

Title (en)  
METHOD FOR DETERMINING CORRECTIONS FOR ARTILLERY FIRE

Title (de)  
VERFAHREN ZUR BESTIMMUNG VON KORREKTUREN FÜR ARTILLERIEFEUER

Title (fr)  
PROCEDE DE DETERMINATION DES CORRECTIONS DE TIR D'ARTILLERIE

Publication  
**EP 2839235 A1 20150225 (FR)**

Application  
**EP 13715705 A 20130415**

Priority  
• FR 1201168 A 20120420  
• EP 2013057786 W 20130415

Abstract (en)  
[origin: WO2013156434A1] The invention relates to a method for determining corrections for artillery fire toward a stationary target using a stationary observation system which can be oriented and comprises a device (5) for measuring the orientation of the line of sight thereof, a laser rangefinder (4), a positioning means (6), a display screen (1) provided with a fixed crosshair, and a means for displaying and moving another crosshair on the screen, wherein the method comprises a step of orienting the observation system so as to display the central crosshair on the image of the target, and calculating geographical coordinates of the target on the basis of the distance provided by the rangefinder, the orientation provided by the orientation-measuring device, and the position of the optoelectronic system provided by the positioning means. In the event that, after firing, the impact and the target do not coincide, the method comprises the following steps while the orientation of the system is fixed: displaying, on the display screen, a second crosshair on the image of the impact and measuring, on the display screen, the offset between the two crosshairs; displaying a third crosshair on the screen at a position that is symmetrical to that of the second crosshair; orienting the optoelectronic system in order to position the third crosshair on the image of the target, such that the first crosshair coincides with the image of the point of impact; and actuating the rangefinder in order to obtain the distance between the system and the impact.

IPC 8 full level  
**F41G 3/02** (2006.01); **F41G 3/06** (2006.01); **F41G 3/14** (2006.01)

CPC (source: EP US)  
**F41G 3/02** (2013.01 - EP US); **F41G 3/06** (2013.01 - EP US); **F41G 3/065** (2013.01 - US); **F41G 3/142** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013156434A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2013156434 A1 20131024**; EP 2839235 A1 20150225; EP 2839235 B1 20171115; ES 2656263 T3 20180226; FR 2989775 A1 20131025; FR 2989775 B1 20140606; IL 235106 B 20180228; PL 2839235 T3 20180228; US 2015075359 A1 20150319; US 9250037 B2 20160202

DOCDB simple family (application)  
**EP 2013057786 W 20130415**; EP 13715705 A 20130415; ES 13715705 T 20130415; FR 1201168 A 20120420; IL 23510614 A 20141019; PL 13715705 T 20130415; US 201314395585 A 20130415