

Title (en)

METHOD FOR OPERATING A WEAPON SYSTEM

Title (de)

VERFAHREN ZUM BETRIEB EINES WAFFENSYSTEMS

Title (fr)

PROCÉDÉ D'EXPLOITATION D'UN SYSTÈME D'ARME

Publication

EP 2989408 B1 20210317 (DE)

Application

EP 14715929 A 20140408

Priority

- DE 102013007229 A 20130426
- EP 2014057075 W 20140408

Abstract (en)

[origin: WO2014173679A1] The invention relates to a method for operating a weapon system (2), which comprises not only a weapon (3) with a weapon barrel (5) that can be directed laterally and vertically but also a fire control computer (6) and also, in the loaded state of the weapon (3), ammunition (7) that can be programmed by the fire control computer (6), wherein the ammunition (7) comprises a warhead (10) with a programmable igniter that is formed as an explosive projectile, which is ignited in accordance with its programming at a spatially predeterminable point of airburst (12, 14) with respect to a moving target (8) after firing of the ammunition (7). To achieve the effect that the optimum point of airburst (14), and consequently the setting time of the igniter of the programmable ammunition (7), can be determined very accurately even when the target (8) is moving at high speed back and forth from the MBT weapon system (2), the invention proposes also taking into consideration the speed component of the target that is directed towards the weapon for determining the trajectory (13) and ignition time of the warhead (10).

IPC 8 full level

F41G 3/06 (2006.01); **F41G 3/08** (2006.01); **F42C 11/06** (2006.01); **F42C 17/04** (2006.01)

CPC (source: EP)

F41G 3/06 (2013.01); **F41G 3/08** (2013.01); **F42C 17/04** (2013.01)

Citation (opposition)

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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)

DE 102013007229 A1 20141030; DK 2989408 T3 20210621; EP 2989408 A1 20160302; EP 2989408 B1 20210317; ES 2869437 T3 20211025; HU E054343 T2 20210830; PL 2989408 T3 20210802; WO 2014173679 A1 20141030

DOCDB simple family (application)

DE 102013007229 A 20130426; DK 14715929 T 20140408; EP 14715929 A 20140408; EP 2014057075 W 20140408; ES 14715929 T 20140408; HU E14715929 A 20140408; PL 14715929 T 20140408