

(19) (KR)
(12) (A)

(51) 。 Int. Cl.⁷ (11) 10-2004-0031579
G02F 1/133 (43) 2004 04 13

(21) 10-2003-0061681
(22) 2003 09 04

(30) JP-P-2002-00291326 2002 10 03 (JP)

(71) 가 가 997

(72) 가 997 가 가

(74)

:

(54)

IC IC ,
, IC 1 IC ,
(502), (503), (504) (101)
IC IC 가 .

2

, , () . ,

1 1 ,

2	1	,
3	1	,
4	1	,
5	1	,
6	1	IC
7	1	,
8	1	,
9	1	,
10		,
11	2	,
12	2	.

[]

100...

101...

102...

200... IC

202, 203, 204... IC

300...

301...

400...

401...

402...

403...

404...

405...

500...

501...

502, 503, 504...

600...

601...

602...XOR

(visibility)

, 1
()

[1]

9-325715 (0002)

[2]

2001-166280 (0023 0029, 1)

가

2

가 , TFT
, 1

IC

IC

IC;

IC ;

IC

1

IC ;

IC ;

1 2

IC

1 2

1 2

[]

< 1>

1 1

1 , nH, nV (100) , 1 (101)

1 (102) IC(200) (400), (102) (401), IC(200) (402), (403)

(300) (300) (404) (101) IC(202), (20

3), (204) , 1 IC nG IC(202), (501)

(203), (204) (500) IC(203) (502), (503), (504)가

IC(202), (203), (204)

2 1

3 1 (normally white liquid crystal display)

3 V0 , V7 , V8 , V15

4 1 (normally black liquid crystal display)

4 V0 , V7 , V8 , V15

5 1

5 V0 , V 7 , V8 , V15

6 1 IC

6 , (600) (500) 가 , (600)

(601) (601) (404)가

(502), (503), (504) XOR (602) , XOR (602)
 (502), (503), (504)가 .

7 1 .

8 1 .

9 1 .

3 4 (404) (301) (301)
 5
 , P N , (301) .

IC(200) , IC(200) 가 ,
 IC(200) 가 .

가 .

(301) , (D/A)

2 .

2 nV=768 nG=256 IC가 3 (101)
 (500) (101)

(502), (503), (504)가 IC(202), (203), (204) IC(2
 00) (402) (402)가
 (301) (404)가

1 (402) (400) IC(200) (404) ,
 IC(200)

가 (404) , 2 (402)

IC(200) IC(200) (400)

(501) , nG (256) (500)
 n .

6 IC(202), (203), (204) 가 I
 C nG TH nGTH , (102)가 (40
 4)가 IC ,

(502), (503), (504)가 .

XOR 6 (502), (503), (504) (XOR)
 (602) (404) (600)
 (601) ,

6 가 , (600) (601) 2 '110'
 (502) (404) ,

(503), (504) (404) 가 . (500) (600)
 , (503) 가 (404) , (601) 2 '101' 가
 . (102) (101)
 , (502), (503), (504) , 1
 .
 n
 가 , 1
 . nG + -nG-
 , 가 (tradeoff)
 1 7 . 1 1 n
 , n 1 n-1 , n
 .
 , 가 .
 IC , 2 (402) (402)
 가 (402) 2 → → ,
 , 가 (ON)
 가
 8 IC 가
 .
 8 (404) (502), (503), (504)
 ,
 IC 8 가 가 가 IC D/A
) 2 , 8 (,
 , , IC
 , 2 가 .
 , 가
 9 ,
 .
 9 가 T2 , (T2 - T1)/2 T1,
 , T2 (T2 - T1)/2
 ,

, IC ,

1 ,

2.

1 ,

IC가 nG IC 가 nGTH TH
??, IC IC 가 , nGTH
가 .

3.

1 2 ,

T2 , (T2-T1)/2 T1, (T2-T1)/2 T2
IC

4.

1 3 ,
IC 가
.

5.

1 3 ,
IC 가
.

6.

;
IC;
IC ;

1
2 IC ,

1 2 1

7.

1 6 ,

8.

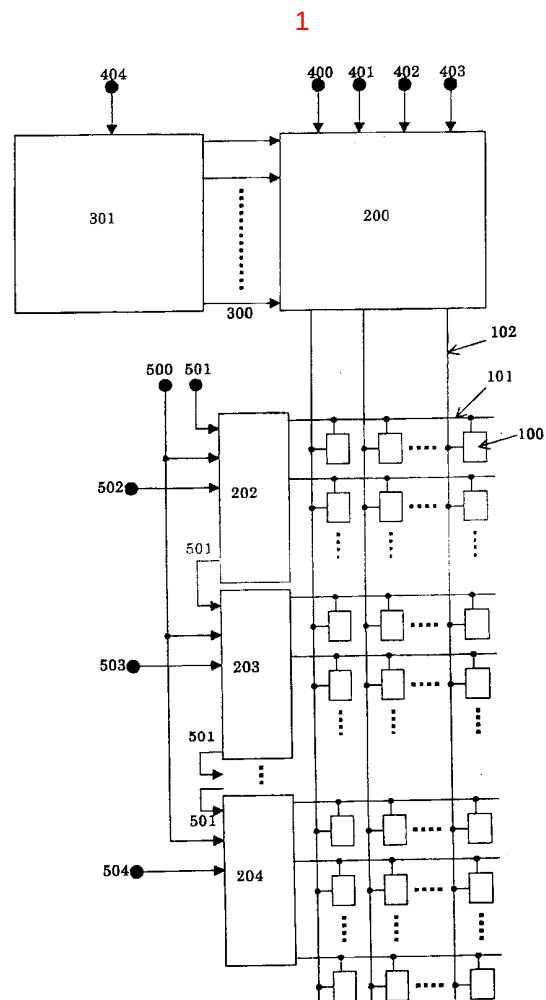
1 6

9.

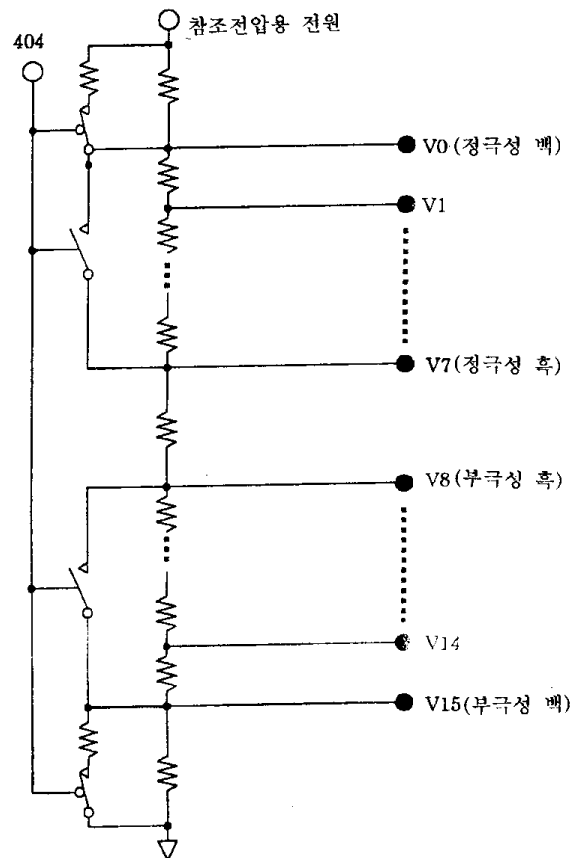
1 6

10.

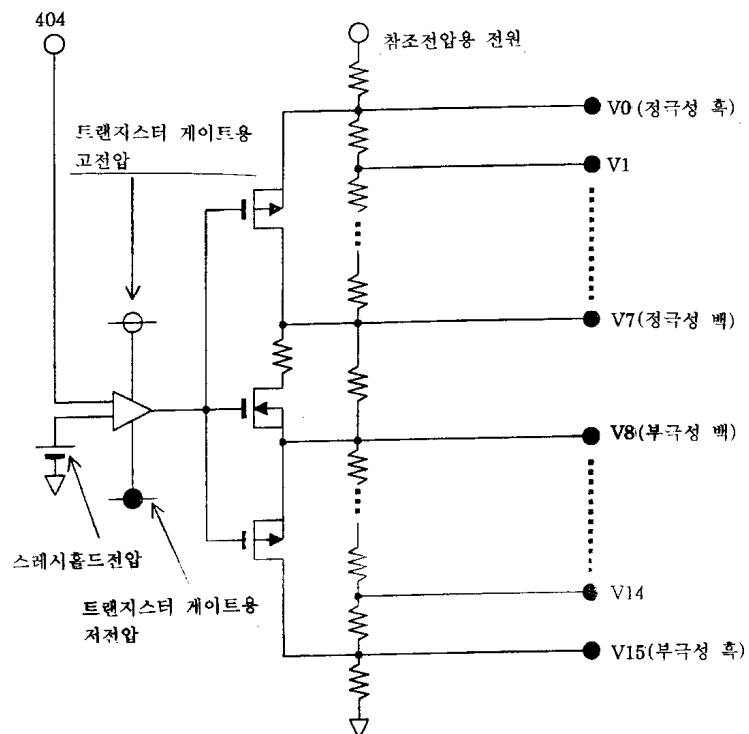
1 9



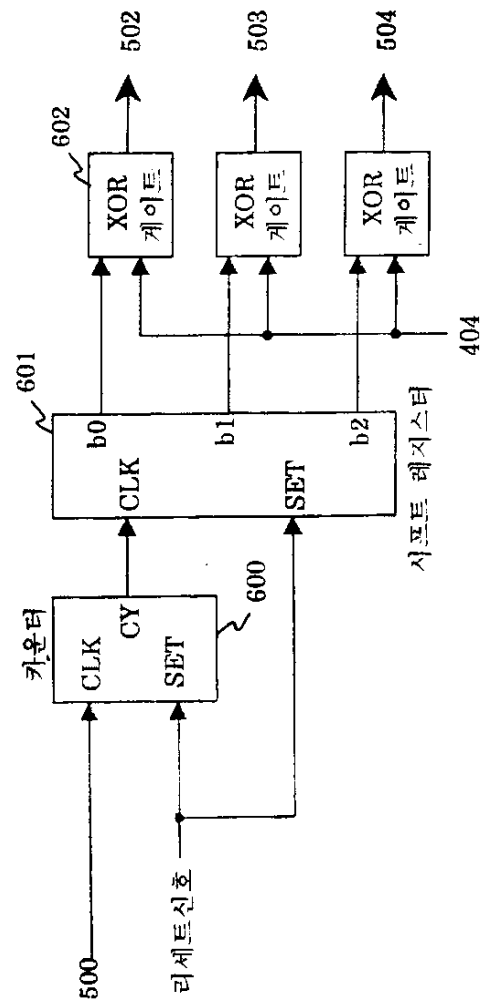
4



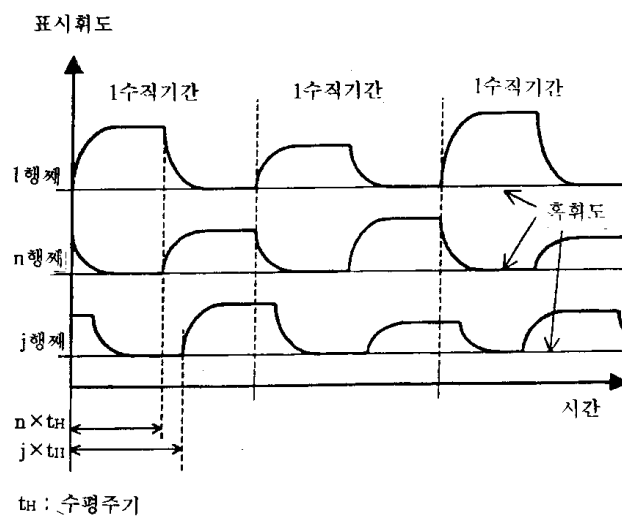
5

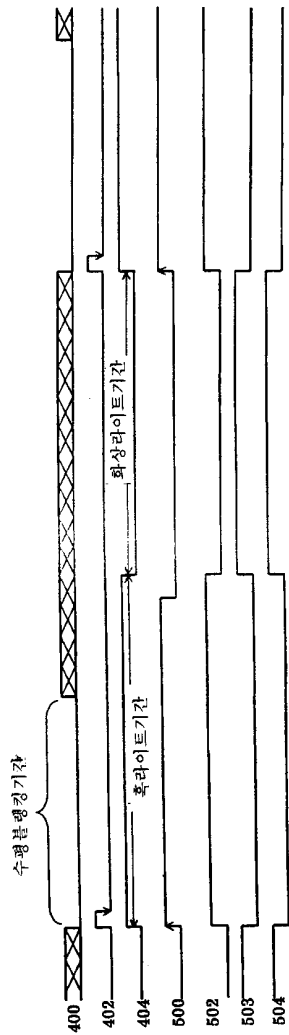


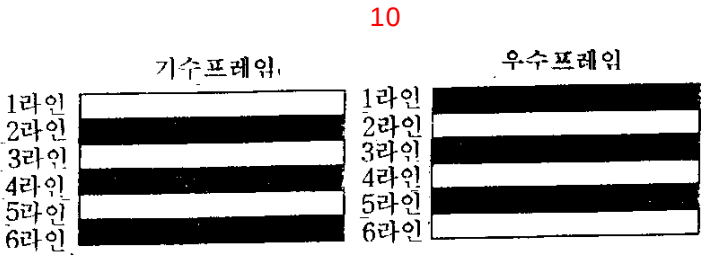
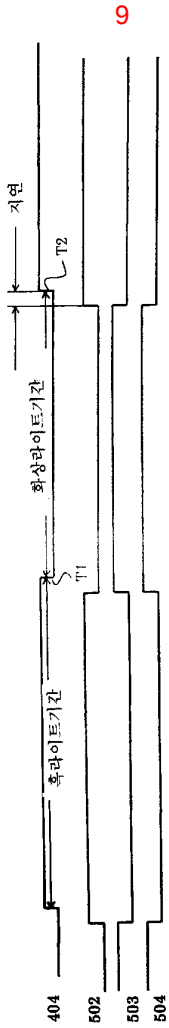
6



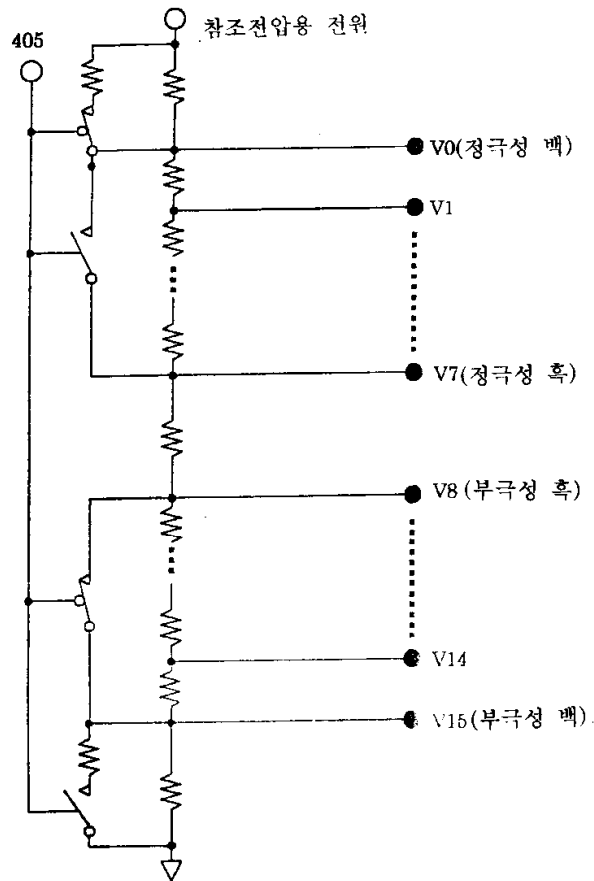
7



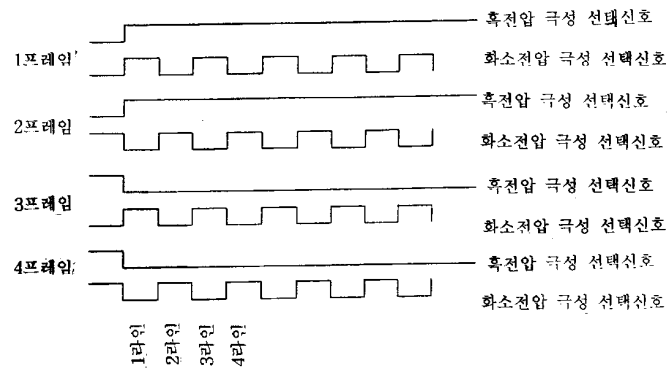




11



12



专利名称(译)	液晶显示器		
公开(公告)号	KR1020040031579A	公开(公告)日	2004-04-13
申请号	KR1020030061681	申请日	2003-09-04
申请(专利权)人(译)	可否让我有这一半的喷雾.		
当前申请(专利权)人(译)	可否让我有这一半的喷雾.		
[标]发明人	ISHIGUCHI KAZUHIRO		
发明人	ISHIGUCHI,KAZUHIRO		
IPC分类号	G09G3/36 G09G3/20 H04N5/66 G02F1/133		
CPC分类号	G09G3/3696 G09G3/3648		
代理人(译)	LEE HWA我 权泰BOK		
优先权	2002291326 2002-10-03 JP		
其他公开文献	KR100726928B1		
外部链接	Espacenet		

摘要(译)

用途：提供用于在显示运动图像时提高可视性的LCD（液晶显示器），
以在特定时间内在显示图像上显示黑色。

