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2004 12 10

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(22) 2003 06 02

(71) . 20

(72) 489 가201

179 8/1

(74)
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(54)

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, 가
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5

1

2a 2b

3

4

5

6 가

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500: 510A 510F:

520: 530A 530C:

532A 532C: - 540A 540F:

531A,531B,531C,531D,531E,531F:

(matrix)

(integrated circuit : IC)

(color filter)

1 가

1

가

가

가

가 가

1

1
13) , (100) (113) , (114) , (115) (115) , (114) (115) (102) , (114) (115) (101) 가 (113) , (114) (115) (113) , (114) (115) (102) (113) (113) . (101) 가 가 가 가 , (113) (101) 가 가 가 , (113) (102) (101) (102) (spacer) (101) (113) (102) (seal pattern, 116) - (cell-gap) , (101) (113) (102) , 가 (101) (102) - , (101) (102) (101) (102) (101) (102) - (101) (102) (116) (101) (102) (116) (113) 2a 2b (screen printing) , (206) , (206) (216) (sealant, 203) (216) (squeegee, 208)가 (200) (216) (200) (216) (213) 가 , (204)가 , (208) (216) (200) (216) (206) (203) (leveling) , (216) (216) (216) , (216) (203) (203) , (208) (216) (200) 가 가 (203) (206) (203) (200) (200) (200) () () (rubbing) (206) (200) (200) () () (seal dispensing)

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

(300) (316) (313) ()

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

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

(300) (301) (316) 가 가 (300) (301) 가 (316) (301) (3)

01) (301) (300) (301) (301) (300) (301) (300) (301) (300) (301)

(300) (313)

(400) (420) 4 (410A 410F) (430A 430C) (410A 410F) (440A 440F) (400)

(431A 431C) (430A 430C) (430A 430C) (400) (431A 431C)

) (gap) - (431A 431C) - (432A 432C) (440A 440F) (430A 430C) 가

A 431C) - (410A 410F) (432A 432C) (440A 440F) (430A 430C) (431

5

5 , (510A 510F) (500) ; (500)
(510A 510F) (540A 540F)
(530A 530C) ; (530A 530C) (520)
, (530A 530C) (500)
2 (531A,531B),(531C,531D),(531E,531F)

,(531C,531D),(531E,531F) (530A 530C) (500) (531A,531

(500) 1

2

(530A 530C) 2 (531A,531B),(531C,531D),(531E,531

F) (500) (510A

510F) (540A 540F)

(531A,531B),(531C,531D),(531E,531F) (500) (510A 510F)

(530A 530C) 2 가

(500) (510A 510F) 가 9 (531A,53

1B),(531C,531D),(531E,531F) (530A 530C) 3 가

,(531D),(531E,531F) (530A 530C) 2 (531A,531B),(531C,

(530A 530C) (510A 510F)

가 (520) (530A

530C) 가 (530A 530C) (500) (510A 510F) 가

(500)

가

가

가

가

가

가

가

가

가 μm

15

cm^2

8

2

(dropping)

1

(dispensing)

1, 2

가

가

가

1

2

가 가
(ultraviolet : UV)
가

가

가

(Ag dot)

6 가

6 (603) (602) (604) (605) (601) (602) (601)

(601) (601) (602) 가 , 가

(601) 가 가 가 가

(602) (601) (606) (607)

(602) (601) (606) 가 (607)

(601) (602) (607) 가 (608) (608) (

607) (606) (606) 가 (608)

(608)

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가 (608)

가 가

가 가

가 가

(57)

1.

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2.

1

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3.

1

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1

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4

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가

12.

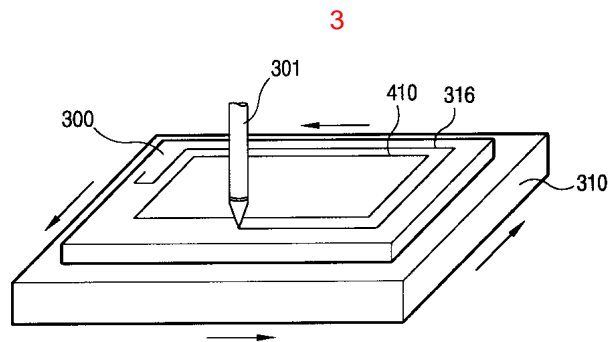
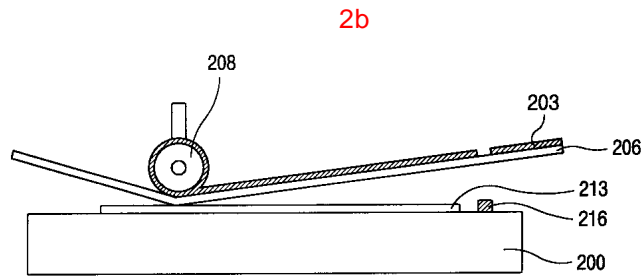
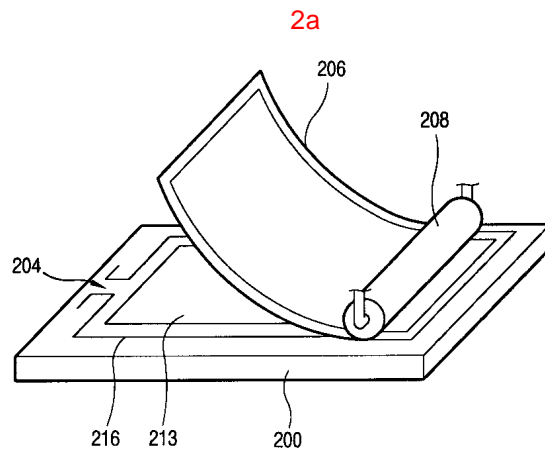
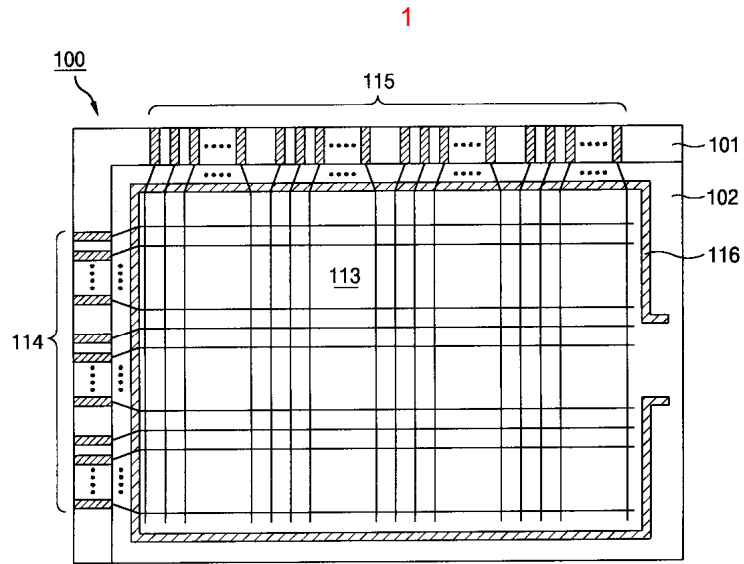
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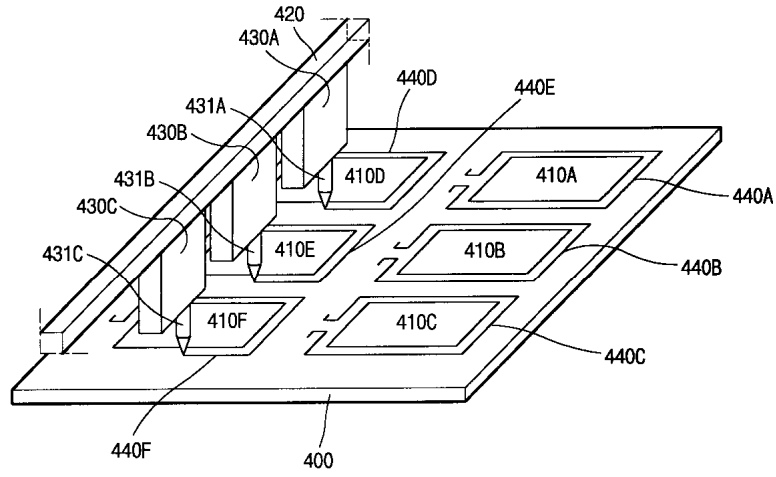
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가

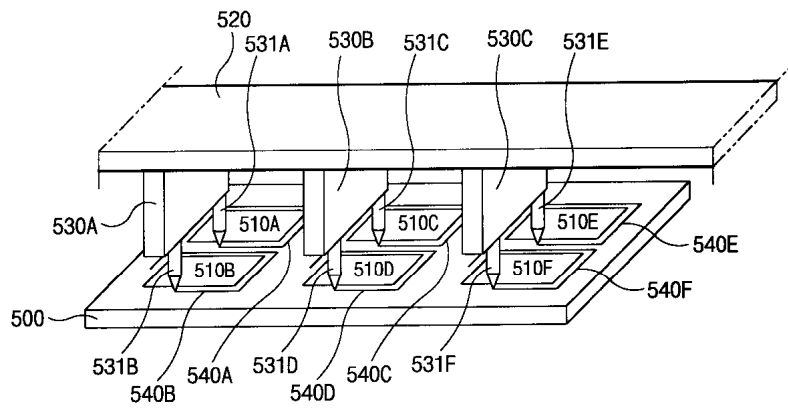
가



4



5



6

