Title (en)

PROJECTILE GUIDANCE SYSTEM

Title (de)

GESCHOSSFÜHRUNGSSYSTEM

Title (fr)

SYSTÈME DE GUIDAGE DE PROJECTILE

Publication

EP 3924684 A4 20221130 (EN)

Application

EP 20796225 A 20200205

Priority

- US 201916274055 A 20190212
- US 2020016825 W 20200205

Abstract (en)

[origin: US2020256643A1] A guidance system for deployment on-board a projectile includes a laser-seeking detector, an imaging device, and a control module. The laser-seeking detector is designed to detect the position of the projectile with reference to a laser spot on a target. The imaging device is designed to capture one or more images in front of the projectile. The control module is designed to control a flight direction of the projectile based on input received from the laser-seeking detector in a first mode, control the flight direction of the projectile based on input received from the imaging device in a second mode, and switch between the first mode and the second mode while the projectile is in flight towards the target. Both guidance technologies are leveraged to develop an improved guidance technique that provides highly accurate targeting and allows for a faster rate of fire to deal with multiple targets.

IPC 8 full level

F41G 7/00 (2006.01); **F41G 7/20** (2006.01); **F41G 7/22** (2006.01)

CPC (source: EP IL KR US)

F41G 7/008 (2013.01 - EP IL KR); **F41G 7/2206** (2013.01 - EP IL KR); **F41G 7/2233** (2013.01 - EP IL KR); **F41G 7/2253** (2013.01 - EP IL KR); **F41G 7/226** (2013.01 - EP IL KR US); **F41G 7/2293** (2013.01 - EP IL KR)

Citation (search report)

- [XY] US 8829404 B1 20140909 - RINKER ROBERT [US]
- [XYI] DE 102007002336 A1 20080717 - LFK GMBH [DE]
- See references of WO 2020219144A2

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)

US 2020256643 A1 20200813; CN 113424013 A 20210921; EP 3924684 A2 20211222; EP 3924684 A4 20221130; IL 285485 A 20210930; KR 20210134666 A 20211110; WO 2020219144 A2 20201029; WO 2020219144 A3 20201203

DOCDB simple family (application)

US 201916274055 A 20190212; CN 202080014040 A 20200205; EP 20796225 A 20200205; IL 28548521 A 20210809; KR 20217029226 A 20200205; US 2020016825 W 20200205