



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 00 6583

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 5 617 091 A (UDA ET AL) 1 April 1997 (1997-04-01) * abstract; figures 4-7,17-20 *	1-3	G09G3/36
A	US 5 796 379 A (ENOMOTO ET AL) 18 August 1998 (1998-08-18) * column 7, line 45 - column 11, line 67; figures 1,2,6 *	1-3	
A	EP 0 852 372 A (SEIKO EPSON CORPORATION) 8 July 1998 (1998-07-08) * column 11, line 26 - column 17, line 25; figures 7-15 *	1-3	
A	EP 1 054 512 A (SEMICONDUCTOR ENERGY LABORATORY CO., LTD) 22 November 2000 (2000-11-22) * figures 1-3 *	1-3	
A	US 5 648 791 A (DATE ET AL) 15 July 1997 (1997-07-15) * abstract; figures 1,15,16,20 *	1-3	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G09G H04N H03M
Place of search		Date of completion of the search	Examiner
Munich		11 January 2006	Fulcheri, A
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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专利名称(译)	参考电压产生电路，显示驱动电路和显示装置		
公开(公告)号	EP1553554A3	公开(公告)日	2006-03-08
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CPC分类号	G09G3/3688 G09G3/2011 G09G3/32 G09G3/3233 G09G3/325 G09G3/3614 G09G3/3685 G09G3/3696 G09G5/06 G09G2300/0842 G09G2300/0861 G09G2310/0248 G09G2310/0251 G09G2310/027 G09G2310/04 G09G2320/0276		
优先权	2002032680 2002-02-08 JP		
其他公开文献	EP1553554A2		
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摘要(译)

一种用于驱动液晶显示器的参考电压产生电路，包括正极性梯形电阻电路，该电路包括分别提供有第一和第二电源电压（VDD，VSS）的第一和第二电源线之间的第一梯形电阻电路（212），以及负极性梯形电阻电路，包括在第一和第二电源线之间的第二梯形电阻电路（222）。第一至第i参考电压输出开关电路（VSW1-VSWi）分别插入第一梯形电阻电路（212）的第一至第i分割节点（ND1-NDi）之间，其中i是大于或等于的整数到2，并且第一到第i个参考电压输出节点（VND1-VNDi）。（i+1）第2至第2i参考电压输出开关电路（VSW（i+1）-VSW2i）分别插入第二梯形电阻器的第（i+1）至第2i分割节点（NDi+1-ND2i）之间电路和第一至第i参考电压输出节点。当极性反转驱动系统在给定极性反转周期中输出的电压的极性反转被重复时，第一至第i参考电压输出切换电路在正极性驱动周期期间接通并且在负极性驱动期间切断。期；第（i+1）至第2i参考电压输出切换电路在正极性驱动期间关闭，在负极性驱动期间接通。

FIG. 10

