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10-2004-0057801
2004 07 02

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10-2002-0084614

(22)

2002 12 26

(71)

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20

(72)

5

301

(74)

:

(54)

7

1

2 가

3a 3b 가

4a 4b 가 .

5a 5c .

6 .

7 .

< >

140 :

160 : 163 :

165 : 167 :

가 , .

가 , .

가 , 가 , .

1 .

(6) (11) (7) (7)

(P) (P) (36) (6) (18) (5) ,

(5) (10) (9) (T) (10)

(10) (array substrate) (T) 가 (T)가

(matrix type) (22) (14) (22) (P)

(P) (36) . (P)

가 (soda lime glass) (Borosilicate glass) Na₂O Na₂O

1wt% , 0.1wt% Na₂O

0.1wt% 1wt% 가 , 가

(off) 가 가 가 ,

2 , (40) 가 (40) (40) 가

3a 3b

PI(Polyimide)
(50) (47) (47) (45) (45) (A)
nilox roll;53) (Anilox roll;53) (Doctor roll;55)
PI (40) (50) (47) (50) (45) (40)
(40) (50) (40) 가 (50) 가 (50) (40)
, PI (40)

4a 4b

(40) (40) (60) (60) RPM(Revolutio
(40) (65) (63) (60) (40)
ns per minute) (60) (63) (40) (65)
(65) (67) (67) (67) (40)
가 가 가

1 ; 1 ; 가
1, 2 가 2 ; 2 ;
1, 2

90

가 ,

1

2

2

1

가 (matrix type)

가

5a 5c

(100, 110, 120)

(100, 110, 120)

가

(100, 110,

120)

(100, 110, 120)

5a

(100)

(100)

(100)

(100)

90

c

a, b, c가

b

a

90

a

b

가

(100)

(ab)

(100)

5b

(110)

(110)

(110)

x,

y,

x

z

z

x

z

x

y

z

가

x

y

(110)

2

가

5c

(120)

(120)

2

1

3

1

(I)

4

가

.

,

.

6 7

.

.

6 , () (140) (145) ,
) (145) (140) (147) (150) () (140) (
 가 (140) (150) , (150) , 가 , () (140)
 (140) (150) . ()
 (140) .

7 , () (14
 0) (160) (165)가 (163) RPM (163)
 , (160) () (140) (163)
 , (160) () (140)
 . (165)
 () (140) (163) (165)
 (165) , (165) (140)
 (165) (167) . ,
 .

, () (140) , (Ag)
 , (, 140) ,
 .

, 가

.

가 .

(57)

1.

가 1 ;

1 ;

;

;

가 2 ;

2 ;

1, 2 .

2.

1 ,

90

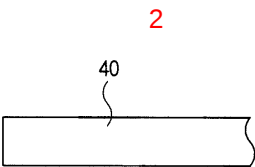
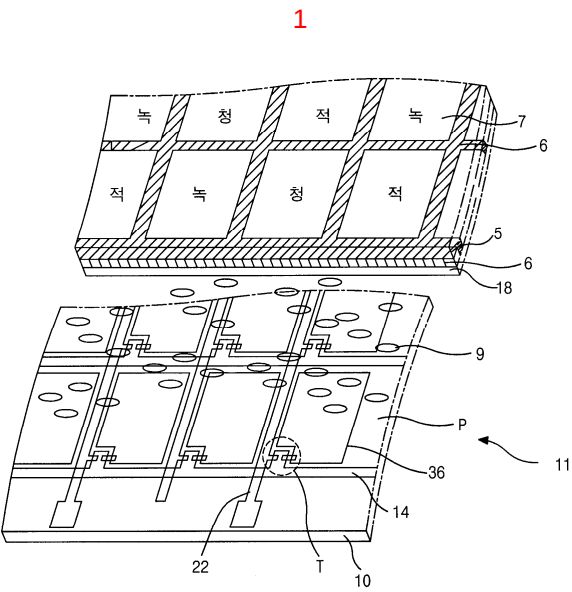
가 , .

3.

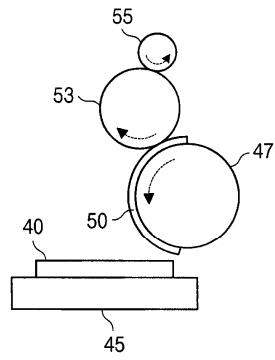
1 ,

4.

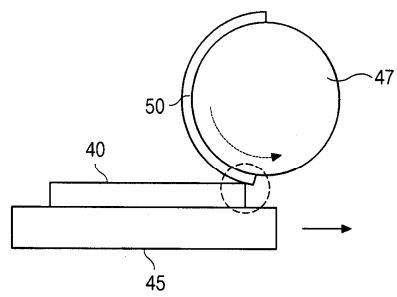
3 ,



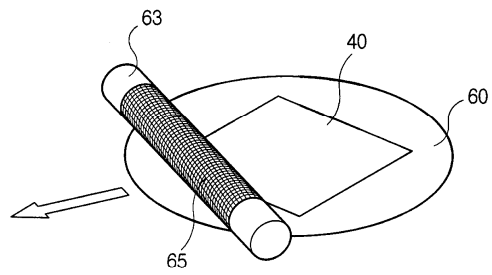
3a



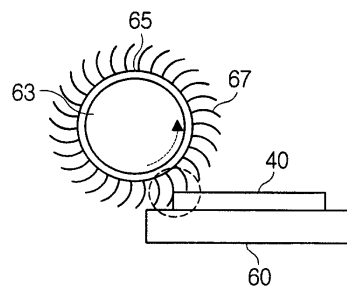
3b



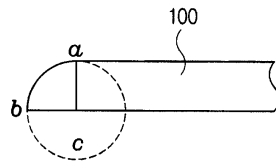
4a



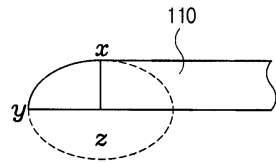
4b



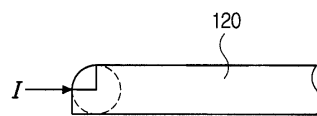
5a



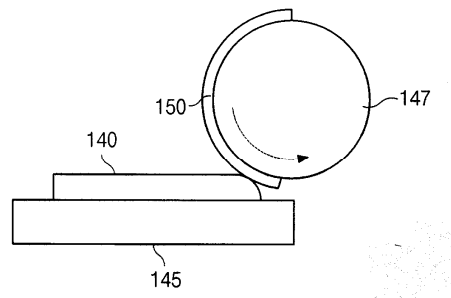
5b



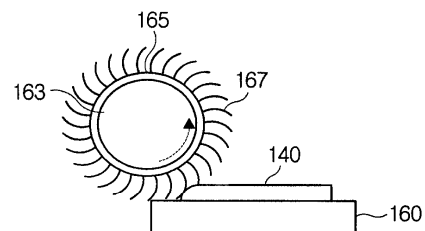
5c



6



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专利名称(译)	液晶显示器		
公开(公告)号	KR1020040057801A	公开(公告)日	2004-07-02
申请号	KR1020020084614	申请日	2002-12-26
[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	KIM EUNJU		
发明人	KIM,EUNJU		
IPC分类号	G02F1/1333		
其他公开文献	KR100920479B1		
外部链接	Espacenet		

摘要(译)

本发明涉及液晶显示器的阵列基板的基础基板的结构，以及滤色器基板。传统的基础基板，例如，玻璃的边缘包括直角形状，并且在取向膜印刷中接收损坏或者随着边缘的边缘进行摩擦处理并且取向层由于树脂的损坏而损坏寿命减少或摩擦布导致。在本发明中，通过构造具有弯曲形状的基础基板的边缘部分结构并使用基板制造液晶显示器，由于基板边缘和摩擦布的边缘造成的树脂损坏被最小化并且防止树脂的寿命减少。摩擦布损坏的方向误差可以最小化。取向层，基板边缘结构和取向损坏。

