

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 November 2006 (23.11.2006)

PCT

(10) International Publication Number
WO 2006/124360 A3

(51) International Patent Classification:

H01H 15/00 (2006.01)

(21) International Application Number:

PCT/US2006/017682

(22) International Filing Date: 9 May 2006 (09.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/680,218 12 May 2005 (12.05.2005) US

(71) Applicant (for all designated States except US): **LUTRON ELECTRONICS CO., INC.** [US/US]; 7200 Suter Road, Coopersburg, PA 18036 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ABEL, RYAN** [US/US]; 3670 North Delaware Drive, Easton, PA 18040 (US).

(74) Agents: **WEINER, Samuel, H.** et al.; Ostrolenk, Faber, Gerb & Soffen LLP, 1180 Avenue Of The Americas, New York, New York 10036 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

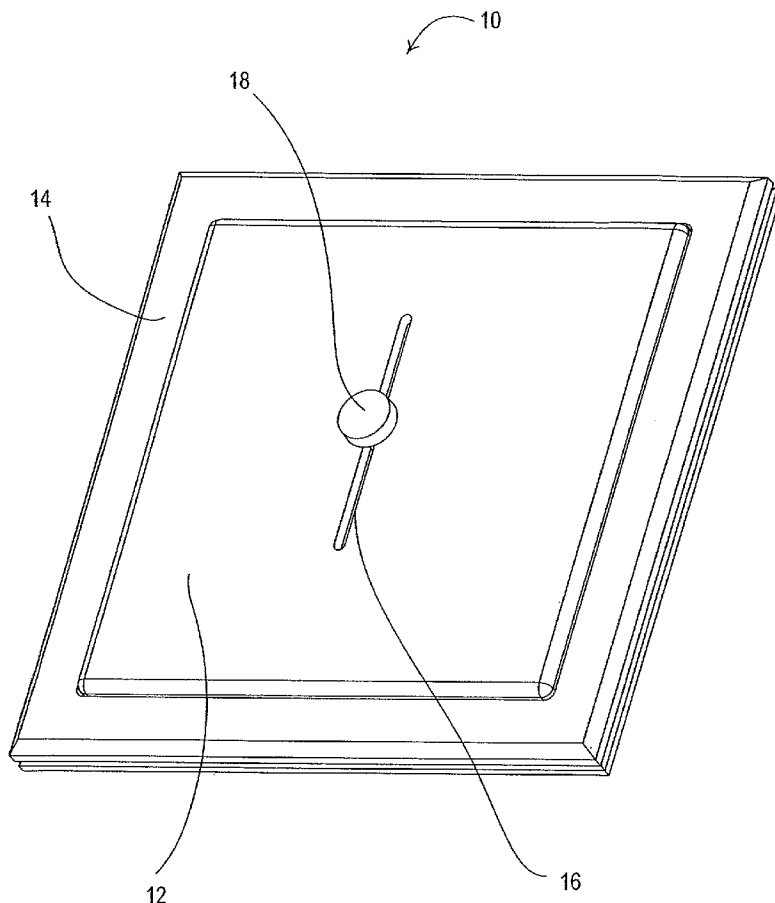
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: LIGHTING CONTROL HAVING A CAPTURED OFFSET LINEAR GUIDE SYSTEM



(57) Abstract: A captured offset linear guide system for a lighting control device includes a faceplate having an elongated slot, a knob, an offset member, and a linear potentiometer. The offset member allows the linear potentiometer to be offset from the elongated slot of the faceplate to prevent dirt and dust from collecting on the potentiometer. Also, utilization of the offset member eliminates safety concerns of a tool being inserted into the internal structure of the lighting control device where it might come into contact with energized electrical components. The faceplate includes two guide rails, which hold the offset member close to the faceplate and allow for easy assembly of the faceplate to the lighting control device. Further, the faceplate includes an alignment rail, which keeps the offset member straight when moving within the slot.

WO 2006/124360 A3



(88) Date of publication of the international search report:

5 April 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.