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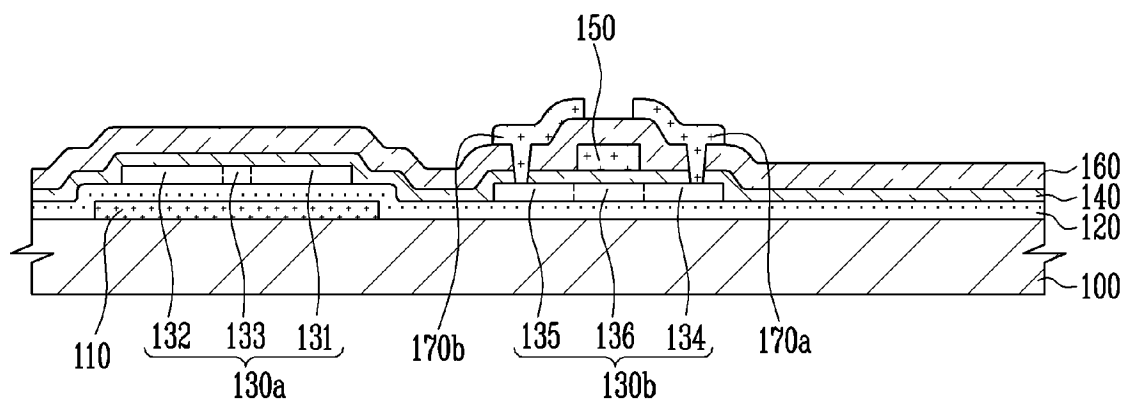
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(54) **Organic light emitting display and method of manufacturing the same**

(57) An organic light emitting display includes an organic light emitting diode formed on a substrate, coupled to a transistor; a photodiode formed on the substrate and including a semiconductor layer including a high-concentration P doping region, an intrinsic region with defects

and a high-concentration N doping region; and a controller that uniformly controls the luminance of light emitted from the organic light emitting diode by controlling a voltage applied to the first electrode and the second electrode according to the voltage outputted from the photodiode.

FIG. 2





EUROPEAN SEARCH REPORT

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EP 08 16 4244

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Y	WO 2005/081810 A (NUELIGHT CORP [US]; NAUGLER W EDWARD JR [US]; REDDY DAMODER [US]) 9 September 2005 (2005-09-09) * page 25, line 38 - page 27, line 14; figure 9 *	1-10	
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Y	WO 2004/109641 A (KONINKL PHILIPS ELECTRONICS NV [NL]; YOUNG NIGEL D [GB]) 16 December 2004 (2004-12-16) * page 10, line 22 - page 13, line 2; figure 6 *	1-10	TECHNICAL FIELDS SEARCHED (IPC) H01L
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 March 2009	Examiner Bernabé Prieto, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	有机发光显示器及其制造方法		
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当前申请(专利权)人(译)	三星DISPLAY CO. , LTD.		
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其他公开文献	EP2037503A2 EP2037503B1		
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摘要(译)

有机发光显示器包括形成在基板上的有机发光二极管，其耦合到晶体管；光电二极管，形成在基板上，包括半导体层，该半导体层包括高浓度P掺杂区，具有缺陷的本征区和高浓度N掺杂区；控制器，通过根据从光电二极管输出的电压控制施加到第一电极和第二电极的电压，均匀地控制从有机发光二极管发出的光的亮度。

