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(54) Title: METHOD FOR MAXIMIZING THE PERFORMANCE OF A LUMINAIRE

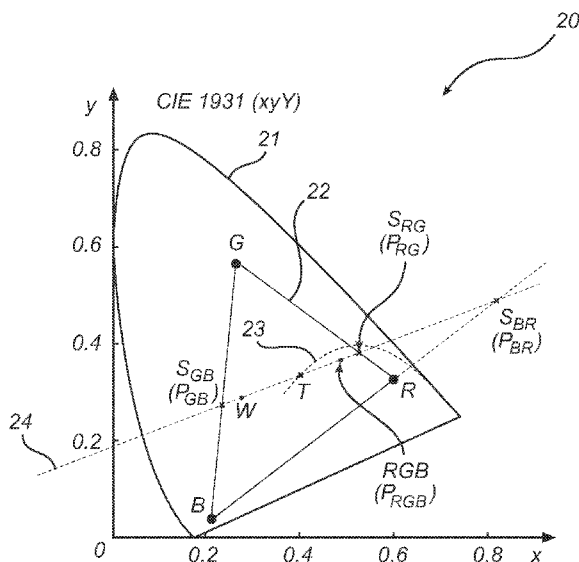


Fig. 2

(57) Abstract: A method for maximizing the performance of a luminaire (1) emitting light is provided, which method comprises determining a target color point (T) corresponding to a predetermined color, providing a first light source (2) emitting light at a fixed reference color point (W), and providing a second light source (4) being able to emit light at an adjustable color point (RGB). Said adjustable color point (RGB) is selected such that a combination of light emitted by the first and the second light sources (2, 4) together produces light at the target color point (T), wherein the adjustable color point (RGB) is selected based on the position of the target color point (T) and the reference color point (W) for maximizing the performance of the luminaire (1). With the provision of a solution in accordance with the present invention, fewer computations need to be performed in order to maximize the illumination performance of the luminaire (1).

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. H05B33/08 ADD.		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED.</b>		
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, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2006/052561 A2 (DU PONT [US]; RODRIGUES ALLAN BLASE JOSEPH [US]) 18 May 2006 (2006-05-18) the whole document	1-15
A	US 2008/291669 A1 (ROBERTS JOHN K [US] ET AL) 27 November 2008 (2008-11-27) paragraph [0014] - paragraph [0017] paragraph [0096] - paragraph [0099]; figure 5	1, 11, 14, 15
X	US 2007/139677 A1 (KWAK YOUNG-SHIN [KR] ET AL) 21 June 2007 (2007-06-21) paragraph [0031] - paragraph [0039] paragraphs [0056], [0057] claims 5,15; figures 1,2	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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. *&* document member of the same patent family		
Date of the actual completion of the international search  <p align="center">16 June 2010</p>		Date of mailing of the international search report  <p align="center">05/07/2010</p>
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  <p align="center">Henderson, Richard</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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