

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
18 October 2007 (18.10.2007)

PCT

(10) International Publication Number  
WO 2007/117333 A3

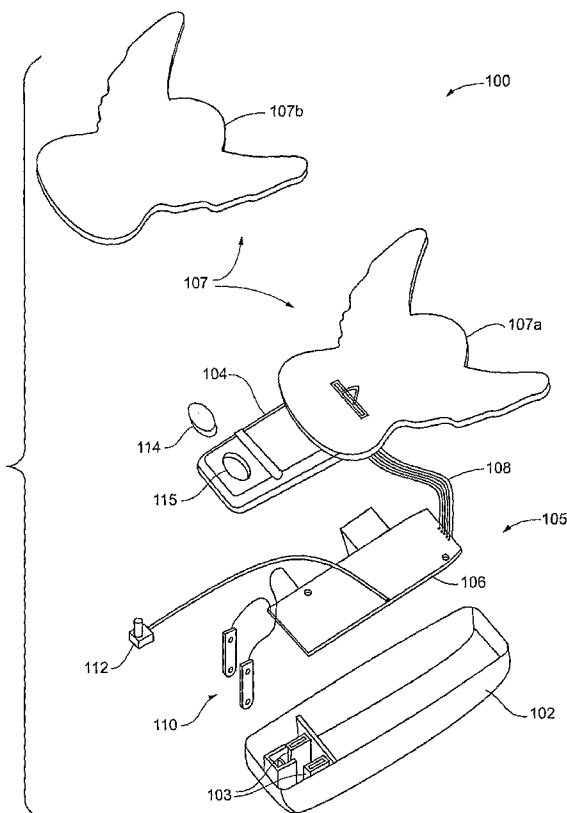
- (51) International Patent Classification:  
F21K 2/00 (2006.01) G09G 3/00 (2006.01)
- (21) International Application Number:  
PCT/US2007/000018
- (22) International Filing Date: 3 January 2007 (03.01.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/755,810 3 January 2006 (03.01.2006) US
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- (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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: ELECTROLUMINESCENT MULTI-PATTERN DISPLAY IN A NIGHT-LIGHT CONFIGURATION



(57) Abstract: A night-light-style illumination device displays a pattern of changing lights utilizing a plurality of EL elements, and includes a housing that includes an electrical plug capable of engaging with a standard household AC power outlet. The EL driving circuit is coupled with a controller that causes the driving circuit to sequentially drive selected ones of the plurality of EL elements according to a first sequence. A low-cost circuit converts the AC power into power signals suitable for powering the controller and for driving the EL elements.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**(88) Date of publication of the international search report:**  
27 March 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/00018

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F21K 2/00, G09G 3/00 (2007.10)

USPC - 362/34, 315/169.3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): F21K 2/00, G09G 3/00 (2007.10)

USPC: 362/34, 315/169.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC(8): F21K 2/00, G09G 3/00 (2007.10)

USPC: 362/34, 257, 271, 282, 285; 315/169.3

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); Internet search via Google Web and Google Scholar search engines. Search Terms Used: user operator input program programmed message sequential sequentially pattern housing cover switch night nightlight power AC DC volt plug prong blade electroluminescent LED diode voltage frequency signal pulse

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,431,719 B1 (LAU et al.) 13 August 2002 (13.08.2002) col. 1 ln. 5 to col. 4 ln. 6, Fig. 1, 2	1, 3-5 and 8-12
Y		2, 6, 7 and 13
Y	US 5,184,114 A (BROWN) 02 February 1993 (02.02.1993) col. 10 ln. 17-27, Fig. 14	2
Y	US 6,922,020 B2 (PENNAZ et al.) 26 July 2005 (26.07.2005) col. 1 ln. 15-31, col. 2 ln. 7-32, col. 5 ln. 36-54, Fig. 3	6
Y	US 6,621,235 B2 (CHANG) 16 September 2003 (16.09.2003) col. 2 ln. 1-31, col. 3 ln. 11-40, col. 4 ln. 15-50, Fig. 2-4	7
Y	US 6,808,152 B2 (FELL) 26 October 2004 (26.10.2004) col. 3 ln. 31-49, Fig. 1-6	13
A	US 6,241,362 B1 (MORRISON) 05 June 2001 (05.06.2001) Fig. 4	1-13
A	US 4,675,575 A (SMITH et al.) 23 June 1987 (23.06.1987) col. 36 ln. 13-27, col. 6 ln. 62 to col. 7 ln. 12, col. 23 ln. 46-65, col. 32 ln. 16-67	1-13
A	US 6,648,496 B1 (ELGHOROURY et al.) 18 November 2003 (18.11.2003) Fig. 1-5	1-13

Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 October 2007 (28.10.2007)

Date of mailing of the international search report

07 FEB 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents

P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

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