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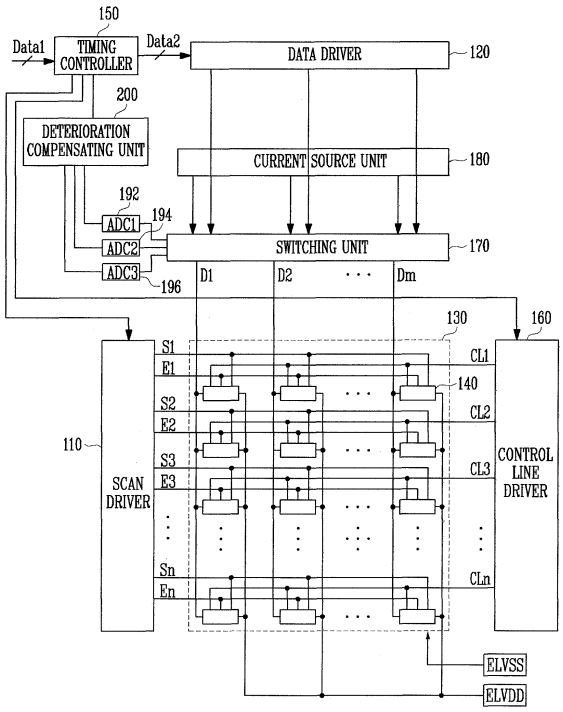
(54) **Organic light emitting display and method of driving the same**

(57) An organic light emitting display capable of compensating for the deterioration of organic light emitting diodes (OLED) while sharing an analog-to-digital converter (ADC) (192) includes sub pixels (140) positioned at the intersections of scan lines and data lines, a current source unit (180) for supplying a predetermined current to the organic light emitting diodes (OLED) in a sensing period for detecting deterioration information of the OLEDs included in the sub pixels, at least one analog-to-digital converter (ADC) to convert a voltage applied to the OLEDs into a digital signal, and a switching unit (170) for coupling the data lines to the current source unit in the sensing period and for sequentially coupling the at least one ADC to the data lines in the sensing period.

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 09 15 0959

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X	EP 1 879 171 A (THOMSON LICENSING [FR]) 16 January 2008 (2008-01-16) * paragraphs [0003] - [0011], [0032] - [0039]; figure 1 *	10,11	
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A	US 2006/022206 A1 (HAYAKAWA MASAHIKO [JP] ET AL) 2 February 2006 (2006-02-02) * paragraphs [0070] - [0077]; figure 11 *	2	TECHNICAL FIELDS SEARCHED (IPC) G09G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	2 November 2009	Pichon, Jean-Michel

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	有机发光显示器及其驱动方法		
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[标]申请(专利权)人(译)	三星显示有限公司 汉阳大学校产学协力团		
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当前申请(专利权)人(译)	产学合作基础HANYANG 三星DISPLAY CO.，LTD.		
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优先权	1020080006143 2008-01-21 KR		
其他公开文献	EP2081177A2		
外部链接	Espacenet		

摘要(译)

能够在共享模数转换器（ADC）（192）的同时补偿有机发光二极管（OLED）的劣化的有机发光显示器包括位于扫描线和数据线的交叉点处的子像素（140）。 ，电流源单元（180），用于在用于检测包括在子像素中的OLED的劣化信息的感测周期中向有机发光二极管（OLED）提供预定电流，至少一个模数转换器（ADC） ）将施加到OLED的电压转换成数字信号，以及用于在感测周期中将数据线耦合到电流源单元并且用于将至少一个ADC顺序地耦合到数据线中的数据线的切换单元（170）。传感期。

FIG. 1