

Title (en)

Picture generator for a fire simulator.

Title (de)

BilderzeugungsVorrichtung für einen Schiess-Simulator.

Title (fr)

Dispositif de génération d'images pour un simulateur de tir.

Publication

EP 0151053 A2 19850807 (FR)

Application

EP 85400008 A 19850104

Priority

FR 8400297 A 19840110

Abstract (en)

1. An image-generating means for a firing simulator on a weapon having a line of sight which can be moved by a marksman in a first and a second direction, comprising a movable transparent reproduction of a landscape (7) and optical means (8, 9, 10) for producing a light beam and projecting a partial image of the transparent reproduction of a landscape on to a screen (3) for observation by the marksman, the means being characterized in that it comprises first devices (6) for moving the reproduction of a landscape in response to movement of the line of sight of the weapon in a first direction, so that the fraction of the reproduction projected on to the screen changes in relation to the movement of the line of sight of the weapon in the first direction, second means (19) for selecting a part of the changed fraction of landscape projected in response to the movement of the line of sight of the weapon in a second direction, the part alone constituting the image of a landscape visible on the screen, and third means (17, 16, 15) comprising a semi-transparent mirror (17) placed in the beam from the optical means so that a synthetic image of at least one target, one projectile and/or one impact is reflected in the semi-transparent mirror and superposed on the image of a landscape visible on the screen by projection through the semi-transparent mirror (17).

Abstract (fr)

Dans un mode de réalisation particulier, le simulateur de tir selon l'invention est équipé d'un dispositif de génération d'images qui comporte une reproduction transparente (7) d'un paysage vue tout autour d'un axe de centrage, montée sur un tambour rotatif (4), des moyens de pilotage à commander par le simulateur pour entraîner le tambour en rotation autour de son axe, des moyens optiques pour projeter radialement par rapport au tambour, en direction d'un système de visualisation associé au simulateur, une fraction de la reproduction de paysage éclairée dans une position fixe de l'extérieur du tambour.

IPC 1-7

F41G 3/26; **F41J 9/14**

IPC 8 full level

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CPC (source: EP)

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