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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: SYSTEM AND METHODS FOR DAYLIGHT-INTEGRATED ILLUMINATION CONTROL

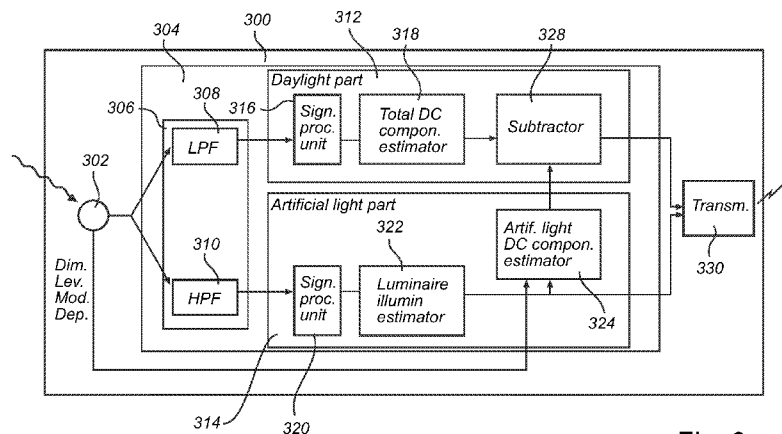


Fig. 3

(57) Abstract: A light detector arranged to determine a daylight contribution and an artificial light contribution to a combined illumination level wherein the artificial light comprises individual light coding modulation. The detector comprises: - a photo-sensor arranged to detect the illumination level at its position, and generate an illumination signal; and - a calculator, connected with the photo-sensor for receiving the illumination signal, and arranged to calculate the daylight contribution and the artificial light contribution and output corresponding daylight and artificial light signals. The calculator comprises: - an electronic filter arranged to prepare the illumination signal for estimation of the daylight and artificial light contributions; - a daylight part and an artificial light part, respectively connected to the electronic filter. The artificial light part comprises an artificial light DC component estimator, and the daylight part comprises a total DC component estimator, and a subtractor connected to the total DC component estimator and to the artificial light DC component estimator, and being arranged to determine the daylight contribution as the difference between their outputs. The artificial light DC component estimator is arranged to include present luminaire dimming level data and modulation depth data regarding the light coding modulation in a basis of its estimation.





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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 2005/110416 A1 (VESKOVIC DRAGAN [US]) 26 May 2005 (2005-05-26) paragraphs [0017], [0092], [0165]; claim 1; figures 1,2 -----	1,10		
A	ASHISH PANDHARIPANDE ET AL: "Daylight integrated illumination control of LED systems based on enhanced presence sensing", ENERGY AND BUILDINGS, LAUSANNE, CH, vol. 43, no. 4, 14 December 2010 (2010-12-14), pages 944-950, XP028359529, ISSN: 0378-7788, DOI: 10.1016/J.ENBUILD.2010.12.018 [retrieved on 2010-12-24] the whole document ----- -/--	1,10		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> See patent family annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

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