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10-2004-0054404
2004 06 25

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(22)

2002 12 18

(71)

.

20

(72)

489

가201

179 8/1

(74)

:

(54)

가 , -

, 1 2 가 ,

가 .

6

1

2a 2b

3

4

5 4

6

7 6 .
8 6 , 2 .
9 가 .

*** ***

500: 501:
502: 503:
504: 505:
506: 507: 1
508: 2

,
.
(matrix)
,
,
;
(integrated circuit : IC)
(color filter)
,
,
,
1 가 , 1
가 .
,
가 . ,
가 ,
가
가 가 .
가 .

1

1 , (100) (113) , (114) (115) (102) (114) (115) (101) 가 (113) , (114) (115) (113) (113) (101) 가 가 가 , (113) (102) (101) (cell-gap) , (101) (113) (102) (spacer) (seal pattern, 116) 가 (101) (102) (101) (102) (101) (102) (116) (113) (216) (200) (sealant, 203) (screen printing) (206) , (206) (squeegee, 208)가 (200) (216) (200) (216) (213) 가 (204)가 (208) (216) (200) (216) (206) (203) (leveling) (203) , (208) (216) (203) (206) (206) (200) (200) (rubbing) (206) (200) (200) () ()

, (401) (402) .

가 , 가 .

, ,

가 ; ; 가 (stepping) ; ; 1 ; 2 .

가 ; ; ; .

6 , (502) (500) (501) (503) ; (503)가 (505) (504) ; (504) (506) 1 (507) ; (502) (50 1) , (502) (501) (501) (505) 2 (508)

, 7 (505) (503)가 (504) (503) , (502) (501) ; (502) ; (501) (502) (501) , (502) (501) (505)

, (501) (500) , (505)가 (503)가 (504) (504)가 , 1 (507)가 (503) (502) (501) (502) , 1 (507)

de) (504) (504)가 (505) (sli

, (502) (501) (504) , 가 , (502) (501)

(502) 1 (507) (502) (501)

(502) (501) 가

±200μm

가

8

(501) (508A), (508B)

(504) (502) 가 (501),

(508B) 가 (502) (501).

, (502) (501) 40μm (501) 가 (50

8B) , (502) (501) .

, (502) (501) (501) 가 (508B) (505)

, (501) 가 (508B) (505)

(504), (502) (501) 40μm.

(501) (502) , (501)

) (500) (503)가 (504),

(501). (504)

(503)가 (504) (500) (501) (500)

01) , (501) (500)

. (501)

,

(500) , 2 (508) (501)

(502) (501)

.

, (501)

- (touch-panel) (keyboard) 가 ,

(505)가 (504) , 1 (507) (501) (502)

2 (508) (505) , (501) (502)

.

, 가

.

, 가 (501) (502)

.

,

,

,

,

, μm cm²

가 . , 15 가 . , 8

가 가 가 가 가

(dropping) (disp

ensing) , 2

가

가

가 (503) (501)

가 (503) (502) (501) (503) (501)

(501) (503) (502) (501)

(Ag dot)

9 가

9 (601) (602) (601)

(603) (604) (605) (603) 가

(601) (601) (602) 가

(601) 가 가

가 가

[illegible]

3 가 , ; .

5.
4 가 .

6.
1 가 .

7.
1 .

8.
1 (Ag) .

9.
1 , .

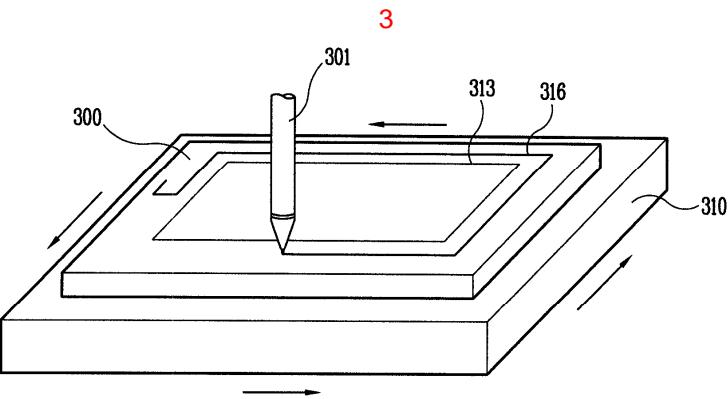
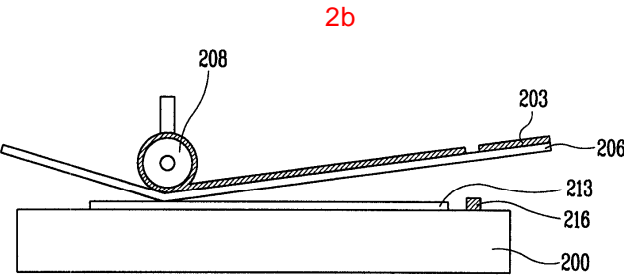
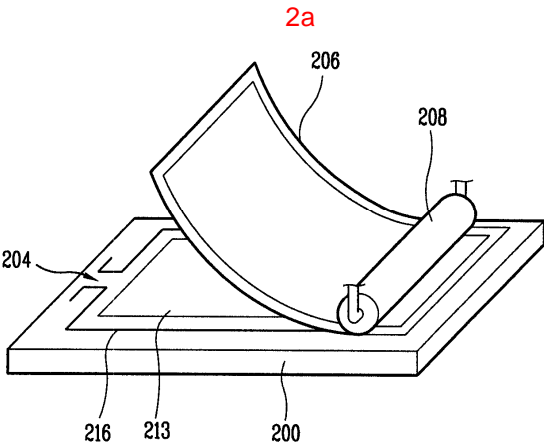
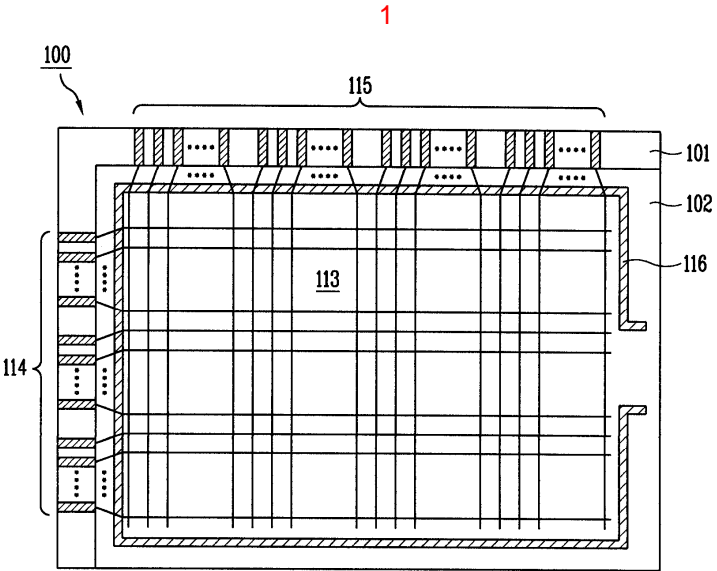
10.
1 .

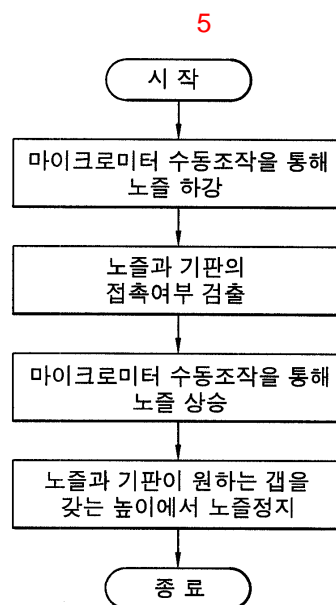
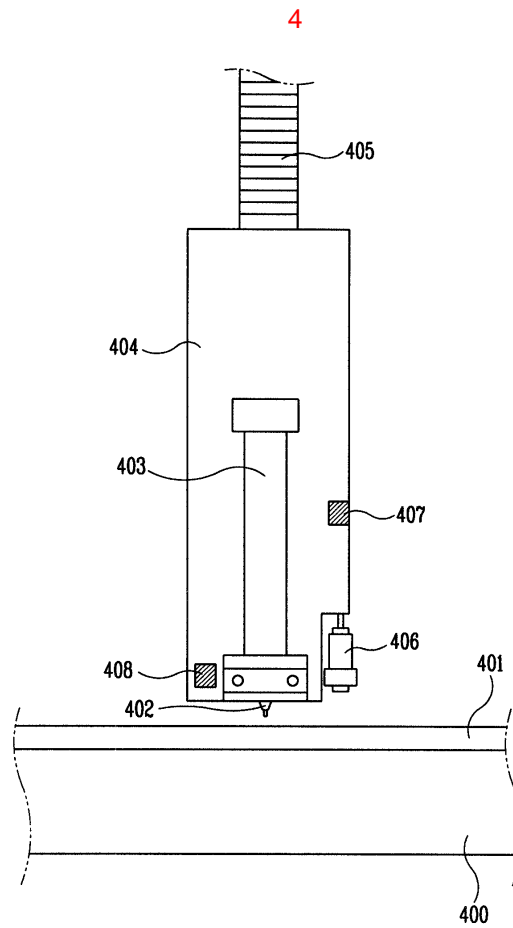
11.
1 .

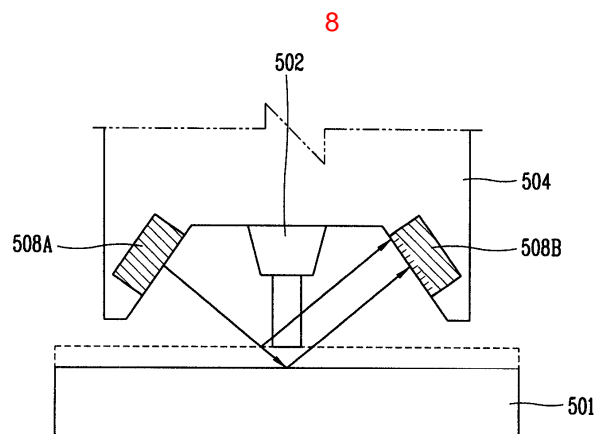
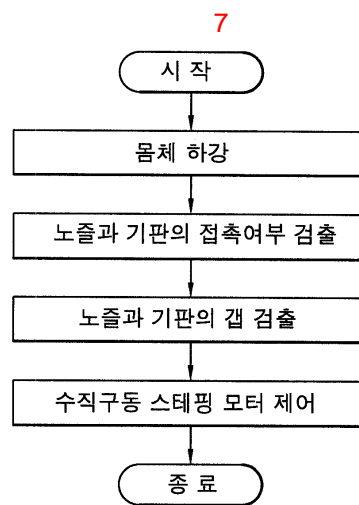
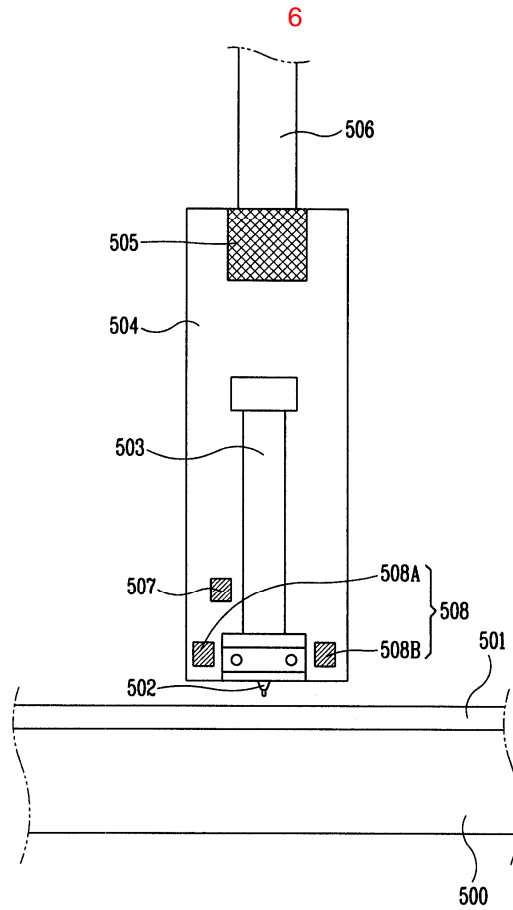
12.
11 가 .

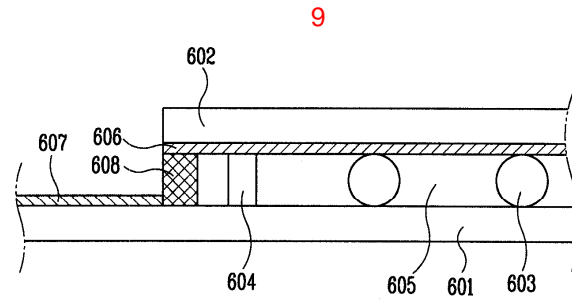
13.
가 ; ; .

14.
13 40 μ m .









专利名称(译)	液晶显示板的分配器和使用它的喷嘴和基板的间隙控制方法		
公开(公告)号	KR1020040054404A	公开(公告)日	2004-06-25
申请号	KR1020020081439	申请日	2002-12-18
[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	JUNG SUNGSU 정성수 KWAK YONGKEUN 곽용근		
发明人	정성수 곽용근		
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CPC分类号	G02F1/1339 B05C5/0216		
代理人(译)	PARK , JANG WON		
其他公开文献	KR100700176B1		
外部链接	Espacenet		

摘要(译)

目的：提供一种液晶显示器面板的分配器，通过垂直驱动的步进电机自动落下机体，并通过第一传感器检测基板是否与喷嘴接触，然后通过第二传感器控制步进电机，从而精确控制基板和喷嘴之间的间隙。

