

Title (en)  
DIRECTED-ENERGY WEAPON AND METHOD FOR DISPLAYING THE POSITION OF AN IMPACT POINT OF THE DIRECTED-ENERGY WEAPON

Title (de)  
STRAHLENWAFFE UND VERFAHREN ZUR DARSTELLUNG DER LAGE EINES TREFFPUNKTS DER STRAHLENWAFFE

Title (fr)  
ARME À ÉNERGIE DIRIGÉE ET PROCÉDÉ DE REPRÉSENTATION DE LA POSITION D'UN POINT D'IMPACT DE L'ARME À ÉNERGIE DIRIGÉE

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Application  
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Abstract (en)  
[origin: WO2020084107A1] The invention relates to a method for displaying the position of an impact point (26) of a directed-energy weapon (10) which has an effective beam optical system (22) and an imaging optical system (24). In the method, an emission of primary radiation of the directed-energy weapon (10), which primary radiation is to be focused and directed by the effective beam optical system (22), is triggered as an effective beam (28), and radiation emanating from an irradiated object is received by the imaging optical system (24) and directed onto a camera (34) of a screen (38). The method is characterised in that a beam bundle cross-section of an effective beam (28) is covered with a reflective optical auxiliary element (56), the effective beam (28) or the auxiliary beam is triggered with the beam bundle cross-section covered, and primary radiation of the effective beam (28) or of the auxiliary beam which is reflected by the reflective optical auxiliary element (56) is received by the imaging optical system (24) and directed onto a spot of the camera (34), which spot is displayed on the screen (38) as the impact point (40). An independent claim relates to a directed-energy weapon (10).

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