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 (22) 2002 12 18

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179 8/1

(74)

(54)

가 , 가 ,
 1 2 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 , 1
가 .

, 가 . , ,
가 . ,
가 . ,
가 .

1

(seal dispensing)

3
10) (300) 가 (313) 가 , (316) . , (syringe, 301) (300) 가 , (3)

, (300) (313) ()

(300) (310) (300) (301) (316)

(300) (301)가 , (316) 가 , (300) (301)가
, (316) (300) , (316) (300), (316)

, (316) (301) 가 , (316) (301) (301) (300) . (301) (300) (301)

(300) (301)

4 (400) (401), (403) ; (403)† (402) (404)
 ; (404) (405) (servo motor, 405) ;
 (405) (microguage, 406) ; (401) (402)
 1 (407) ; (401) (402) 2 (408) .

, 5 (401) ; (402) (406) ; (402) (401) (406) ; (402) (402) ,

05) , (401) , (400) , (404) , (403) , (403) , (402) , (406) , (400) . 1 (407) (401)

(406) (401) (402) 가

(401) (402)

가 가

(stepping) ; ;

1
2

•
,

가

•
;

■

•
,

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

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

, (501) (500), (505)가 (503)가
(504) .

(504)가 , 1 (507)가 1 (503) (502) (501)
(502) . , 1 (507)

(504) (504)가 (505) (sli)
de)

, (502) (501) (504) , 가
, (502) (501) .

15

가

8

가

가

가

가

가

가

ensing)

2

(dropping)

(disp

가

가

가

가

가

(503)

(501)

가

(503)

(501)

(502)

(503)

(501)

(502)

(501)

(503)

(501)

(Ag dot)

9

가

9

(603)

(602)

(604)

(605)

(601)

(603)

(602)

(601)

가

(601)

(601)

(602)

가

가

(601)

가 가

가 가

(602) , (601) (606) 가 (607)
 , (602) (601) (606) (601) (608) (608) (607) (i)
 607) , (606) (606) 가
 n plane switching : IPS)

(608)

, , (503) (502) (503) (501) (Ag) (501) (503)
 가 , (501) (502) (501) (501)

1

가

2

가

가

가

가
가

가

가

(57)

1.

; ; ; ;
 (stepping) ; ; ; ;
 , 1 2 ;

2.

1 , 1

3.

1 , 2

4.

3 , ;
가 .

4 , 가 .

1 , 가 .

1 , .

1 , (Ag)

1 , .

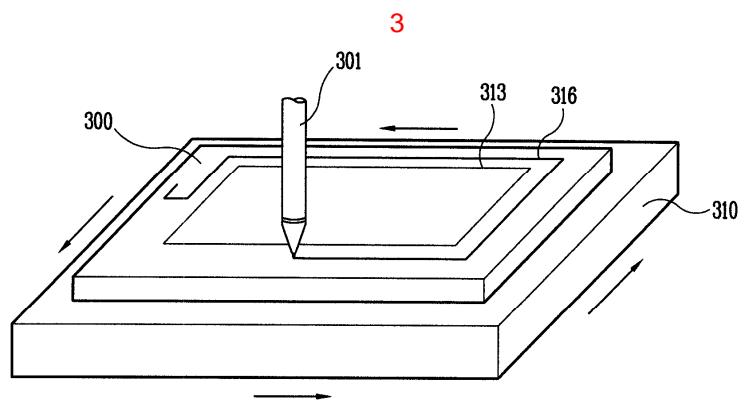
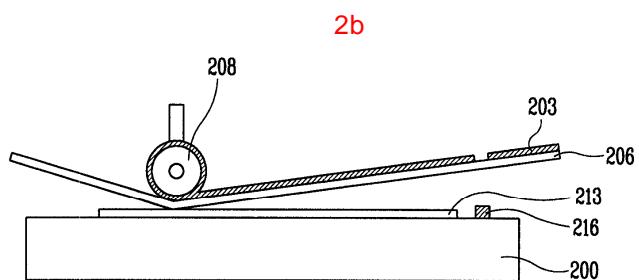
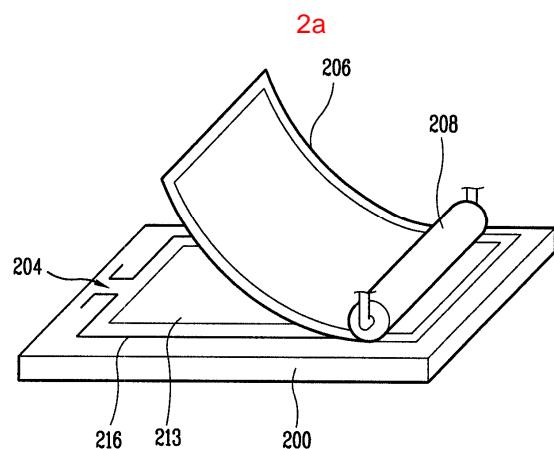
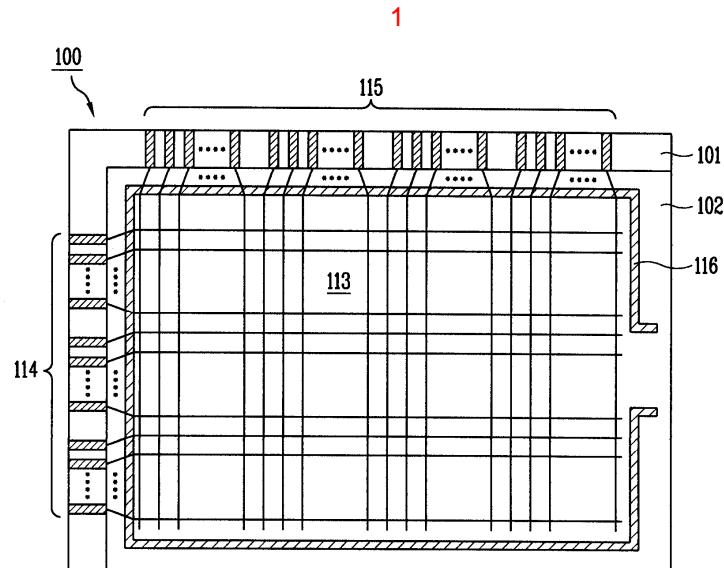
1 , .

1 , .

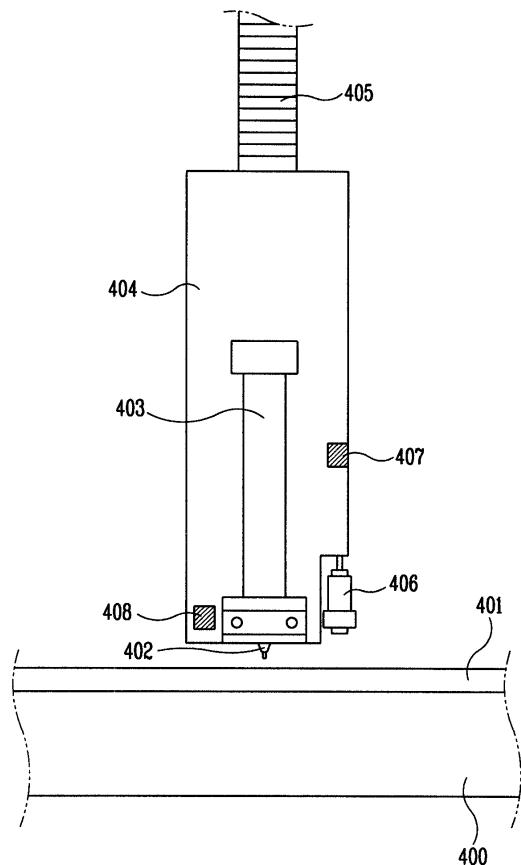
11 , 가 .

13. 가 ; ; ;

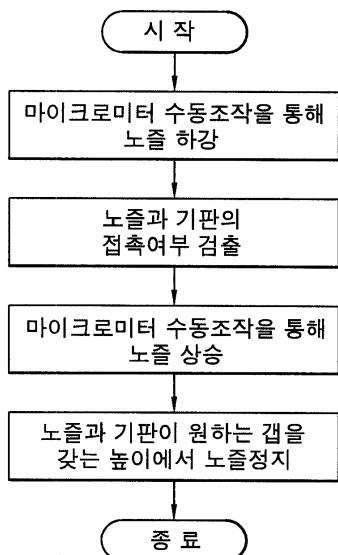
13 , 40 μ m

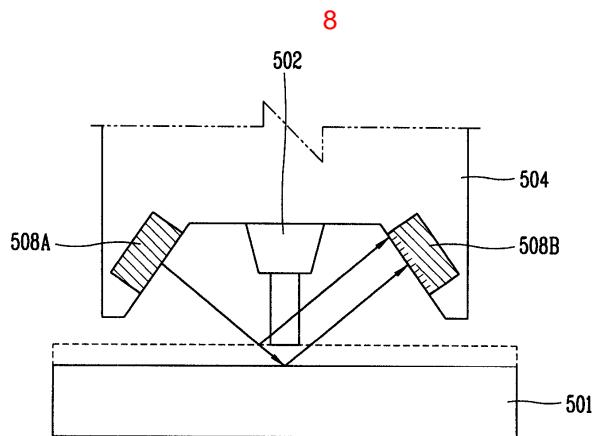
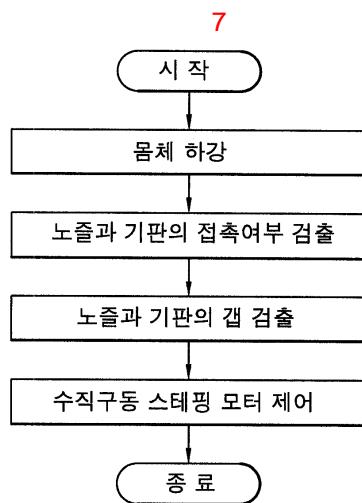
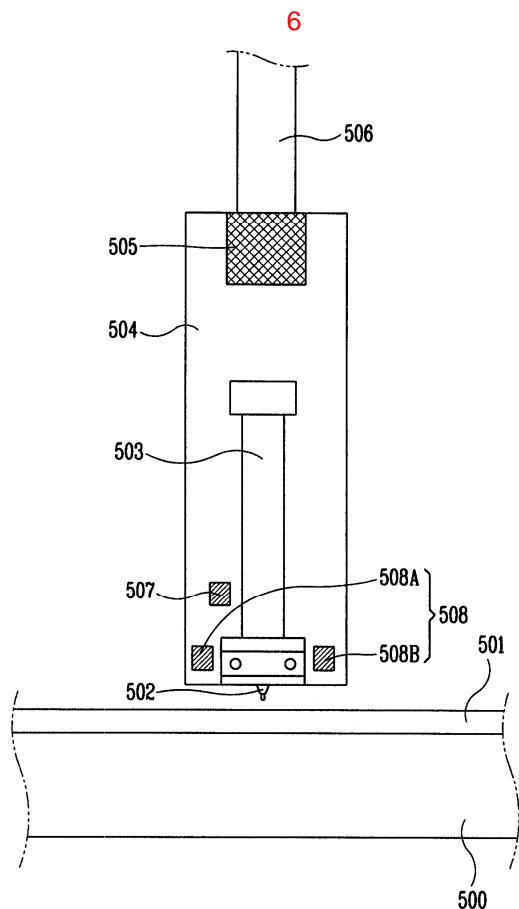


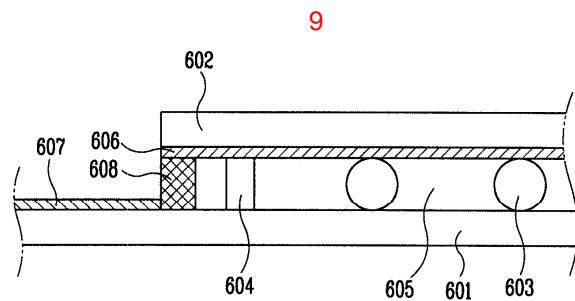
4



5







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|----------------|--|---------|------------|
| 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 |
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| [标]申请(专利权)人(译) | 乐金显示有限公司 | | |
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| 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。

