Title (en)

SHOOTING SIMULATION METHOD

Title (de)

VERFAHREN ZUR SCHUSSSIMULATION

Title (fr)

PROCEDE DE SIMULATION DE TIR

Publication

**EP 1159578 B1 20030416 (DE)**

Application

**EP 00912514 A 20000226**

Priority

- DE 19912093 A 19990318
- EP 0001620 W 20000226

Abstract (en)

[origin: DE19912093A1] The invention relates to a shooting simulation method, comprising barrelled weapons which fire ballistic projectiles. When a shot is simulated, the barrelled weapon (11) illuminates the target (13) using an optical transmitter (20) and a virtual impact of the projectile is determined, in order to establish a hit on target. The inventive method aims to reduce the production costs of the shooting simulation system and to ensure sufficient accuracy for the use thereof on the combat training range. To this end, the transmitter light is tightly concentrated optically and is pivoted successively on one plane. Information relating to the current position and vertical alignment (elevation) of the barrelled weapon (11) and the type of weapon and projectile is modulated on the transmitter light. In the target (13) which is equipped with an optical receiver device, the virtual projectile impact and the distance between the target (13) and the barrelled weapon (11) are determined from the weapon information that has been transmitted to the target (13) and from the known target position and are compared with one another, in order to establish a hit on target. If the information matches, a hit is displayed.

IPC 1-7

**F41G 3/26**

IPC 8 full level

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CPC (source: EP)

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Cited by

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