



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
01.08.2007 Bulletin 2007/31

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

(43) Date of publication A2:
21.03.2007 Bulletin 2007/12

(21) Application number: **06254884.7**

(22) Date of filing: **20.09.2006**

(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 LV MC NL PL PT RO SE SI SK TR
 Designated Extension States:
AL BA HR MK YU

(72) Inventor: **Shin, Dony Yong**
c/o Samsung SDI Co, Ltd
Yongin-Si, Gyeonggi-do (DE)

(74) Representative: **Mouteney, Simon James**
Marks & Clerk
90 Long Acre
London WC2E 9RA (GB)

(30) Priority: **20.09.2005 KR 20050087425**

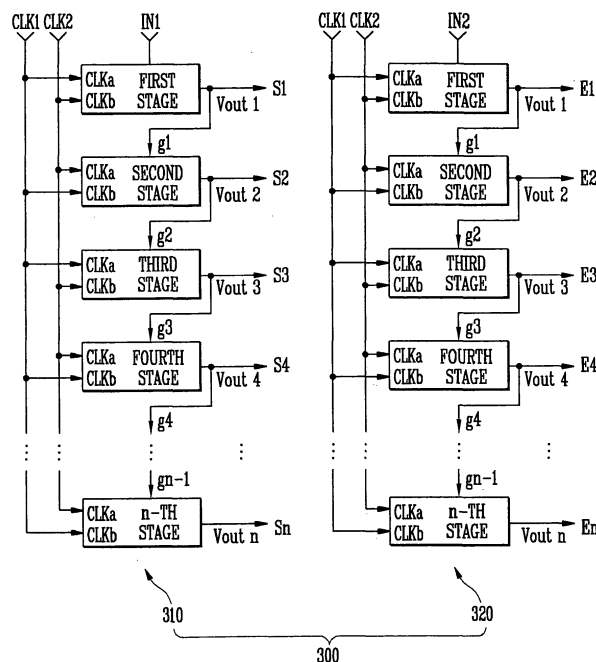
(71) Applicant: **Samsung SDI Co., Ltd.**
Suwon-si,
Gyeonggi-do (KR)

(54) **Scan driving circuit and organic light emitting display using the same**

(57) A scan driving circuit and an organic light emitting display using the same. A first scan driver having a plurality of first stages sequentially outputs a selection signal, and a second scan driver having a plurality of

second stages sequentially outputs an emission signal. Each of the first and second stages are configured so as to have substantially zero static current, and operation speed can be optimized without significant increase in power consumption.

FIG. 7





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	JP 2004 325940 A (TOSHIBA MATSUSHITA DISPLAY TEC) 18 November 2004 (2004-11-18) * abstract * * figures 1,2 *	1,7-18	INV. G09G3/32
Y	----- US 6 392 628 B1 (YAMAZAKI SHUNPEI [JP] ET AL) 21 May 2002 (2002-05-21) * column 2, line 12 - column 5, line 10 * * column 19, line 17 - line 53 * * figures 5,6,21 *	1,7-18	
A	----- US 6 556 646 B1 (YEO JU CHEON [KR] ET AL) 29 April 2003 (2003-04-29) * column 5, line 9 - line 37 * * figures 5,6 *	2-6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G09G G11C
Place of search		Date of completion of the search	Examiner
The Hague		18 June 2007	Ladiray, Olivier
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	

2

EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 25 4884

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-06-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2004325940	A	18-11-2004	NONE	
US 6392628	B1	21-05-2002	EP 1020839 A2	19-07-2000
US 6556646	B1	29-04-2003	GB 2343067 A	26-04-2000
			KR 20000026582 A	15-05-2000

EPO FORM P0469

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	扫描驱动电路和使用其的有机发光显示器		
公开(公告)号	EP1764774A3	公开(公告)日	2007-08-01
申请号	EP2006254884	申请日	2006-09-20
[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)	三星移动显示器有限公司.		
发明人	SHIN, DONY YONG C/O SAMSUNG SDI CO, LTD		
IPC分类号	G09G3/32		
CPC分类号	G09G3/325 G09G3/20 G09G3/3266 G09G2300/0842 G09G2310/0286 G09G2330/021 G11C19/184		
优先权	1020050087425 2005-09-20 KR		
其他公开文献	EP1764774A2 EP1764774B1		
外部链接	Espacenet		

摘要(译)

扫描驱动电路和使用其的有机发光显示器。具有多个第一级的第一扫描驱动器顺序输出选择信号，具有多个第二级的第二扫描驱动器顺序输出发射信号。第一级和第二级中的每一级被配置为具有基本为零的静态电流，并且可以优化操作速度而不会显著增加功耗。

FIG. 7

