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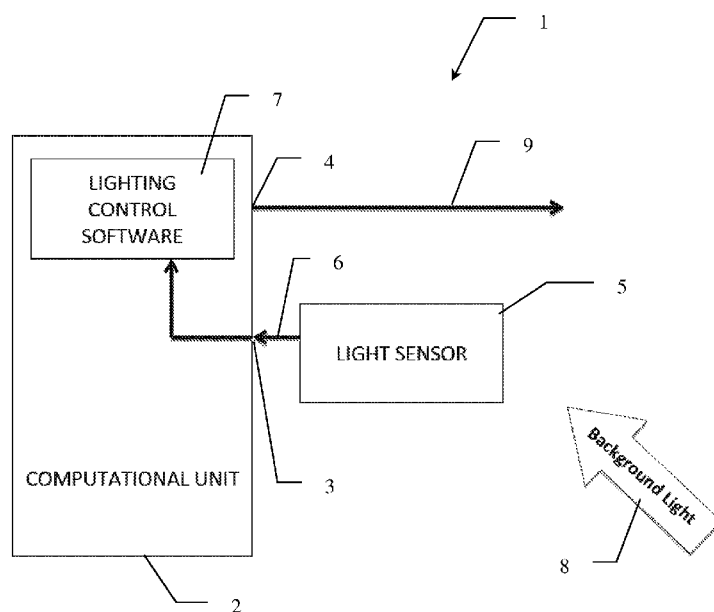
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Published:

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(54) Title: A LIGHTING SYSTEM AND A METHOD FOR LOCALLY CHANGING LIGHT CONDITIONS**Fig. 1**

(57) Abstract: This invention discloses a lighting system for initiating change of a mammal's circadian state or well-being state, comprising: -at least one computational unit with a memory, a processor, at least one input and at least one output -at least one light sensor with spectral and luminosity sensitivity and means for providing information through a connection to said least one input of the computational unit, -which computational unit has computational means that are arranged for collecting, storing, and processing data from at least the light sensor making operational information and comparing said operational information with state information about the mammal's circadian state or well-being state and which computational means compares the operational information and the state information for activating means for generating at least one output signal.

INTERNATIONAL SEARCH REPORT

International application No

PCT/DK2012/050141

A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61N5/06 H05B37/02
 ADD.

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)

A61N H05B

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

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/044330 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS INTELLECTUAL PROPERTY [DE] 9 April 2009 (2009-04-09) pages 10-14; figures 1, 3 -----	1-7, 14-18
X	WO 2008/146219 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP [US]; ASHDOWN IAN [C] 4 December 2008 (2008-12-04) pages 9-22; figures 4, 7 -----	1-7, 14-18
X	US 2011/084614 A1 (EISELE ERIC JON [US] ET AL) 14 April 2011 (2011-04-14) pages 8, 9; figures 25-29 -----	1-7, 14-18
X	US 2007/138978 A1 (RAINS JACK C JR [US] ET AL) 21 June 2007 (2007-06-21) pages 3-15; figures 2, 12 ----- -/-	8-13



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

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

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"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

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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

15 November 2012

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23/11/2012

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2012/050141

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:

see additional sheet

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 fees, this Authority did not invite payment of additional fees.
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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7, 14-18

A lighting system

2. claims: 8-13

A lamp

INTERNATIONAL SEARCH REPORT

International application No
PCT/DK2012/050141

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/273290 A1 (ASHDOWN IAN [CA] ET AL) 29 November 2007 (2007-11-29) the whole document -----	8-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/DK2012/050141

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009044330	A1	09-04-2009	NONE
WO 2008146219	A1	04-12-2008	NONE
		CN 101678209 A	24-03-2010
		EP 2164568 A1	24-03-2010
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		RU 2009149463 A	10-07-2011
		US 2010174345 A1	08-07-2010
		WO 2008146219 A1	04-12-2008
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		EP 2520134 A1	07-11-2012
		US 2011084614 A1	14-04-2011
		WO 2011044341 A1	14-04-2011
US 2007138978	A1	21-06-2007	NONE
US 2007273290	A1	29-11-2007	NONE