a command signal consisting of a series of pulses, and a counter, called counter-analyser (23), intended to count the oscillations supplied by a clock (14), the number of oscillations counted between two successive pulses of the command signal constituting an image of the delay period which is used for detonating the projectile, a device characterized in that the programming signal (5) carries several successive items of delay-time information having decreasing values taking into account the distance covered by the projectile (2) between the reception of each item of information, and the receiver (4) includes a comparator, called comparator-validator (29), capable of comparing the number of oscillations counted by the counter-analyser (23) between two successive pulses of the command signal to a reference value and capable of resetting the counter-analyser (23) if this reference value is smaller than the counted value.

Abstract (fr)

L'invention a pour objet un dispositif de commande à distance de la mise à feu d'un projectile. Il comporte un émetteur (3) envoyant un signal de programmation vers le projectile (2) et un récepteur (4) intégré au projectile, le signal de programmation porte plusieurs informations de temporisation ayant de valeurs décroissantes tenant compte de la distance parcourue par le projectile. Application au tir en rafale de projectiles à partir d'un système d'arme.

IPC 1-7

**F42C 17/00**; **F42C 13/02**

IPC 8 full level

**F42C 13/02** (2006.01); **F42C 17/04** (2006.01)

CPC (source: EP)

**F42C 13/026** (2013.01); **F42C 17/04** (2013.01)

Citation (search report)

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