

Title (en)
REMOTELY CONTROLLED APPARATUS TO FIRE A PROJECTILE

Publication
EP 0283386 B1 19901017 (FR)

Application
EP 88400558 A 19880310

Priority
FR 8703619 A 19870317

Abstract (en)
[origin: EP0283386A1] 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.

IPC 1-7
F42C 13/02; F42C 17/00

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)

Cited by
US6823767B2; EP2191226A4; WO9515476A1; EP3417234B1

Designated contracting state (EPC)
BE CH DE GB IT LI SE

DOCDB simple family (publication)
EP 0283386 A1 19880921; EP 0283386 B1 19901017; DE 3860806 D1 19901122; FR 2612622 A1 19880923; FR 2612622 B1 19920417

DOCDB simple family (application)
EP 88400558 A 19880310; DE 3860806 T 19880310; FR 8703619 A 19870317