(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 April 2014 (24.04.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/062130 A1

(51) International Patent Classification:
H02J 9/06 (2006.01)

(21) International Application Number:
PCT/SG2012/000387

(22) International Filing Date:
18 October 2012 (18.10.2012)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **AZTECH TECHNOLOGIES PTE LTD** [SG/SG]; 31 Ubi Road 1, Aztech Building, Singapore 408694 (SG).

(72) Inventor: **SAW, Chwee Meng**; 15 Tanah Merah Kechil Ridge, Singapore 465599 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(54) Title: LED TUBE FOR EMERGENCY LIGHTING SYSTEM

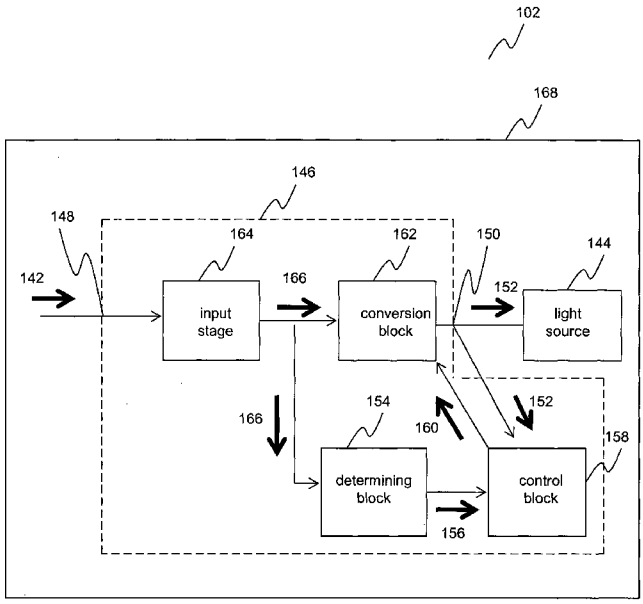


Figure 2

(57) Abstract: Various exemplary embodiments provide a lamp including a light source; and a control circuitry coupled to the light source, the control circuitry including an input configured to receive power from a main power supply and, alternatively, from a secondary power supply; an output connected to the light source for supplying an electrical current to the light source; a determining block connected to the input and configured to determine, when the lamp is in use, whether the power received at the input is from the main power supply or the secondary power supply and to generate a corresponding determined signal; a control block coupled to the determining block and configured to receive the determined signal and to generate a control signal based on the determined signal; and a conversion block coupled between the input and the output and configured to receive the control signal and to convert the power from the main power supply or the secondary power supply to the electrical current, wherein the intensity of the electrical current is controlled by the control signal.

WO 2014/062130 A1