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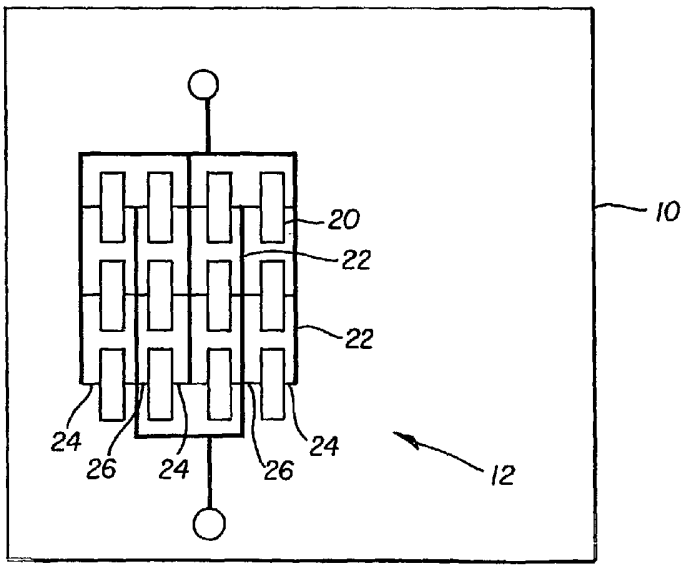
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[Continued on next page]

(54) Title: OLED DISPLAY WITH COMPOSITE PHOTOSENSOR



(57) Abstract: An OLED display and photo-sensor is described, comprising: a substrate; a composite light sensor made up of a plurality of individual thin-film light sensitive elements located over the substrate and connected in parallel to provide a common signal; a first transparent electrode located over the composite light sensor; one or more organic layers comprising an OLED located on the transparent electrode and emitting light through the transparent electrode and to the composite light sensor; and a second electrode located on the one or more organic layers comprising an OLED. The OLED display device provides a means to measure the light output of the OLED display device while maximizing the light output and is useful in measuring incident ambient illumination.

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B. FIELDS SEARCHED

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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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/038798 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED; SMITH, EUAN, CHRISTOPHER; ROUTLE) 8 May 2003 (2003-05-08) page 3, paragraph 2 page 7, paragraph 2 page 9, paragraph 3 page 10, paragraph 3 page 16, paragraph 6; figure 4b page 17, last paragraph	1-21
A	US 2004/031965 A1 (FORREST STEPHEN R ET AL) 19 February 2004 (2004-02-19) paragraphs '0005!, '0019!, '0034!, '0039!, '0045!; figure 3	1-21

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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