

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
EP 2524189 B1 20160302 (DE)

Application
EP 10795931 A 20101207

Priority
• DE 102010004820 A 20100115
• EP 2010007428 W 20101207

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 Ω 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).

IPC 8 full level
F41G 7/26 (2006.01)

CPC (source: EP KR US)
F41G 7/26 (2013.01 - KR); **F41G 7/263** (2013.01 - EP US); **F41G 7/266** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011085758 A1 20110721; BR 112012017296 A2 20160419; CA 2785693 A1 20110721; CA 2785693 C 20150210; CN 102656417 A 20120905; DE 102010004820 A1 20110721; EP 2524189 A1 20121121; EP 2524189 B1 20160302; JP 2013517443 A 20130516; KR 20120115280 A 20121017; RU 2012134788 A 20140220; RU 2509975 C1 20140320; SG 182381 A1 20120830; US 2012292432 A1 20121122; US 8558151 B2 20131015

DOCDB simple family (application)
EP 2010007428 W 20101207; BR 112012017296 A 20101207; CA 2785693 A 20101207; CN 201080056649 A 20101207; DE 102010004820 A 20100115; EP 10795931 A 20101207; JP 2012548345 A 20101207; KR 20127016291 A 20101207; RU 2012134788 A 20101207; SG 2012049821 A 20101207; US 201213549918 A 20120716