

Title (en)

Target range status indicator and controller.

Title (de)

Signal- und Überwachungsanlage für Schiessstände.

Title (fr)

Installation de signalisation et de contrôle pour cibles.

Publication

EP 0072004 A2 19830216 (EN)

Application

EP 82107145 A 19820806

Priority

US 29179081 A 19810810

Abstract (en)

Disclosed is an apparatus for indicating on a video display unit (22) the status of a plurality of targets (10) on a target range system and for controlling the operation thereof. In a preferred embodiment, the video display unit (22) comprises a variable image display unit which can be a cathode ray tube (CRT) which is responsive to a computer processing unit (CPU) (40) which sequentially and periodically interrogates each target mechanism (38) to determine its functional status and whether it has been <<hit>>. This information can be displayed in many different formats although in a preferred embodiment, a number of banks and lanes of targets are provided on the CRT which correspond to the bank and lanes of targets as laid out on the range. Further, the total hits for all targets in each lane are displayed on the screen along with a fault indication if necessary. Substantial improvements and the reliability and maintainability of target range control systems are achieved by the use of the CRT-equipped video display unit (22) in combination with the CPU (40). In further preferred embodiments, all targets in an individual bank provide information to a field equipment module (FEM) (16) for that bank which then provides the information to a computer peripheral device (30) which converts the information to a form usable by the CPU. Additionally, the range may be controlled in a manual, automatic or semiautomatic mode and target status information along with lane scores provided in a permanent manner by means of a peripheral printer (42).

IPC 1-7

F41J 5/00

IPC 8 full level

F41J 11/00 (2009.01)

CPC (source: EP)

F41J 11/00 (2013.01)

Cited by

EP1398595A1; EP0797070A3; JPH0245396U; US6363294B1

Designated contracting state (EPC)

CH DE GB LI SE

DOCDB simple family (publication)

EP 0072004 A2 19830216; EP 0072004 A3 19830511

DOCDB simple family (application)

EP 82107145 A 19820806