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2002 12 20

(21) 10 - 2000 - 0085393  
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(43) 2002 07 10

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(54)

3 가 , 가 , 1

8

1

2 1

3 2 가

4 1

5a 5b 1

6 1 가

7 5 가

8 1

9

10 8 9

11 2

<

2,44 : 4 :

6 : 16,40 :

18,46 : 20,22 :

42 :

가

(2) m (2) (DL1) (2) (DLn) (GL1) (GLm) (4) (6) , (6)  
 (4) (GL1) (GLm) (GL1) (GLm) TFT  
 (DL1) (DLn) (DL1) (DLn) / ,  
 (GL1) (GLm) (DL1) (DLn)

2

2, (6) (Clock) (XGA) 22μs  
 (Gate Out Enable : GOE) (Clock) (GOE)  
 (6) (Clock) (SP) 1 m  
 (GL1 GLm) (4) (GL1 GLm)  
 (SP) (D) (DL1 DLn) (G  
 OE) 1 3 (GOE1 GOE3) 1  
 (GOE1) 3 3i+1(i 0) (GL1, GL4,...) 2  
 (GOE2) 3i+2 (GL2, GL5,...) 3 (GO  
 E3) 3i+3 (GL3, GL6,...) 1 3 (GO  
 GOE1 GOE3) 가 (GL1 GLm) , 1  
 (GOE1) 가 3i+1 (GL1, GL4,...)  
 1 3 (GOE1 GOE3)  
 . 1 (GOE) 3i+1 (GL1, GL4,...) 가  
 (SP) 3i+2 (GL2, GL5,...) 가 (SP)  
 , 1 (GOE1) 3i+2 (GL2, GL5,...) (SP)  
 (Clock) 가 , 3i+1  
 (GL1, GL4,...) (SP)가 , 3i+2 (GL2, G  
 L5,...) (SP)가  
 2 (GOE2) 3i+2 (GL2, GL5,...) 가  
 (SP) 3i+3 (GL3, GL6,...) 가 (SP)  
 3 (GOE3) 3i+3 (GL3, GL6,...) 가 (SP)  
 3i+1 (GL1, GL5,...) 가 (SP)

(2) 4 (6) m - 10 (GLm - 10) (SP)가 ,  
 (16) (16) (18) (18)  
 , (2) , 5a  
 m - 10 (GLm - 10) (16) (20) (1)  
 8) (22) , 5b (16) (20) (20)  
 (24)  
 (Motion Blur) , (2)

, (2) 6 가 6 , (GL),  
 (DL) (CL) TFT , TFT (CL)  
 (Clc) , TFT (GL)  
 gs) , (GL) (GND) (Cst) 7 (C  
 (2) (GL) (Ghv)가 (DL) 가 .  
 (Ghv)가 ( V) ( V) 1

1

$$\Delta V_P = \frac{C_{gs}}{C_{gs} + C_{st} + C_{lc}} (V_{gh} - V_{gl})$$

( , Clc , Vgh , Vgl .)

1 (Cgs), (Cst), (Vgh)  
 (Vgl) , (Clc) , (2)  
 (Clc) ( V) ( V)  
 , (2) ( V) (2)  
 V) (2) ( Clc) ( V) (2)

1 3

가

가

8 10  
 8 1

8 (GL) (SP) 1 (Clock) 2  
 가 (GL1) 32 (GL32) 가 (GL1)  
 ock) 32 (GL32) (SP) , 2 (GOE2) (GL1)  
 (GOE2) (Clock) 가 ) (GOE2) 가  
 (Clock) 32 (GL32) 2 (GOE1)  
 (Clock) (Clock) 가 ) 1 (GOE1)  
 (GL1) 1 (GOE1) 가 (Clock) 1  
 (Clock) (Clock) 가 2 (GL)



1  
2  
가

(57)

1.

가  
1 3 가

2.

1  
1 2 가  
가

3.

1  
1 2 가  
가

4.

1

1  $3i+1(i=0)$  ,

2  $3i+2$  ,

3  $3i+3$

.

5.

4 ,

$3i+1$  가 ,

$3i+2$   $3i+1$  가  $3i+1$  가 ,

가  $3i+1$  , 가 1

$3i+2$  가 1 2 .

6.

4 ,

$3i+2$  가 ,

$3i+3$   $3i+2$  가  $3i+2$  가 ,

가  $3i+2$  , 가 2

$3i+3$  가 2 3 .

7.

4 ,

$3i+3$  가 ,

$3i+1$   $3i+3$  가  $3i+3$  가 ,

가  $3i+3$  , 가 3

$3i+1$  가 3 1 .

8.

4 ,  
 $3i+1$  가 ,  
 $3i+3$   $3i+1$  가 가  $3i+1$  ,  
 가  $3i+1$  , 가 1  
 $3i+3$  가 가 1 3 .  
 가

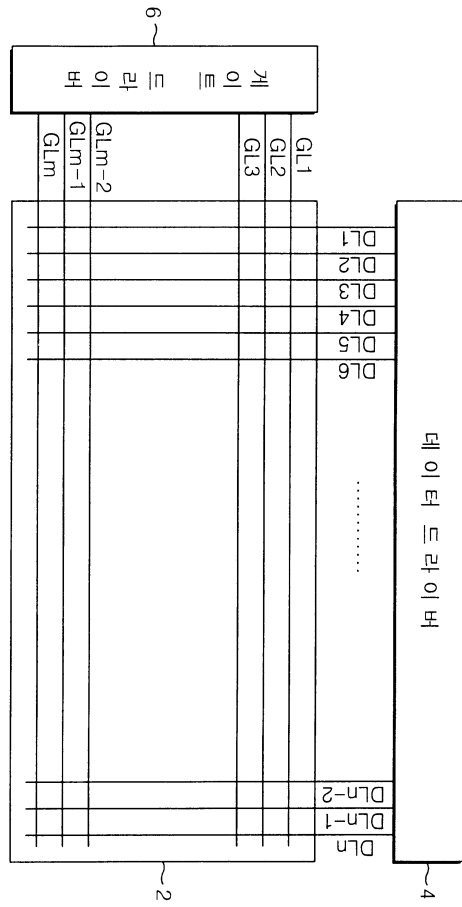
9.

4 ,  
 $3i+2$  가 ,  
 $3i+1$   $3i+2$  가 가  $3i+2$  ,  
 가  $3i+2$  , 가 2  
 $3i+1$  가 가 2 1 .  
 가

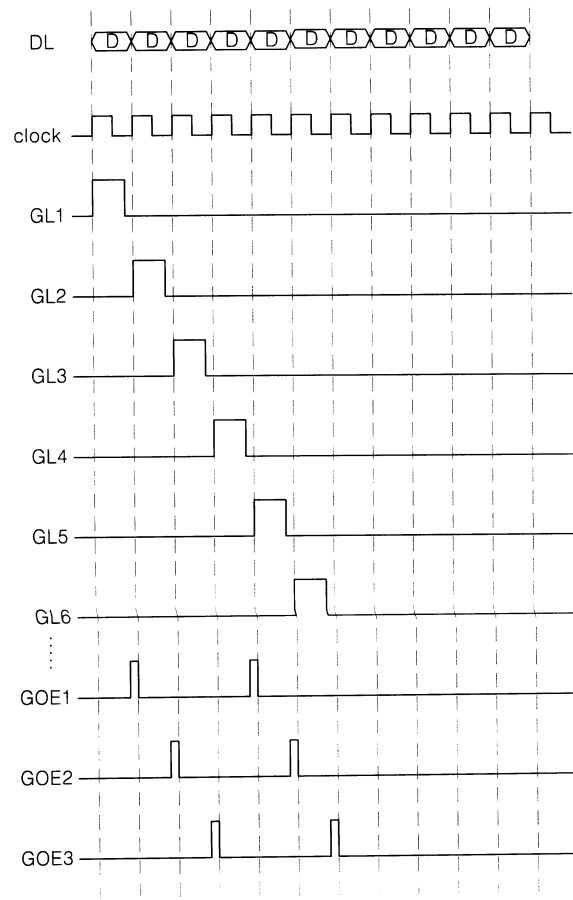
10.

4 ,  
 $3i+3$  가 ,  
 $3i+2$   $3i+3$  가 가  $3i+3$  ,  
 가  $3i+3$  , 가 3  
 $3i+2$  가 가 3 2 .  
 가

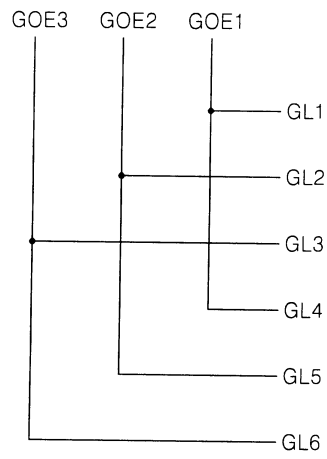
1



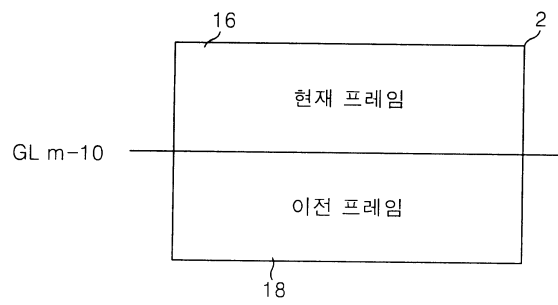
2



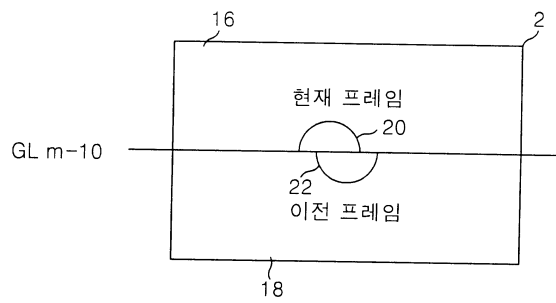
3



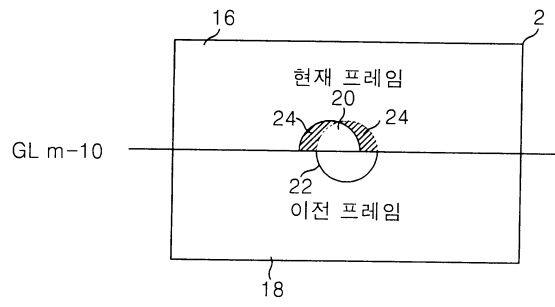
4



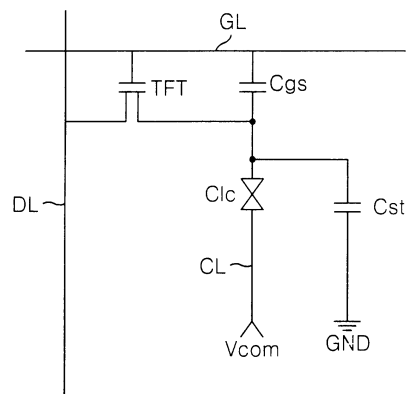
5a



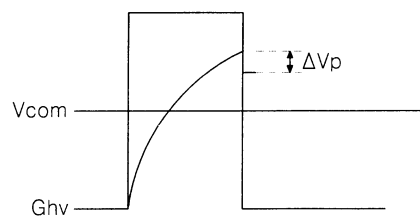
5b

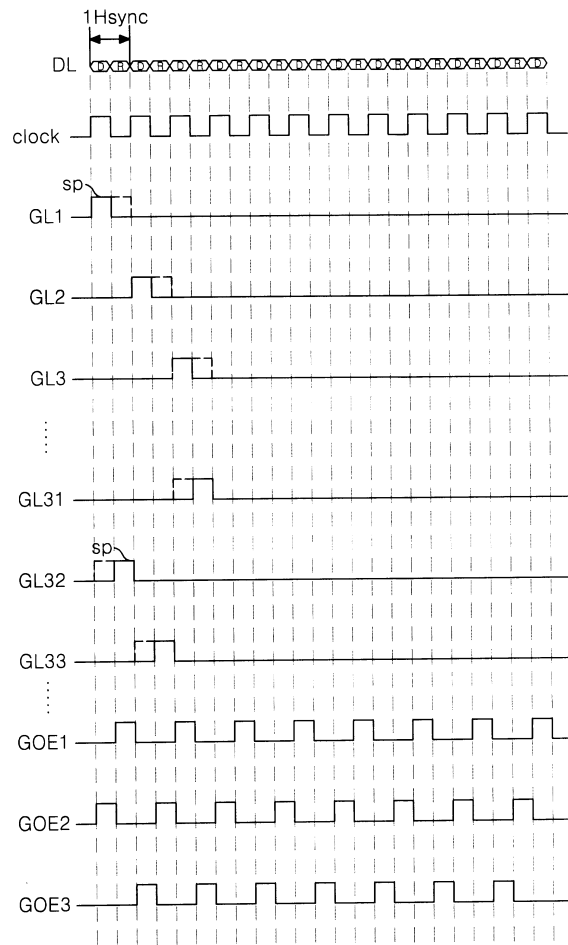


6

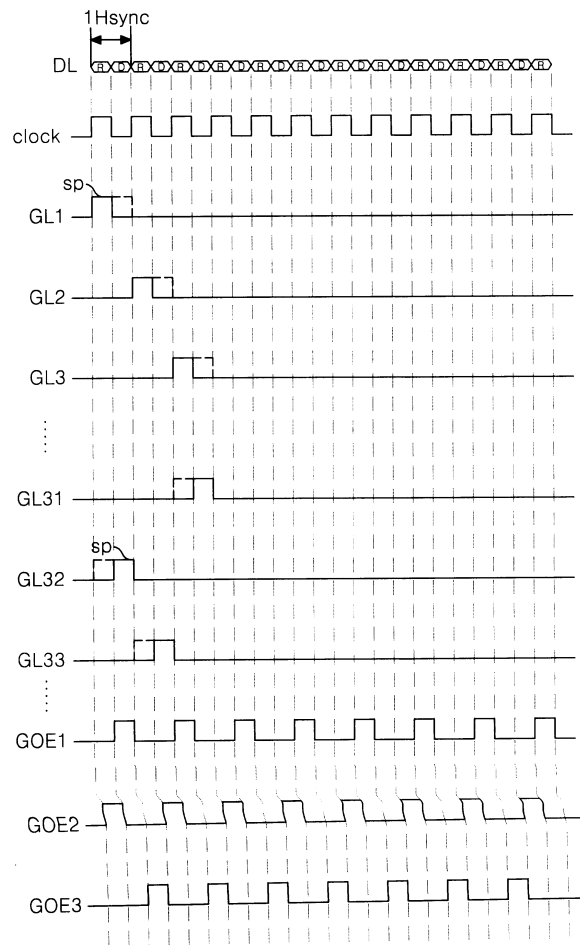


7

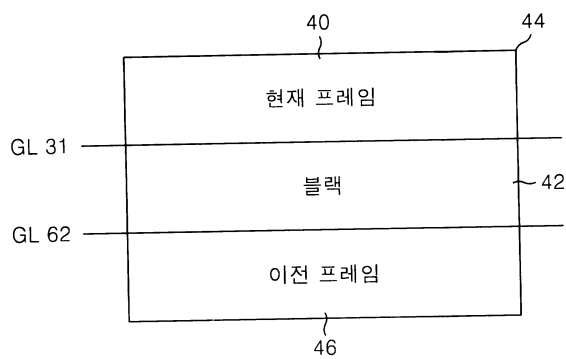




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专利名称(译)	驱动液晶显示装置的方法		
公开(公告)号	<a href="#">KR100367015B1</a>	公开(公告)日	2003-01-09
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[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	PARK KUHYUN 박구현 SON HYEONHO 손현호 PARK JONGJIN 박종진		
发明人	박구현 손현호 박종진		
IPC分类号	G09G3/36		
CPC分类号	G09G2310/061 G09G3/3648 G09G2310/0205 G09G2320/0261		
代理人(译)	KIM , YOUNG HO		
其他公开文献	KR1020020056095A		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

一种驱动液晶显示器的方法，其适于改善图像质量。在该方法中，时钟脉冲被施加到栅极驱动器。第一至第三栅极输出使能信号被施加到栅极驱动器。在时钟脉冲的一个周期期间将扫描脉冲施加到两条栅极线。

