



(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
05.07.2006 Bulletin 2006/27

(51) Int Cl.:
G09G 3/32^(2006.01)

(43) Date of publication A2:
26.10.2005 Bulletin 2005/43

(21) Application number: 05290864.7

(22) Date of filing: 19.04.2005

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

(72) Inventor: **Kawase, Kimitaka**,
c/o Sony Corporation
Tokyo (JP)

(74) Representative: **Desormiere, Pierre-Louis et al**
Cabinet Beau de Loménie,
158, rue de l'Université
75340 Paris Cedex 07 (FR)

(30) Priority: 19.04.2004 JP 2004122628

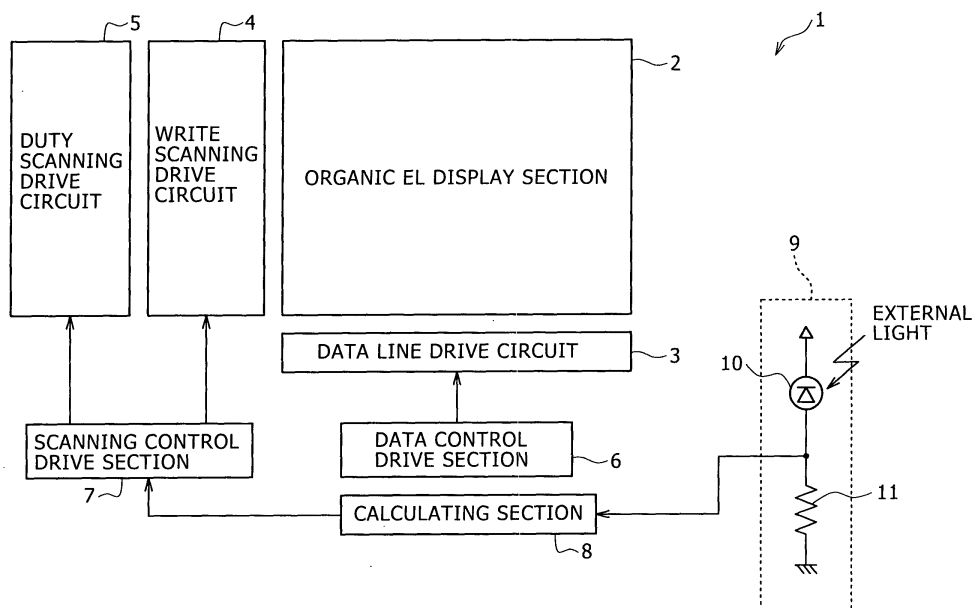
(71) Applicant: **SONY CORPORATION**
Tokyo (JP)

(54) Active matrix display device and method of driving the same

(57) An organic EL active matrix type of display apparatus (1) includes an illuminance detector (9) for detecting brightness of an ambient environment, a calculating section (8) for calculating a brightness set value corresponding to an output from the illuminance detector (9), and a duty scanning drive circuit (5) as a control unit for controlling a light emission period of time of an organic

EL element according to the brightness set value calculated in this calculating section. The light emission period of time of the organic EL element can be controlled according to a percentage (duty) of a light emission period of time within one scanning cycle. With this duty control, display brightness can easily and smoothly be adjusted. Further the dynamic range is not narrowed, so high image quality can be maintained even at a dark place.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 29 0864

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 19 May 2006	Examiner Njibamum, D
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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EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 29 0864

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19-05-2006

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专利名称(译)	有源矩阵显示装置及其驱动方法		
公开(公告)号	EP1589518A3	公开(公告)日	2006-07-05
申请号	EP2005290864	申请日	2005-04-19
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
发明人	KAWASE, KIMITAKA, C/O SONY CORPORATION		
IPC分类号	G09G3/32 H01L51/50 G09F9/30 G09G3/20 G09G3/30 H01L27/32		
CPC分类号	G09G3/3233 G09G3/2014 G09G3/3241 G09G2300/0842 G09G2300/0861 G09G2320/0626		
优先权	2004122628 2004-04-19 JP		
其他公开文献	EP1589518A2		
外部链接	Espacenet		

摘要(译)

有机EL有源矩阵型显示装置(1)包括用于检测周围环境亮度的照度检测器(9)，用于计算与来自照度检测器(9)的输出相对应的亮度设定值的计算部分(8)作为控制单元的占空扫描驱动电路(5)，用于根据在该计算部分中计算的亮度设定值来控制有机EL元件的发光时间段。可以根据一个扫描周期内的发光时间段的百分比(占空比)来控制有机EL元件的发光时间段。通过此占空比控制，可以轻松，平稳地调整显示亮度。此外，动态范围不会变窄，因此即使在暗处也可以保持高图像质量。

