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07122892.8 11 December 2007 (11.12.2007) EP(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

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(54) Title: CAMERA ILLUMINATION DEVICE

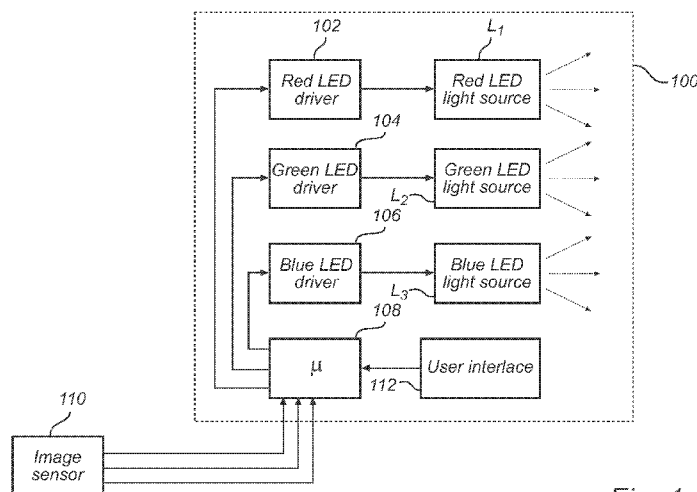


Fig. 1

(57) **Abstract:** The present invention relates to a method for illuminating a scene having an average lighting setting, the method comprising the steps of receive scene information from an image sensor (110) comprising a plurality of pixels, determine chromaticity coordinates for the scene based on the scene information, and determine, based on the chromaticity coordinates, control values used for driving the at least two differently colored light sources (L_1 , L_2 , L_3), thereby allowing for illumination of the scene without essentially changing the average lighting setting of the scene. The present invention provides for the possibility to in a more precise way match the average lighting setting of the scene, wherein it is possible to produced light that assure a more natural rendering of illuminated objects in the scene. In comparison to the prior art, for light sources which have spectra far from the black body curve, the chromaticity coordinates are a better representation of the color of ambient light illuminating the scene than when using the correlated color temperature. The present invention also relates to a corresponding illumination device (100).



— *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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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)
 G03B H04N

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, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	paragraphs [0011] - [0021], [0059], [0131], [0132]	3-8,10, 12,13, 17,19
X	EP 1 465 437 A (HEWLETT PACKARD DEVELOPMENT CO [US]) 6 October 2004 (2004-10-06) paragraphs [0011], [0022] - [0027]	1,2,9, 11,15,16
Y	US 2002/131635 A1 (COOPER TED J [US]) 19 September 2002 (2002-09-19) paragraphs [0055] - [0059] figure 7	3,4,7,8, 12,13
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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