

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0178701 A1 Hedeen et al.

May 30, 2024 (43) **Pub. Date:**

(54) GUN-MOUNTED RECORDING DEVICE

(71) Applicant: Laser Aiming Systems Corporation, Maple Plain, MN (US)

(72) Inventors: Brian Hedeen, Orono, MN (US); Mike Cisewski, Hutchinson, MN (US); Ethan Mork, Young America, MN (US)

(21) Appl. No.: 18/242,422

(22) Filed: Sep. 5, 2023

Related U.S. Application Data

(63) Continuation of application No. 17/383,240, filed on Jul. 22, 2021, now Pat. No. 11,750,032, which is a continuation of application No. 16/368,517, filed on Mar. 28, 2019, now abandoned, which is a continuation-in-part of application No. 15/784,502, filed on Oct. 16, 2017, now Pat. No. 11,306,987.

(60) Provisional application No. 62/408,616, filed on Oct. 14, 2016.

Publication Classification

(51)	Int. Cl.	
	H02J 50/10	(2016.01)
	F41C 27/00	(2006.01)
	F41J 5/10	(2006.01)

H02J 7/00	(2006.01)
H02J 7/34	(2006.01)
H04N 23/51	(2023.01)
H04N 23/57	(2023.01)
H04N 23/65	(2023.01)

(52) U.S. Cl.

CPC H02J 50/10 (2016.02); F41C 27/00 (2013.01); F41J 5/10 (2013.01); H02J 7/0045 (2013.01); H02J 7/345 (2013.01); H04N 23/51 (2023.01); H04N 23/57 (2023.01); H04N 23/651 (2023.01)

(57)ABSTRACT

In an exemplary embodiment, a gun-mounted recording device comprises a housing configured to be mounted to a gun, a recording module arranged within the housing, the recording module comprising a first electrical contact, and a power supply configured to be detachably coupled to the housing. The power source comprises a second electrical contact. The first electrical contact and the second electrical contact are configured to contact each other and form a circuit when the power source is coupled to the housing in order for the power source to supply power to the recording module. The first electrical contact, the second electrical contact, or both are configured to move in response to relative movement between the power source and the housing when the power source is coupled to the housing, in order to maintain the supply of power from the power source to the recording module.

