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

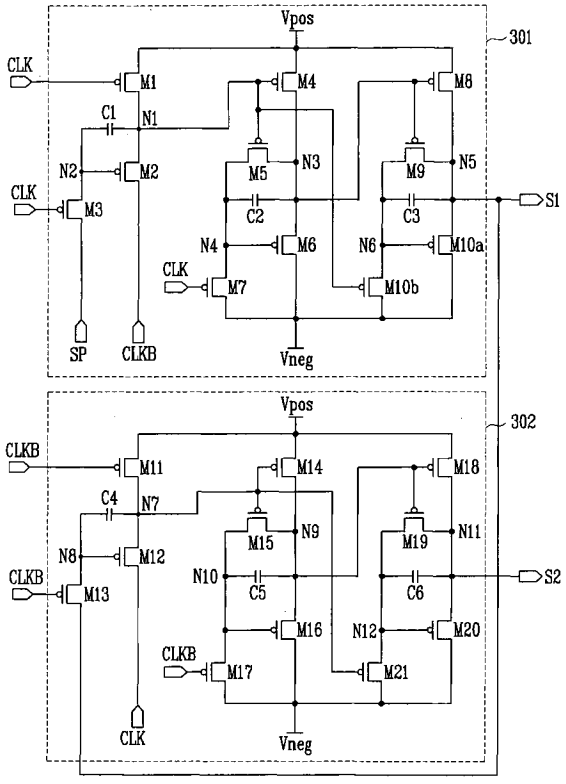
(72) Inventor: **Chung, Bo Yong**
Gyeonggi-do (KR)

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

(54) Scan driver and scan signal driving method and organic light emitting display using the same

(57) A scan driver includes a plurality of stages connected to each other in series, each of the stages comprised of either all NMOS transistors, or all PMOS transistors, and configured to receive a clock signal, a clock bar signal, and an input signal. Each stage includes a first circuit that is configured to store a first supply voltage and a second supply voltage in response to the input signal and one of the clock signal or the clock bar signal. The first supply voltage and the second supply voltage each correspond to a voltage of the input signal, and provide a first output signal that corresponds to the second supply voltage in response to the second supply voltage being output from a previous stage of the series of stages, and the other of the clock signal or the clock bar signal.

FIG. 4



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EUROPEAN SEARCH REPORT

Application Number
EP 07 25 3750

DOCUMENTS CONSIDERED TO BE RELEVANT

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E	EP 1 843 317 A (SAMSUNG SDI CO LTD [KR]) 10 October 2007 (2007-10-10) * paragraphs [0001], [0050], [0051] * * paragraphs [0058], [0059], [0136] * * figures 3,5,7A *	1-4, 11-13	INV. G09G3/32 G11C19/18
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X	JP 58 182196 A (SONY CORP) 25 October 1983 (1983-10-25) * abstract; figures 5,6 *	1-4, 11-13	TECHNICAL FIELDS SEARCHED (IPC)
X	US 4 084 106 A (ULLRICH MANFRED FRITZ) 11 April 1978 (1978-04-11) * column 1, line 7 - line 21 * * column 2, line 44 - column 3, line 4 * * column 3, line 49 - column 5, line 38 * * figures 1,3 *	1-4, 11-13	G11C G09G
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	15 April 2009	Ladiray, Olivier

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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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. EP 07 25 3750

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15-04-2009

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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)	扫描驱动器和扫描信号驱动方法以及使用其的有机发光显示器		
公开(公告)号	EP1903552A3	公开(公告)日	2009-05-27
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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)	三星移动显示器有限公司.		
[标]发明人	CHUNG BO YONG		
发明人	CHUNG, BO YONG		
IPC分类号	G09G3/32 G11C19/18		
CPC分类号	G09G3/3225 G09G3/3266 G09G2300/0809 G11C19/184		
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其他公开文献	EP1903552B1 EP1903552A2		
外部链接	Espacenet		

摘要(译)

扫描驱动器包括彼此串联连接的多个级，每个级包括所有NMOS晶体管或所有PMOS晶体管，并且被配置为接收时钟信号，时钟条信号和输入信号。每个级包括第一电路，该第一电路被配置为响应于输入信号以及时钟信号或时钟条信号之一存储第一电源电压和第二电源电压。第一电源电压和第二电源电压各自对应于输入信号的电压，并响应于从该系列级的前一级输出的第二电源电压而提供对应于第二电源电压的第一输出信号。 ，以及时钟信号或时钟信号的另一个。

FIG. 4