



- (51) International Patent Classification: *H05B 37/02* (2006.01) *H02J 9/02* (2006.01)
- (21) International Application Number: PCT/US2011/065991
- (22) International Filing Date: 20 December 2011 (20.12.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 61/425,139 20 December 2010 (20.12.2010) US
- (71) Applicant (for all designated States except US): **MUSCO CORPORATION** [US/US]; 100 1st Avenue West, Oskaloosa, Iowa 52577 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **GORDIN, Myron** [US/US]; 2746 Merino Avenue, Oskaloosa, Iowa 52577 (US).
- (74) Agent: **HANSING, Mark D.**; McKee, Voorhees & Sease, P.L.C., 801 Grand Avenue, Suite 3200, Des Moines, Iowa 50309-2721 (US).
- (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, 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, 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, MD, 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,

[Continued on next page]

(54) Title: APPARATUS, METHOD, AND SYSTEM FOR EVENT AND BACKUP LIGHTING

(57) Abstract: An apparatus, system, and method for solid state lighting is envisioned which, according to aspects of the invention, provides primary event and/or utility lighting during normal power conditions, and which, during periods of interrupted power, provides uninterrupted event lighting for a desired duration, provides a gradual transition from event lighting levels to utility lighting levels, and provides a gradual transition from utility lighting levels to emergency lighting levels.

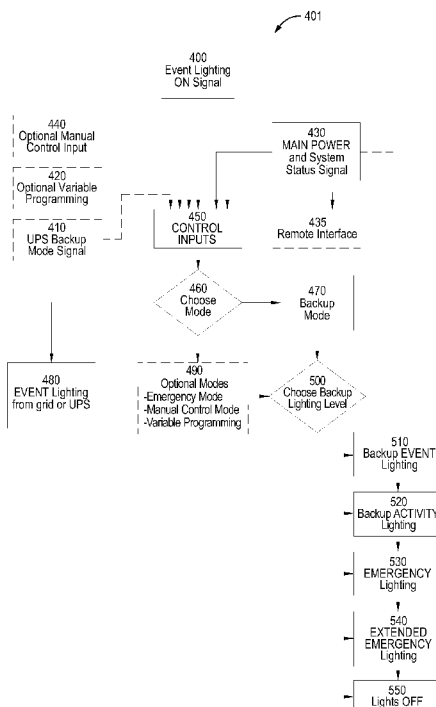
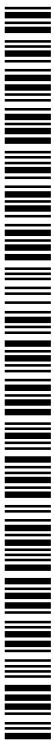


FIG 4





SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii))

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

1 November 2012

Published:

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

A. CLASSIFICATION OF SUBJECT MATTER**H05B 37/02(2006.01)i, H02J 9/02(2006.01)i**

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)

H05B 37/02; H05B 41/14; H02J 9/02; H02J 9/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords:emergency,power interruption

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2005-0119931 A (SAMSUNG CORPORATION et al.) 22 December 2005 See abstract;claim 1	1-20
A	JP 2003-031381 A (MATSUSHITA ELECTRIC WORKS LTD) 31 January 2003 See claim 1-3	1-20
A	JP 2006-012638 A (MATSUSHITA ELECTRIC WORKS LTD) 12 January 2006 See claim 1-3	1-20
A	JP 2006-014513 A (MATSUSHITA ELECTRIC WORKS LTD) 12 January 2006 See claim 1-3	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

* 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

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

10 SEPTEMBER 2012 (10.09.2012)

Date of mailing of the international search report

10 SEPTEMBER 2012 (10.09.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

RYU, Chang Hun

Telephone No. 82-42-481-5740



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/065991

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-2005-0119931 A	22.12.2005	None	
JP 2003-031381 A	31.01.2003	None	
JP 2006-012638 A	12.01.2006	JP 4329633 B2	09.09.2009
JP 2006-014513 A	12.01.2006	JP 4506300 B2	21.07.2010