

Title (en)

METHOD AND EMERGENCY AIMING CONTROL UNIT FOR OPERATING AN EMERGENCY AIMING SYSTEM FOR AN ARTILLERY APPARATUS, ARTILLERY APPARATUS AND VEHICLE

Title (de)

VERFAHREN UND NOTRICHTSTEUEREINHEIT ZUM BETREIBEN EINES NOTRICHTSYSTEMS FÜR EINE GESCHÜTZVORRICHTUNG, GESCHÜTZVORRICHTUNG UND FAHRZEUG

Title (fr)

PROCÉDÉ ET UNITÉ DE COMMANDE DE VISÉE D'URGENCE POUR FAIRE FONCTIONNER UN SYSTÈME DE VISÉE D'URGENCE POUR UN APPAREIL D'ARTILLERIE, APPAREIL D'ARTILLERIE ET VÉHICULE

Publication

EP 4288743 A1 20231213 (DE)

Application

EP 23711434 A 20230313

Priority

- DE 102022106062 A 20220316
- EP 2023056349 W 20230313

Abstract (en)

[origin: WO2023174869A1] A method for operating an emergency aiming system for an artillery apparatus (105) having at least one emergency aiming drive unit (115) and an artillery unit, connected to the emergency aiming drive unit (115), for a vehicle (100) is presented, the emergency aiming system being operated at least if a main aiming system of the artillery apparatus (105) fails. The method comprises a step of providing an activation signal to an interface to an emergency aiming electronics unit, the activation signal being designed to activate the emergency aiming system, a step of reading in a setpoint signal via an interface to an acquisition device (125), wherein an alignment signal (335) containing a setpoint speed and/or a setpoint torque for a movement by the artillery apparatus (105) is computed from the setpoint signal and predefined for the at least one emergency aiming drive unit (115), and a step of outputting at least one alignment signal (335) to align the at least one emergency aiming drive unit (115) after the reading-in step (210), in order to align the artillery unit (110) with the setpoint speed represented by the alignment signal (335) and/or with the setpoint torque at least while the main aiming system (402) has failed. It is also possible to output at least one enable signal (340) to enable firing after the reading-in step, in order to align the artillery unit (110) with the position represented by the setpoint signal at least while the main aiming system has failed.

IPC 8 full level

F41G 3/22 (2006.01); **F41A 27/20** (2006.01); **F41G 5/24** (2006.01)

CPC (source: EP KR)

F41A 27/20 (2013.01 - EP KR); **F41G 3/22** (2013.01 - EP KR); **F41G 5/24** (2013.01 - EP KR)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102022106062 A1 20230921; EP 4288743 A1 20231213; IL 305961 A 20231101; KR 20240008860 A 20240119; WO 2023174869 A1 20230921

DOCDB simple family (application)

DE 102022106062 A 20220316; EP 2023056349 W 20230313; EP 23711434 A 20230313; IL 30596123 A 20230914; KR 20237039524 A 20230313