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2596184 7 August 2007 (07.08.2007) CA(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
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Declarations under Rule 4.17:

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DISCRIMINATING MODULATED LIGHT IN A MIXED LIGHT SYSTEM

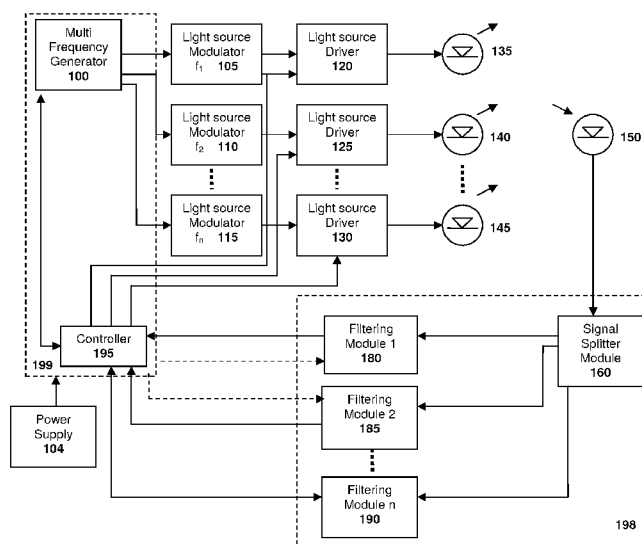


FIGURE 1

(57) Abstract: Methods and apparatus are disclosed for providing optical emission feedback control for an illumination system comprising mixed light including light from a first light source (135) and a second light source (140). Each light source is driven by a drive current configured using a control and/or modification signal associated with that light source. The control signal in turn can be configured using a modification signal associated with the light source. An optical signal indicative of the mixed light is generated, for example using an optical sensor (150), and the optical signal is processed based on a reference signal to provide measurements indicative of light from each light source, which are used for feedback control of the illumination system. The reference signals can be generated locally or based on a corresponding control or modification signal. To provide measurements for a light source, processing (198) of the optical signal can comprise mixing (235) and compensation (255) operations based on control and/or modification signals associated with that light source.



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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))* — *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))*
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INTERNATIONAL SEARCH REPORT

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INV. H05B33/08

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

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, INSPEC, 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 2004/057923 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; ZWANENBURG MICHEL J [US]; GAINES) 8 July 2004 (2004-07-08) page 1, lines 13-22 page 3, line 32 - page 14, line 4 -----	1-27
X	EP 1 635 617 A2 (AGILENT TECHNOLOGIES INC [US] AVAGO TECH ECBU IP SG PTE LTD [SG]) 15 March 2006 (2006-03-15) paragraph [0014] paragraph [0019] paragraph [0024] - paragraph [0032] -----	1-27
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☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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