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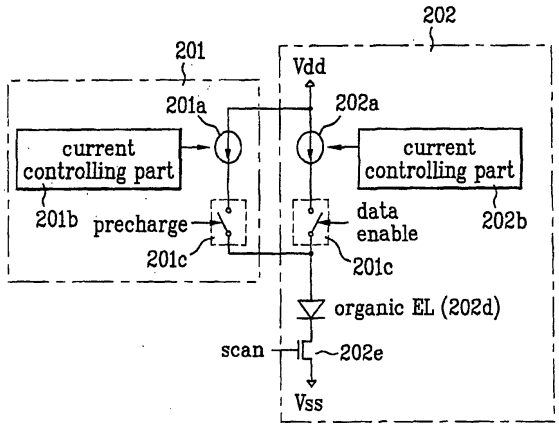
(54) Circuit and method for driving display of current driven type

(57) The present invention relates to circuit for driving a display of current driven type, and more particularly, to circuit and method for driving a display of current driven type, in which a pre-charging static power source is provided separately for implementing a low power consumption. The present invention includes A circuit for driving a display of current driven type comprises an organic EL pixel, a scan driving part for making the pixel to emit a light in response to a scan signal, a first static current source for being controlled so as to be turned on/off in response to a data enable signal, to supply a current to the pixel, a second static current source for being controlled so as to be filmed on/off in response to a precharge signal, to supply a current to the pixel for precharging the pixel, and a controlling part for controlling amounts of the currents from the static current sources.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 02 01 4906

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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
MUNICH	2 February 2004	Harke, M

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
O : non-written disclosure
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D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

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Application Number
EP 02 01 4906

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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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
MUNICH	2 February 2004	Harke, M

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& : member of the same patent family, corresponding document

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专利名称(译)	用于驱动电流驱动型显示器的电路和方法		
公开(公告)号	EP1274065A3	公开(公告)日	2004-03-24
申请号	EP2002014906	申请日	2002-07-05
申请(专利权)人(译)	LG电子株式会社.		
当前申请(专利权)人(译)	LG电子株式会社.		
[标]发明人	KIM HAK SU NA YOUNG SUN KWON OH KYONG		
发明人	KIM, HAK SU NA, YOUNG SUN KWON, OH KYONG		
IPC分类号	H01L51/50 G09G3/20 G09G3/30 G09G3/32		
CPC分类号	G09G3/3216 G09G3/2014 G09G3/3283 G09G2310/0248 G09G2310/06		
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其他公开文献	EP1274065A2		
外部链接	Espacenet		

摘要(译)

本发明涉及用于驱动电流驱动型显示器的电路，更具体地说，涉及用于驱动电流驱动型显示器的电路和方法，其中单独提供预充电静态电源以实现低功耗。 。本发明包括用于驱动电流驱动型显示器的电路，包括有机EL像素，用于使像素响应扫描信号发光的扫描驱动部件，用于控制的第一静态电流源，以便控制响应于数据使能信号接通/断开，向像素提供电流，控制第二静态电流源以响应预充电信号进行开/关电流，以向第二静态电流源提供电流。用于对像素进行预充电的像素，以及用于控制来自静态电流源的电流量的控制部分。

FIG. 2