

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

(51) . Int. Cl.<sup>7</sup>  
G02F 1/133

(11)  
(43)

10-2004-0066294  
2004 07 27

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(21) 10-2003-0003314  
(22) 2003 01 17

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(71) . 20

(72) 642-3

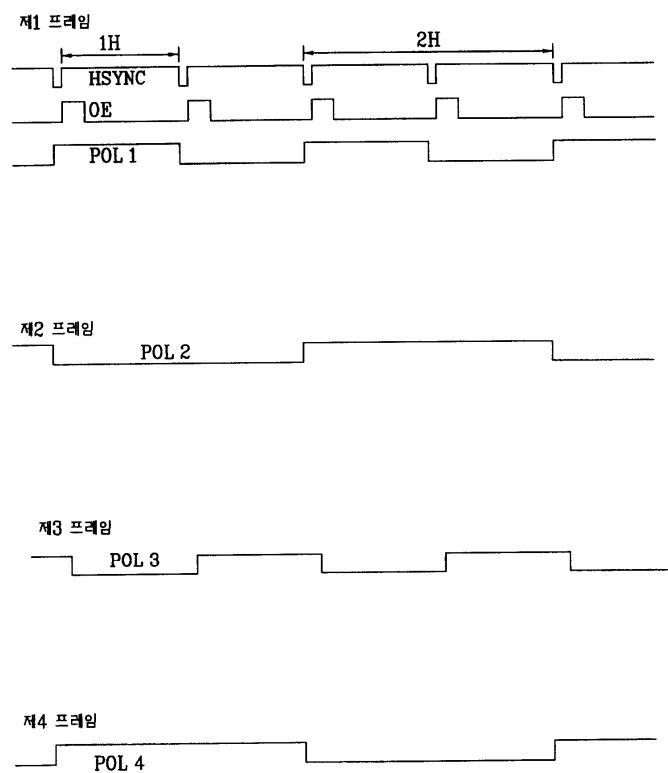
(74)

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(54)

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(Quad) , RGGB, (Inversion), ,

1a 1d  
 2 (quad type)  
 3 2 A , IC  
 4 IC 가 .  
 5a 5b  
 6a 6c 5a  
 7a 7d  
 8a 8d  
 9a 9d

&lt;

&gt;

POL 1 : 1      POL 2 : 2

POL 3 : 3      POL 4 : 4

,      RGGB(red, green, green, blue)      가      (quad)

가

(AMLCD)

(scanning signal)

(sealant)

가

가

(gray level)

(frame)

가

가      가

e)      가      (inversion)      (frame),      (column),      (line)  
 (dot inversion)      4가

1a      1d

1a      (      )

1c

가      1b

(가      )

1d

(cross-talk)

(flicker)

2 (quad type)

2, 24x1024, 가 (11), 10  
2, (10), 1, 1,  
IC(15), 256, (11), (10)  
(13) 가 128, 가  
, 1024x1024 (10) RGGB(red, green, green, blue)  
가 (15) IC(17), 1024x1024 (10) IC  
, 384, 384, 384, 384  
IC(17) 256 256 256 256  
3 2 A , , IC  
3 , 4 384 IC(311) IC 128 (floating)  
ng) , 2, 5 IC 256 1 1 , 3,4 6,7 ....  
, 3n-1 가 가 3n-1  
, IC 3n-2 3n 가  
4 IC 가  
4 1 , IC 1 (1H)  
2 (POL 1) , (POL 2) 1 (1H)  
(POL 2)  
1 2 1 2 (POL 1, POL 2)  
5 5b 1 2 15 IC( 2 15) 가 가 (1H)  
1 2 (POL 1, POL 2)  
5a 5a 6a 6c  
,  
,  
1 2  
(dim)

1, 2, 1, 2, 가, 1, 2, 가, 가

가 가 , 1 2

, 1, 2, 가 ,

가

가

IC 가

, 1024×1024, 1024×1024 RGGB(red, green, green, blue) IC IC  
1024 .

, 384 IC 4 1024 , IC( 311) 384 256 256 , 128 (floating)

,  $3n-1$  가 가

	IC	3n-2	3n	가	
7a	7d				8a 8d
,	7a 가	8a 가	,	1 가	1 (+)
,	1 (-)	IC(	가	(+)	2 (1H)
,	7b (-)	8b	,	1, 2, 가	가
,	1, 2, 가		2 가	(2H) (POL 2)	2 (POL 2)
,	7c	8c (+)	,	1 가	1 (-) 가
가		IC		(1H)	3 (POL 3)
,	7d	8d (+)	,	1, 2, /	가 (2H) '1H' '2H'
9a	9d				
9a	9d	,		가	
,					
,					
,					
,					
,					
,					
2	가				1

(57)

1.

1 2 가 가 , , 1, 2,

,

,

, 1, 2, 가 가 .

,

2.

1 , 1 , 2  
가 가 , ,

3.

1 , , 1, 2, 가 ,  
.

4.

1 ,  
.

가

5.

1 , ,  
가 .

6.

, , 1, 2,  
.

1 2 가 가 , ,

, 1, 2, 가 ,  
.

1 2 가 가 , ,

, 1, 2, 가 ,  
.

1a

+	+	+	+
+	+	+	+
+	+	+	+
+	+	+	+

-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

1b

+	-	+	-
+	-	+	-
+	-	+	-
+	-	+	-

-	+	-	+
-	+	-	+
-	+	-	+
-	+	-	+

1c

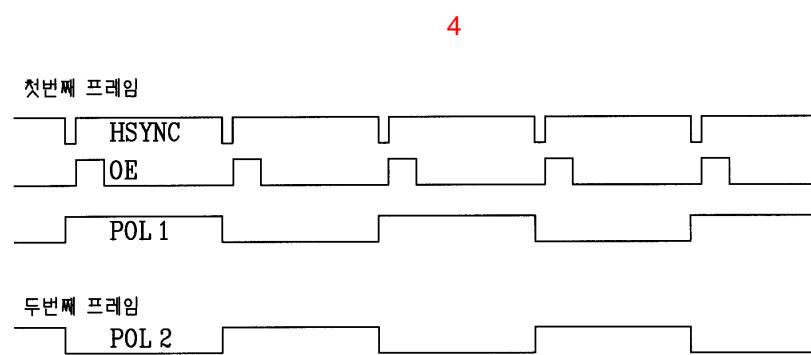
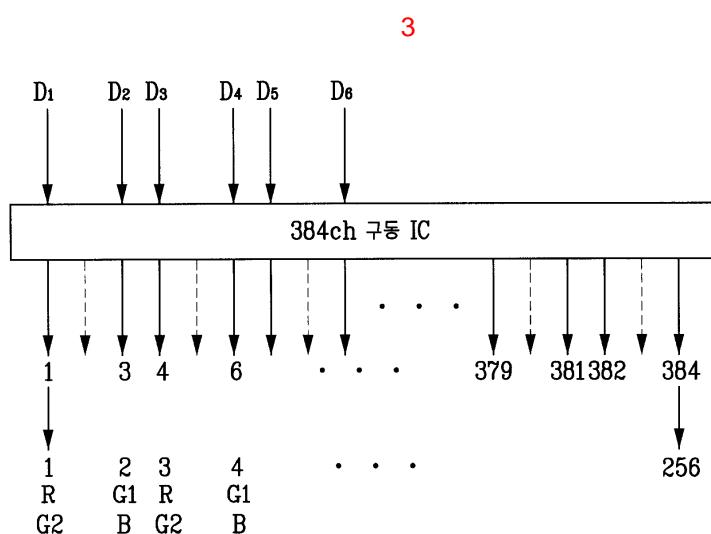
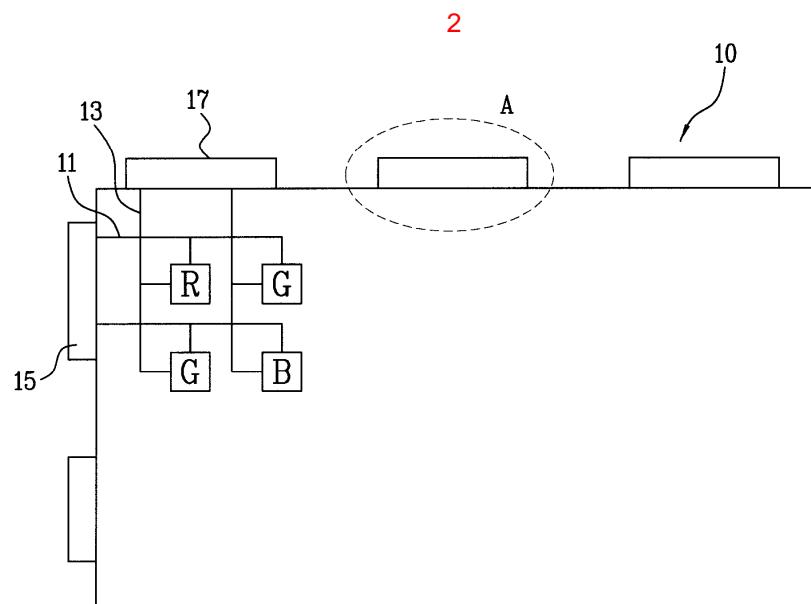
+	+	+	+
-	-	-	-
+	+	+	+
-	-	-	-

-	-	-	-
+	+	+	+
-	-	-	-
+	+	+	+

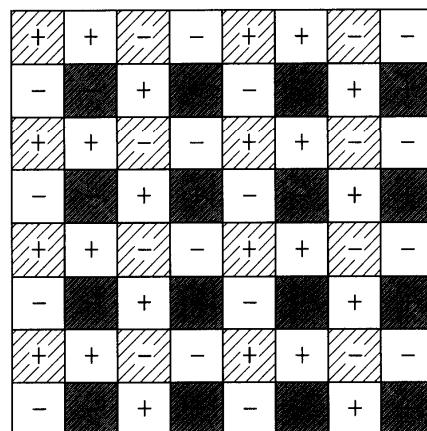
1d

+	-	+	-
-	+	-	+
+	-	+	-
-	+	-	+

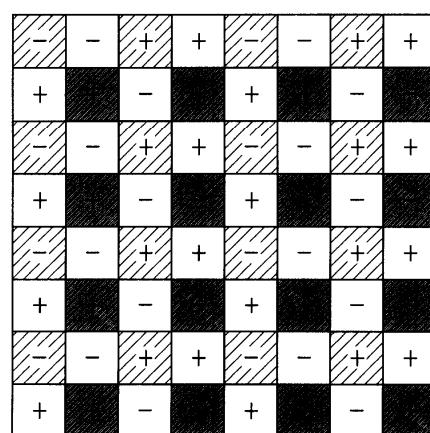
-	+	-	+
+	-	+	-
-	+	-	+
+	-	+	-



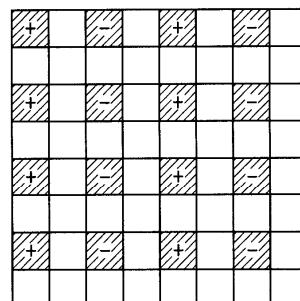
5a



5b



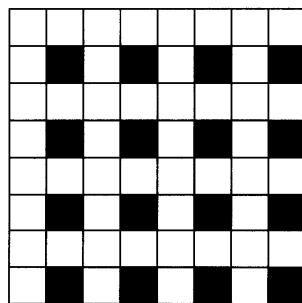
6a



6b

	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	

6c



7a

+	+	-	-	+	+	-	-
-		+		-		+	
+	+	-	-	+	+	-	-
-	-	+		-		+	
+	+	-	-	+	+	-	-
-		+		-		+	
+	+	-	-	+	+	-	-
-		+		-		+	

7b

-	-	+	+	-	-	+	+
-		+		-		+	
+	+	-	-	+	+	-	-
+	-	-		+		-	
-	-	+	+	-	-	+	+
-		+		-		+	
+	+	-	-	+	+	-	-
+	-	-		+		-	

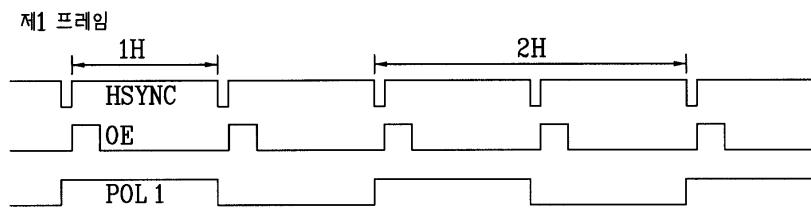
7c

-	-	+	+	-	-	+	+
+		-		+		-	
-	-	+	+	-	-	+	+
+	-	-		+		-	
-	-	+	+	-	-	+	+
+	-	-		+		-	
-	-	+	+	-	-	+	+
+	-	-		+		-	

7d

+	+	-	-	+	+	-	-
+		-		+		-	
-	-	+	+	-	-	+	+
-	-	+		-		+	
+	+	-	-	+	+	-	-
+	-	-		+		-	
-	-	+	+	-	-	+	+
-	-	+		-		+	

8a



8b



8c



8d



9a

	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	
	+		-		+		-
-		+		-		+	

9b

	-		+		-		+
-		+		-		+	
	+		-		+		-
+		-		+		-	
	-		+		-		+
-		+		-		+	
	+		-		+		-
+		-		+		-	

9c

	-		+		-		+
+		-		+		-	
	-		+		-		+
+		-		+		-	
	-		+		-		+
+		-		+		-	
	-		+		-		+
+		-		+		-	

9d

	+		-		+		-
+		-		+		-	
	-		+		-		+
-			+	-		-	
	+		-		+		-
+		-		+		-	
-			+	-		-	

专利名称(译)	驱动液晶显示装置的方法		
公开(公告)号	<a href="#">KR1020040066294A</a>	公开(公告)日	2004-07-27
申请号	KR1020030003314	申请日	2003-01-17
[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		
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发明人	소창섭		
IPC分类号	G02F1/133		
代理人(译)	金勇 新昌		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

本发明涉及一种驱动液晶显示装置的方法，以及根据本发明的驱动液晶显示装置的方法，是一种驱动液晶显示装置的方法，其中子像素和组像素在垂直方向和对角线方向上顺序交替可以防止垂直方向上的调光现象。指数方面四类型，RGGB，反转，子像素，组像素

