

Title (en)

METHOD FOR CORRECTING THE TRAJECTORY OF A PROJECTILE, IN PARTICULAR OF AN END-PHASE-GUIDED PROJECTILE, AND PROJECTILE FOR CARRYING OUT THE PROCESS

Title (de)

VERFAHREN ZUR FLUGBAHNKORREKTUR EINES INSBESONDERE ENDPHASENGELENTEN GESCHOSSES SOWIE GESCHOSS ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR CORRIGER LA TRAJECTOIRE D'UN PROJECTILE GUIDÉ EN PARTICULIER EN PHASE FINALE ET PROJECTILE POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: WO2011085758A1] The invention proposes guiding or rotating a laser beam (12) around the centre (13) of the instantaneous target course of a projectile (1) in such a way that the projectile (1) itself detects a divergence thereof and subsequently carries out a self-correction. To this end, a first laser beam (11) is emitted over a certain region (15) around the target course of the projectile (1), wherein said laser beam can at the same time initiate the start of a timing process. For example, a further rotating laser beam (12) having a fixed rotational frequency  $\Omega$  is simultaneously positioned around the region (15). With the help of said second laser beam (12), the projectile recognises the divergence thereof from the target course and initiates the correction based on the determined divergence. The magnitude of the determined divergence is then used to effect the timed initiation of the correction. To this end, delays in the release are implemented in the projectile (1).

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