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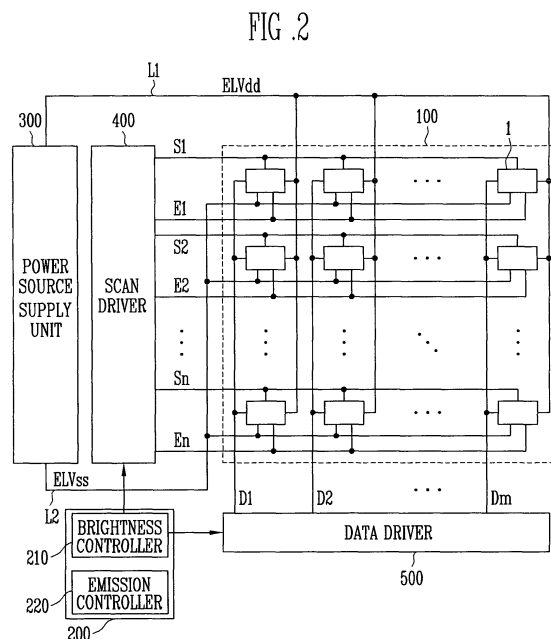
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(54) **Light emitting display with adaptive gamma correction**

(57) A light emitting display device for controlling brightness according to ambient light brightness and emission amount of a display region. The light emitting display device includes a display region including a pixel adapted to emit light in response to data, scan, and emission control signals, a controller for controlling brightness of the display region, a scan driver for supplying the scan signal and controlling a signal width of the emission control signal according to a signal from the controller, a data driver for transmitting the data signal corresponding to video data, the data signal being corrected using a gamma correcting signal from the controller, and a power source supply unit for supplying power to the display region. The controller outputs the gamma correcting signal corresponding to ambient light and controls an amount of current supplied to the display region according to a sum of the video data in one frame.





EUROPEAN SEARCH REPORT

Application Number
EP 06 25 1599

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Y	US 2003/218583 A1 (HASAGAWA HIROSHI [JP]) 27 November 2003 (2003-11-27) * figures 1,4,5 * * paragraph [0011] - paragraph [0013] * * paragraph [0053] - paragraph [0058] *	1-2,7-21	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 October 2009	Examiner Husselin, Stephane
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
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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27-10-2009

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专利名称(译)	具有自适应伽马校正的发光显示器		
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[标]申请(专利权)人(译)	三星斯笛爱股份有限公司		
申请(专利权)人(译)	三星SDI CO. , LTD.		
当前申请(专利权)人(译)	三星DISPLAY CO. , LTD.		
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优先权	1020050035784 2005-04-28 KR		
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摘要(译)

一种发光显示装置，用于根据环境光亮度和显示区域的发光量来控制亮度。该发光显示装置包括显示区域，该显示区域包括适于响应于数据，扫描和发射控制信号发光的像素，用于控制显示区域的亮度的控制器，用于提供扫描信号和控制信号的扫描驱动器根据来自控制器的信号的发射控制信号的宽度，用于发送对应于视频数据的数据信号的数据驱动器，使用来自控制器的伽马校正信号校正数据信号，以及用于供电的电源供应单元到显示区域。控制器输出对应于环境光的伽马校正信号，并根据一帧中的视频数据的总和提供控制提供给显示区域的电流量。

