

(19) (KR)
(12) (B1)

(21) 10 - 2000 - 0086541 (65) 0000 - 0000000
(22) 2000 12 30 (43) 0000 00 00

(73) 136 - 1

(72) 701 - 604

(74)

(54)

STN

1 STN ,
2 1 STN ,
3 ,
4a 4d ,
5 STN
6 5 STN ,
7 5 A STN ,

100 : 200 :

41, 42 : 51, 52 :

45, 46 : 55, 56 :

, ST N(Super Twist Nematic)

STN

, 1 (13-1) , (t0 - t1) 1 (13-1) V0
 가, 2 (13-2) V2 . 1 (15-11) (1)
 1) (12) V5 V0 가 . 2 (15-12)
 V5 V2 . 3 (15-21) 4 (15-22)
 V2 V1 V1 V0 .
 가 .

, 2 (14 - 2) , t1 - t2 , 1 (13 - 1) 4c
 , V2 가 , 2 (13 - 2) 4d V0 가 .
 , 3 (15 - 21) (11) (12) V5 V2
 가 , 2 (15 - 12) 4d V5 V0 가
 . , 3 4 (15 - 21), (15 - 22) , V2 V1 ,
 V1 V0 가 .

가 RMS(root means square) ,
RMS 가 , , RMS 가

, STN 가 ,
가 ,
, STN ,
가 .

STN

가

가

가

5

STN

6

7

5 A

5 (200)	7 (51, 52) (41, 42), (51, 52)	, , ,	STN (200)	, ,	(100), (200)	, ,	(41, 42) (41), (42)	, ,	(100)	, ,	(100),
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, (45, 46), (55, 56) , , ,
 (45, 46) (100) , , (55, 56) (2
 00)

, (45, 46) (41, 42)
 (100) , (55, 56) (41, 42) (45, 46)
 . , (200) , (51, 52)
 2) (55, 56) (51, 5)

, (100), (200) (45, 46) (55, 56)
 , (45, 46) (55, 56) (41, 42) (51, 52) , (100), (200)
 .

, (100) (45, 46) (200) (55, 56)
 (51, 52) , (200) (41, 42) .
 .

STN , 4 STN
 가 (51) , 가 (42) , 가 (52) , 가 (41)
 가 , , ,
 .

,
 , STN

STN , , ,
 ,

가

(57)

1.

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2.

1

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3.

1

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4.

1

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5.

1

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6.

5

,

가

7.

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,

,

가

8.

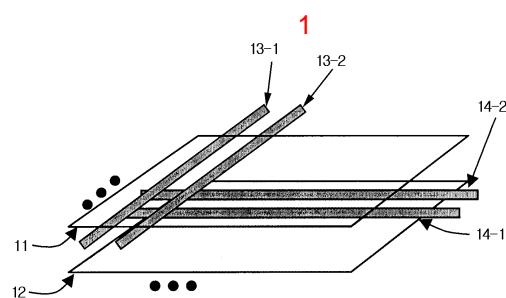
7

9.

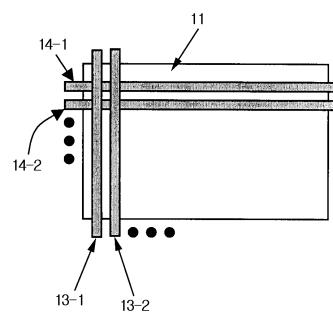
7

10.

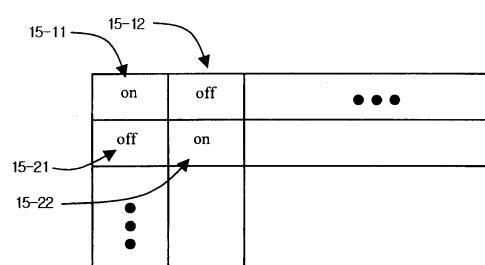
7



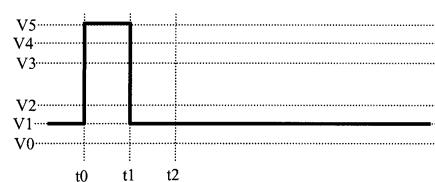
2



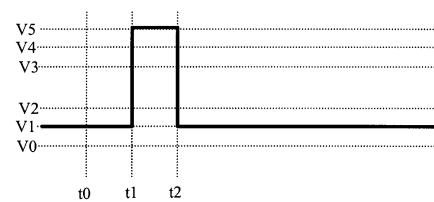
3



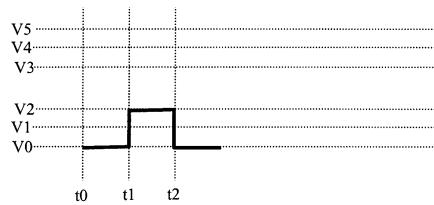
4a



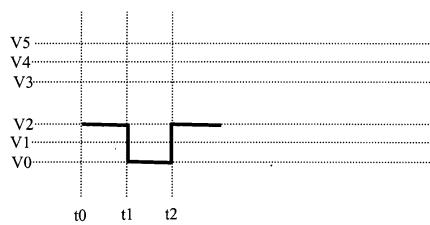
4b



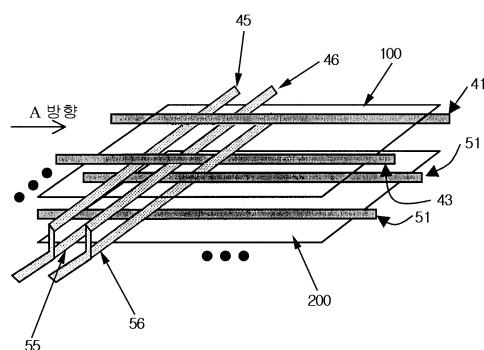
4c



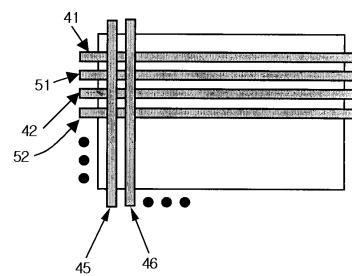
4d



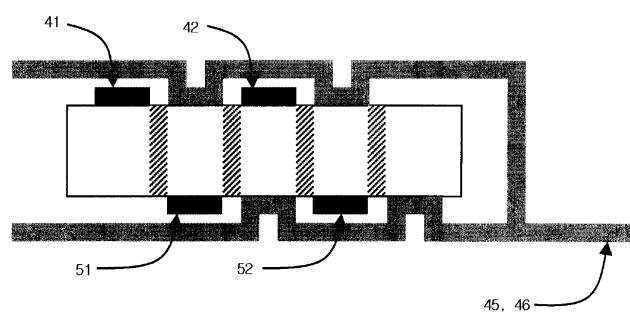
5



6



7



专利名称(译)	液晶显示元件		
公开(公告)号	KR100353831B1	公开(公告)日	2002-09-28
申请号	KR1020000086541	申请日	2000-12-30
[标]申请(专利权)人(译)	海力士半导体有限公司		
申请(专利权)人(译)	SK力士有限公司		
当前申请(专利权)人(译)	SK力士有限公司		
[标]发明人	LEE JAEPYONG		
发明人	LEE, JAE PYONG		
IPC分类号	G02F1/1343		
CPC分类号	G02F1/134309 G02F1/13471 G02F1/136286 G09G2320/0247		
代理人(译)	该专利事务所		
外部链接	Espacenet		

摘要(译)

用途：提供液晶显示器，分别向连接到相邻公共线的像素电极施加具有不同极性的电压，以防止图像闪烁。组成：液晶显示器包括多个奇数公共线(41)，它们平行排列在具有预定间隔的上基板(100)上，多个偶数公共线(51)平行排列在一个上具有预定间隔的下基板(200)。液晶显示器还具有多个上段线(45,46)，它们平行排列在上基板上以与奇数公共线相交，并且多个下段线(55,56)平行排列在上基板上。下基板与偶数公共线相交。奇数公共线和偶数公共线交替排列。形成在上基板上的奇数公共线和分段线根据绝缘层与形成在下基板上的偶数公共线和下段线绝缘。

