

Title (en)

FIRE SIMULATOR USING A PICTURE GENERATING DEVICE AND PICTURE GENERATOR FOR SUCH A SIMULATOR

Publication

EP 0151053 A3 19850828 (FR)

Application

EP 85400008 A 19850104

Priority

FR 8400297 A 19840110

Abstract (en)

[origin: EP0151053A2] 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).

IPC 1-7

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

IPC 8 full level

F41G 3/26 (2006.01); **F41J 9/14** (2006.01)

CPC (source: EP)

F41G 3/2694 (2013.01)

Citation (search report)

- [X] FR 1054244 A 19540209 - APPLIC MACH MOTRICES
- [A] DE 1028467 B 19580417 - KELVIN & HUGHES LTD
- [A] DE 2658501 A1 19780629 - HONEYWELL GMBH
- [A] FR 2401474 A1 19790323 - BRITISH AIRCRAFT CORP LTD [GB]
- [A] US 2965979 A 19601227 - HOLZER ROBERT E
- [A] DE 2166087 A1 19730405 - KRAUSS MAFFEI AG

Cited by

US6296486B1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0151053 A2 19850807; **EP 0151053 A3 19850828**; **EP 0151053 B1 19890712**; AT E44609 T1 19890715; AU 3739785 A 19850718; DE 3571499 D1 19890817; FR 2557968 A1 19850712; FR 2557968 B1 19880527

DOCDB simple family (application)

EP 85400008 A 19850104; AT 85400008 T 19850104; AU 3739785 A 19850108; DE 3571499 T 19850104; FR 8400297 A 19840110