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7 May 2009

(54) **Title:** LIGHT SOURCE ADJUSTMENT METHOD AND SYSTEM

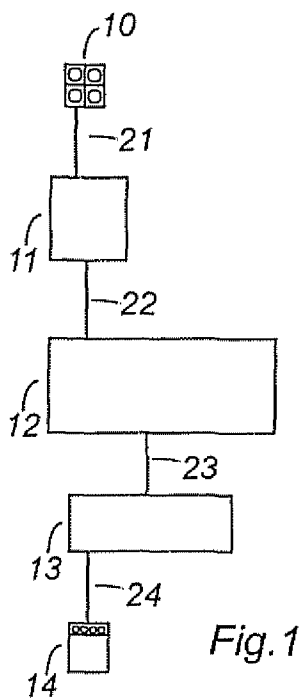


Fig. 1

(57) **Abstract:** A method for illuminating the surroundings of a display, such as an electronic display, by a light-source element (14), comprising the steps of : performing a measurement on the ambient light with a sensor element (10), deriving light characteristics of said ambient light from said measurement, deriving an output for said light-source element by applying said derived light characteristics to a light-source adjustment model, and applying said light-source element to produce said output.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2008/053052

A. CLASSIFICATION OF SUBJECT MATTER
 INV. H05B37/02
 ADD. G01J3/46

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)
 G09G H04N H05B G01J

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 practical, search terms used)
 EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7 236 154 B1 (KERR DUNCAN [US] ET AL) 26 June 2007 (2007-06-26) abstract column 2, line 1 - line 20 column 4, line 59 - column 5, line 29	1,3-7, 14-16, 18-21,27
A	figures 1,2	17
Y	US 2002/180973 A1 (MACKINNON NICHOLAS B [CA] ET AL) 5 December 2002 (2002-12-05) abstract page 1, paragraph 9 page 2, paragraph 16 - paragraph 17 page 4, paragraph 50 - page 5, paragraph 51 page 8, paragraph 73 - paragraph 74	1,3-7, 14-16, 18-21,27
A	figures 1,16	17
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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 document 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 another 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.
 - *Z* document member of the same patent family

Date of the actual completion of the international search 16 December 2008	Date of mailing of the international search report 30/03/2009
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Bouffier, Alexandre
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INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 379 082 A (KONINKL PHILIPS ELECTRONICS NV [NL]) 7 January 2004 (2004-01-07) abstract page 2, paragraph 7 -----	1, 3-7, 14-21, 27

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2008/053052

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 allsearchable 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.:

1, 3-7, 14-21, 27

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: 1,3-7,14-21,27

Ambient-light-adaptive light source adjustment using an adjustment model.

2. claims: 2,28

Accurate calibration for a light source using a calibration light guide.

3. claims: 8-13,29

Accurate ambient-light-adaptive display adjustment taking both Correlated Colour Tempertaure (CCT) and intensity of the ambient light into account.

4. claims: 22-26

Improvement of ambient light measurement using continuous spatial weighting.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2008/053052

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7236154	B1	26-06-2007	NONE
US 2002180973	A1	05-12-2002	NONE
EP 1379082	A	07-01-2004	AT 297634 T 15-06-2005
		DE 60204557 D1	14-07-2005
		DE 60204557 T2	16-03-2006