

(19)
(12)

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(A)

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(11)
(43)

2002 - 0056095
2002 07 10

(21) 10 - 2000 - 0085393
(22) 2000 12 29

(71) .
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(72) 1 945 - 3414/2
605 - 212
1067 - 12

(74)
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(54)

가 , 1
3 가 ,

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)

(6) m - 10 (GLm - 10) (SP)가 ,
 (2) 4 m - 10 (GLm - 10) (16) (18)
 . (16) , (18)
 (2) , 5a
 m - 10 (GLm - 10) (16) (20) (1)
 8) (22) , 5b (16) (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) (Clc) (2)
 , (V) (V)
 (2) (Clc) (2) (V)
 V) (2) (V) (2)

1 3

가

가

8 10
 8 1

8 (GL) (SP) 1 (Clock) 2
 가 (GL1) 32 (GL32) 가
 ock) 32 (GL32) (SP) , 2 (GOE2) (GL1)
 (GOE2) (Clock) 가) (GOE2) 가
 (Clock) 32 (GL32) 2 (GOE1)
 (Clock) (Clock) 가) 1 (Clock) 1
 (GL1) 1 (GOE1) 가 (Clock) 1
 (Clock) 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 $3i+1(i \geq 0)$,

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

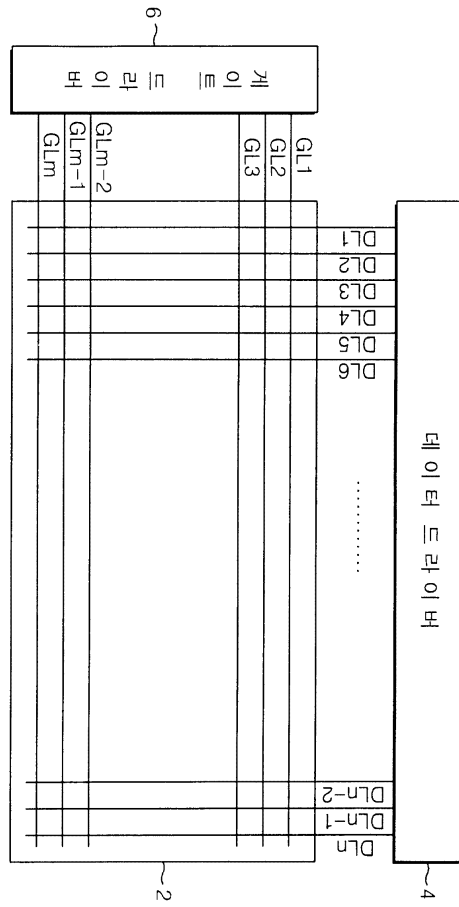
9.

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

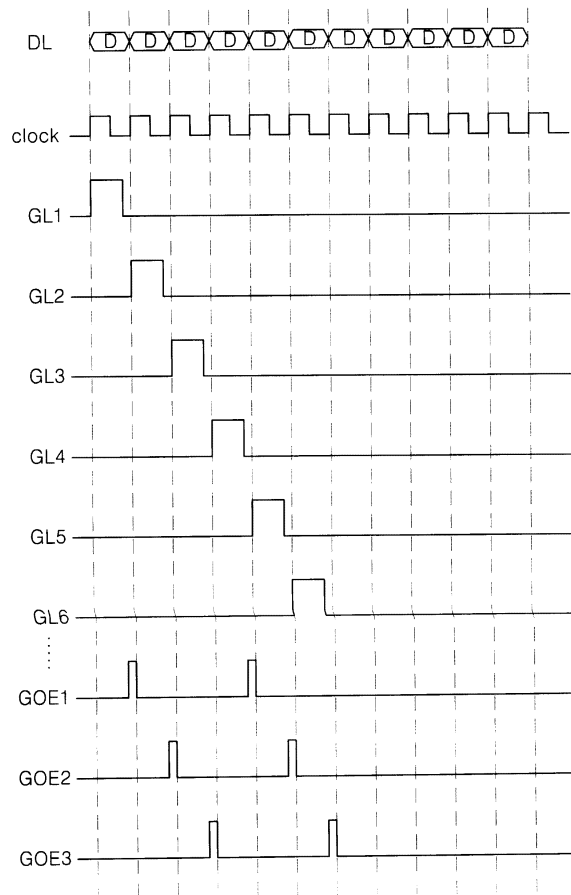
10.

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

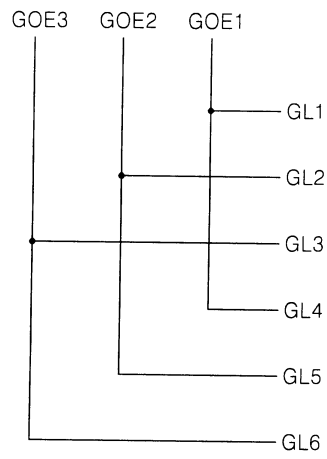
1



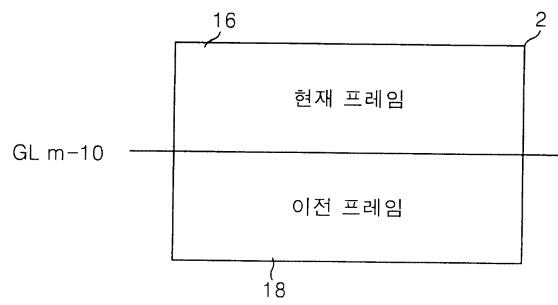
2



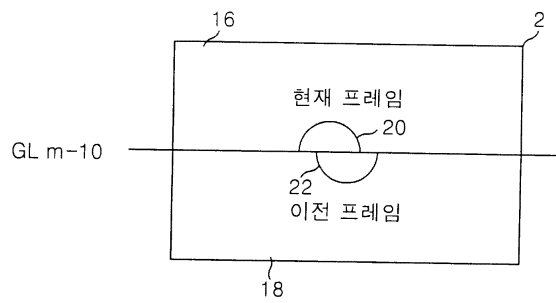
3



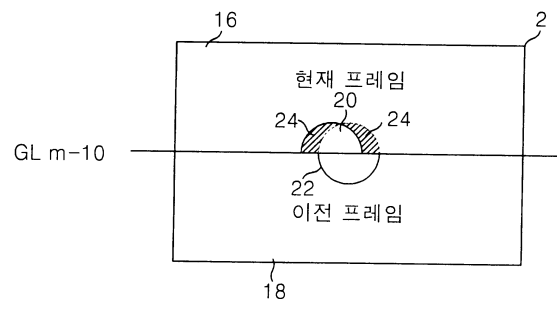
4



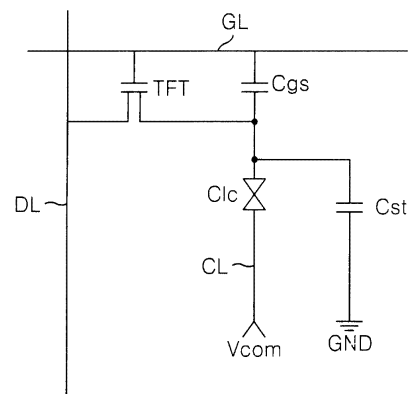
5a



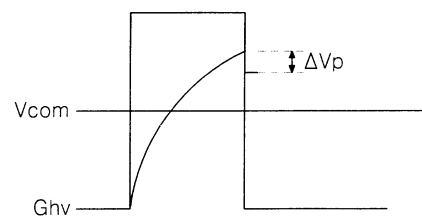
5b



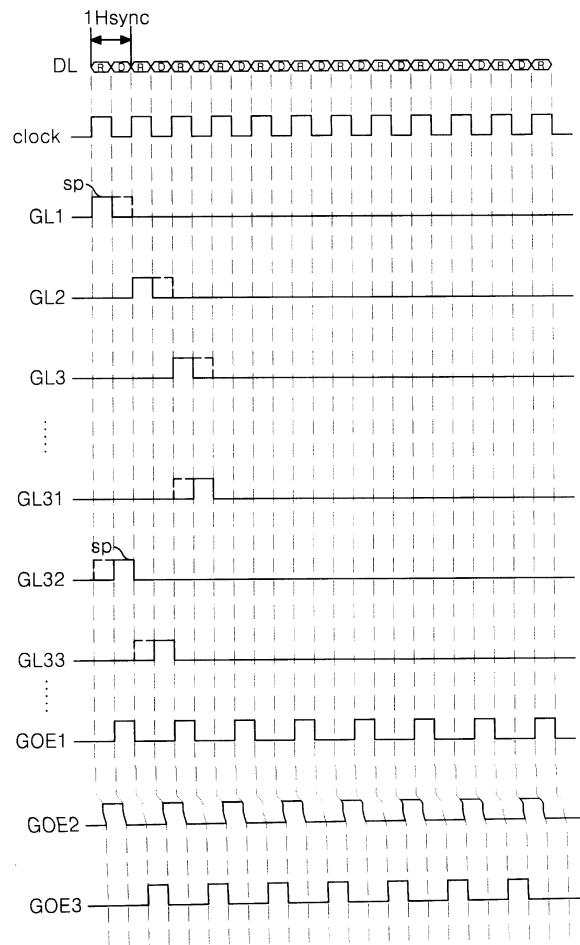
6



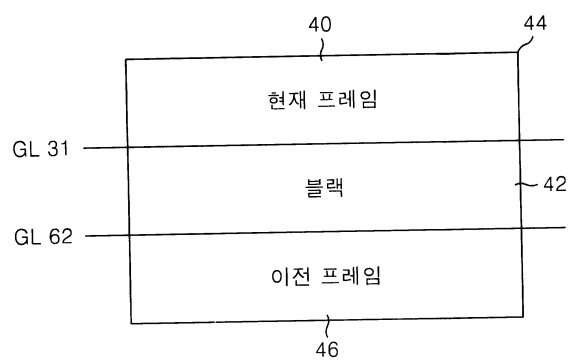
7



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专利名称(译)	驱动液晶显示装置的方法		
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代理人(译)	KIM , YOUNG HO		
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摘要(译)

本发明涉及一种能够改善图像质量的液晶显示装置的驱动方法。根据本发明的驱动液晶显示器的方法包括向栅极驱动器提供时钟脉冲，向栅极驱动器提供第一至第三栅极输出使能信号的步骤，并向扫描电极提供扫描脉冲。 8

