Title (en)

AN AIMING-ASSISTANCE METHOD AND DEVICE FOR LASER GUIDANCE OF A PROJECTILE

Title (de)

HILFSVERFAHREN UND -VORRICHTUNG ZUM ZIELEN FÜR DIE LASERLENKUNG EINES PROJEKTILS

Title (fr)

PROCÉDÉ ET DISPOSITIF D'AIDE À LA VISÉE POUR LE GUIDAGE LASER D'UN PROJECTILE

Publication

EP 3239644 B1 20200219 (FR)

Application

EP 17167889 A 20170425

Priority

FR 1600721 A 20160429

Abstract (en)

[origin: US2017314891A1] A method and a device for assisting aiming at a target, in particular for the purpose of improving the accuracy with which a projectile is guided towards said target by means of a laser beam. The method makes use of a camera serving to capture either a complete image of the environment, or else a selective image of said target in said environment. Thereafter, the method makes it possible to verify that said laser beam is indeed pointing at said target by displaying the point of contact of said laser beam in said environment on the image captured by said camera, and then to determine the accuracy with which said laser beam is indeed pointing at said target. As a function of said accuracy, launching of said projectile may either be confirmed or cancelled. This method also makes it possible to identify the code of said guide beam illuminating said target.

IPC 8 full level

F41G 3/14 (2006.01); **F41G 3/02** (2006.01); **F41G 7/22** (2006.01)

CPC (source: EP US)

F41G 3/02 (2013.01 - EP US); **F41G 3/145** (2013.01 - EP US); **F41G 7/007** (2013.01 - US); **F41G 7/2246** (2013.01 - US); **F41G 7/226** (2013.01 - EP US); **F41G 7/2293** (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)

EP 3239644 A1 20171101; **EP 3239644 B1 20200219**; FR 3050814 A1 20171103; FR 3050814 B1 20190607; PL 3239644 T3 20200713; US 10281239 B2 20190507; US 2017314891 A1 20171102

DOCDB simple family (application)

EP 17167889 A 20170425; FR 1600721 A 20160429; PL 17167889 T 20170425; US 201715498910 A 20170427