

Title (en)

DEVICE AND METHOD FOR THE FREE ORIENTATION OF THE TILT AND SIDE ANGLES OF WEAPONS THAT CAN BE AIMED INDIRECTLY

Publication

EP 0218743 B1 19880817 (DE)

Application

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Priority

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Abstract (en)

[origin: US4693168A] A method and apparatus for aiming indirectly aimable weapons free from tipping and tilting angle and independent of the oblique position of the weapon. The position of the weapon is supplied with respect to an earth coordinate system by a position reference system. These values, along with theoretical angular values derived through ballistics computations, are separately converted to a coordinate system that is fixed with respect to a weapon platform. The weapon is aimed in accordance with differences formed between the theoretical and actual positions of the weapon. A cross-hair that indicates actual position is displaced laterally on a screen when the weapon is pivoted and vertically when the weapon is raised or lowered. The lateral and elevation movements of the weapon are decoupled allowing the correct position to be directly and independently set with respect to both axes.

IPC 1-7

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