Title (en)

METHOD AND DEVICE FOR SIMULATING FIRING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHUSSSIMULATION

Title (fr)

PROCEDE ET DISPOSITIF DE SIMULATION DE TIR

Publication

EP 1325281 B1 20040616 (DE)

Application

EP 01960586 A 20010728

Priority

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Abstract (en)

[origin: US2002045999A1] In a method for firing simulation with a gun, to attain greater ranges, a first laser beam comprising laser pulses is transmitted through the actuation of the trigger on the gun, the trajectory of the fired virtual projectile is calculated, and the deviations of the trajectory from the target direction at the firing time are determined. The first laser beam is pivoted corresponding to the trajectory deviations, and the transit time of the laser pulses of the first laser beam reflected by the target is measured, and used to determine the target range. For this target range, the trajectory, for example, of the fired virtual projectile is calculated, and compared to the time that has passed between the firing time and the reception of the reflected laser pulses. If the two match within a tolerance range, a second laser beam comprising encoded laser pulses is transmitted in the transmission direction that was last traversed by the first laser beam. The encoded second laser beam is received at the target, where the impact damage is calculated from the position of a detector on the target that has received the laser beam, and information transmitted by the encoding.

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F41G 3/26

IPC 8 full level

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