



US009410667B2

(12) **United States Patent**  
**Opolka**

(10) **Patent No.:** **US 9,410,667 B2**

(45) **Date of Patent:** **Aug. 9, 2016**

(54) **FLASHLIGHT WITH ROTATABLE BATTERY CARTRIDGE**

(58) **Field of Classification Search**

CPC ..... F21L 4/00; F21L 4/027; F21V 23/0414

USPC ..... 362/170, 184, 203, 208

See application file for complete search history.

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 662 days.

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(21) Appl. No.: **13/700,221**

(22) PCT Filed: **May 5, 2011**

(86) PCT No.: **PCT/DE2011/001029**

§ 371 (c)(1),

(2), (4) Date: **Feb. 11, 2013**

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(87) PCT Pub. No.: **WO2012/006977**

PCT Pub. Date: **Jan. 19, 2012**

(65) **Prior Publication Data**

US 2013/0147390 A1 Jun. 13, 2013

(57) **ABSTRACT**

The present invention relates to a flashlight having a rotary switch for switching different brightness levels and/or luminous colors, which rotary switch has a battery cartridge arranged rotatably in a flashlight housing and having spring-mounted electrical contacts arranged at the end, which electrical contacts are each connected to an electrical contact face or an electrical contact zone of a contact plate. In order to provide a switchover option for a flashlight with different switching steps that has a simple design, is light and can be operated reliably, the invention proposes that the battery cartridge is held securely in the flashlight housing by a fixing sleeve and that the battery cartridge is rotated in the flashlight housing by a rotary button that passes longitudinally axially through the fixing sleeve.

(30) **Foreign Application Priority Data**

Jul. 13, 2010 (DE) ..... 10 2010 026 918

(51) **Int. Cl.**

**F21V 1/00** (2006.01)

**F21L 4/02** (2006.01)

**F21V 23/04** (2006.01)

**F21Y 101/02** (2006.01)

**F21Y 113/00** (2016.01)

(52) **U.S. Cl.**

CPC ..... **F21L 15/02** (2013.01); **F21L 4/027**

(2013.01); **F21V 23/0414** (2013.01); **F21Y**

**2101/02** (2013.01); **F21Y 2113/005** (2013.01)

**8 Claims, 2 Drawing Sheets**

