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[Continued on next page]

(54) Title: LAMP WITH MULTIPLE COMBINED LIGHT REFLECTORS, LAMP CONNECTOR, AND PROXIMITY SENSOR FOR THE LAMP

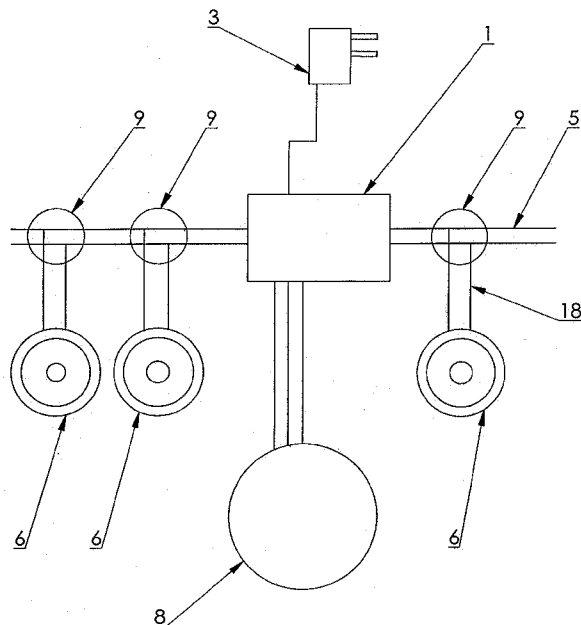


FIG. 1

(57) Abstract: Lighting systems and lighting assemblies are disclosed, including a lamp with several light sources positioned to produce a smoother more blended lighting effect. Three or more light sources may be included, and each source can be positioned in its own light well. The light wells can be conical in form but may have a side of a cone missing to connect it to adjacent light wells, including to both adjacent light wells. A proximity sensor may be included to turn on or off the lamp or to dim the lamp when a user's presence is detected.





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).

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
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18 April 2013

A. CLASSIFICATION OF SUBJECT MATTER*F21V 7/00(2006.01)i, F21V 23/00(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)

F21V 7/00; F21V 29/00; F21V 19/00; F21S 2/00; G05B 11/01; F21V 21/02

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: light, reflect, sensor, casing, groove

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2011-0141733 A1 (BRUNO SENN) 16 June 2011 See paragraph [0014], claims 1, 17, 19, and figures 1-2.	1-2,6 4-5 3,7-21
Y A	US 2009-0040030 A1 (DAVID K. MATHEWS et al.) 12 February 2009 See paragraphs [0026], [0045].	4-5 1-3,6-21
A	US 5580156 A (SUZUKI YOSHIO et al.) 03 December 1996 See abstract, claim 1, and figures 2-4(b).	1-21
A	KR 10-0563471 B1 (KOREA TERMINAL INDUSTRY CO., LTD. et al.) 27 March 2006 See page 3 and figures 2-3b.	1-21
A	KR 10-2011-0024994 A (JEONG SU KIM et al.) 09 March 2011 See abstract and figures 5-7.	1-21

 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

15 FEBRUARY 2013 (15.02.2013)

Date of mailing of the international search report

18 FEBRUARY 2013 (18.02.2013)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/049377

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011-0141733 A1	16.06.2011	EP 2332490 A1 EP 2332491 A1 JP 2011-120914 A	15.06.2011 15.06.2011 23.06.2011
US 2009-0040030 A1	12.02.2009	US 2006-0033454 A1 US 7455435 B2 US 7901116 B2	16.02.2006 25.11.2008 08.03.2011
US 5580156 A	03.12.1996	CN 1096531 C CN 1128885 A CN 1128885 CO JP 08-151610 A JP 3241224 B2 JP 3241224 B2	18.12.2002 14.08.1996 14.08.1996 11.06.1996 25.12.2001 19.10.2001
KR 10-0563471 B1	27.03.2006	None	
KR 10-2011-0024994 A	09.03.2011	None	

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

This ISA found multiple inventions as follows:

Group 1, claims 1-6, drawn to a lamp comprising a plurality of light sources.

Group 2, claims 7-21, drawn to a furniture lighting system comprising a connector configured to attach simultaneously both a power supply line and a wire for a lamp.

The inventions listed as Groups 1 and 2 do not relate to a single general inventive concept under PCT Rule 13.1, because under PCT Rule 13.2 they lack the same or corresponding special technical features for the following reasons; they are separate inventions with a distinct field of search.

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.