

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷
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(11)
(43)

2002 - 0032091
2002 05 03

(21) 10 - 2000 - 0062983
(22) 2000 10 25

(71) .
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20

(72) 208 - 1101

(74)
:

(54)

가 가 1
,
2 ,
, 가 , 1
, , 2
1 2 , 2 ,

1a

1b 1a - ' '

1c

2

3 2 - ' '

4

5 4 - ' '

6

41 : 41a :

43a : 51 :

53 : 57 :

가

CRT(cathod ray tube)

가 CRT

(flat panel display)

가

troluminescent display : ELD),
ma display panel : PDP)

(liquid crystal display : LCD),
(field emission display : FED),
가

(elec
(plas

(cost)

(Seal)

(Epoxy) , (Phenol) , (Acryl) 가 가 , 2 가 1

(Cell Gap) 가 , 가 , 가

Epoxy), (phenol) 가 가 , 가 가 가 , (가 가 가 가

가

(Chamber)

가 가 가 가 가 , 가 가 가 1 2

(Dispenser)

가

가

1a
1c

1b

1a

(13a) 1a 1b , (11) (15a) , (13a) , (13a) , (15a) (17) (19)

((13a) (15a))

1c (11a) (21) (19)
 (23) (25) (23) 2
 (A) (A) (27)
 가 (S)
 3 2 - (11a), (13a) (11) (11a) (15a) (11)
 (23) (27)가 (11a) (11a) (A)
 (27) (13a) (23) (11)
 (27) 3

가 가
 가 가
 가 가
 가 가
 가가

2 1
 가 가
 1 2 1 2
 1 2
 2 2 1
 가

) , 가 , (,
가

4 , 5 4 - ' .

4 5 , (A) (P)
, (A)

(A) (A) (53) (57)가 , (57)
(P)

(53) (A) 가 (S)
(S) (57)

6 , , (57)가
(53) (A) , (P)

(41)

Al, Cr, Mo, Cu (Sputtering)
(SiN_x) (SiO_x) CVD(Chemical Vapor Deposition)
BCB(Benzocyclobutene)

/

/

(49) TFT (, " 1 ")

, BCB(Benzocyclobutene)

(41a) (49)
R, G, B

(53) (A)

(S) (53) (A) (A)

(S) (P) (53)

(53) 가

(" 2 ")
(Overcoat layer)

1 (41) 2 (41a) (

1 (41) 2 (41a)
(chiral dopant) 가 (+) , (-) 가 가 ,

7 (57) 1 (41) (100) (57)
1 (41) 2 (41a) 1

(53)

가 가

(mode) , TN, STN, FLC, VA, IPS, OCB, Poly - Si

(57)

1.

1 2

가 ;

2.

1 ,

3.

1 ,

4.

가 1 2 , 1 2

1 ;

;

가 2 ;

1 2 ;

2

5.

4 , ,

2 ,

6.

4 , , 2

7.

1 ;

1 ;

2 가 ;

1 2 ;

2

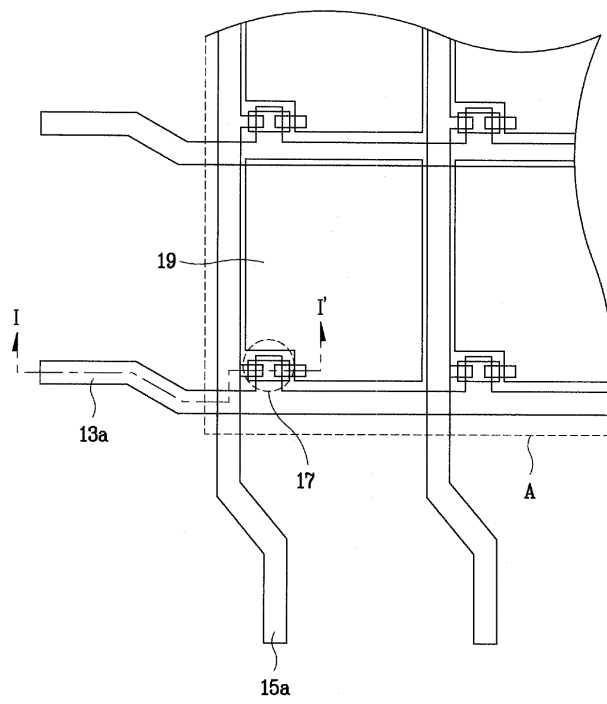
8.

7 , 2

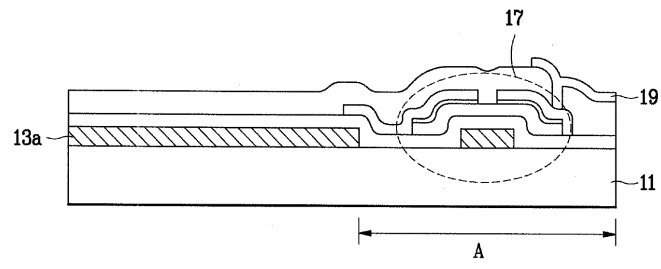
9.

7 , 1 2

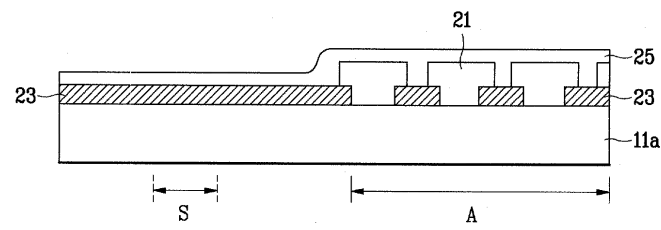
1a



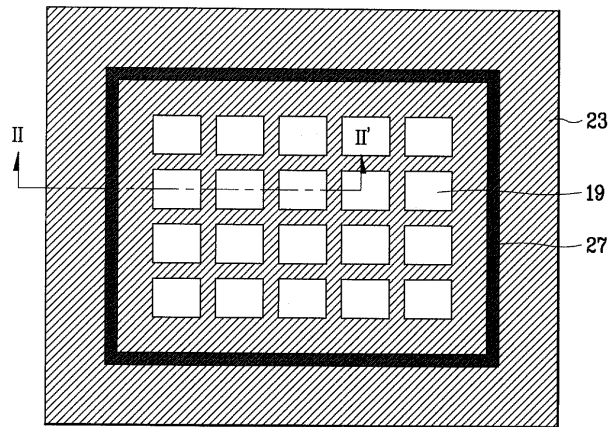
1b



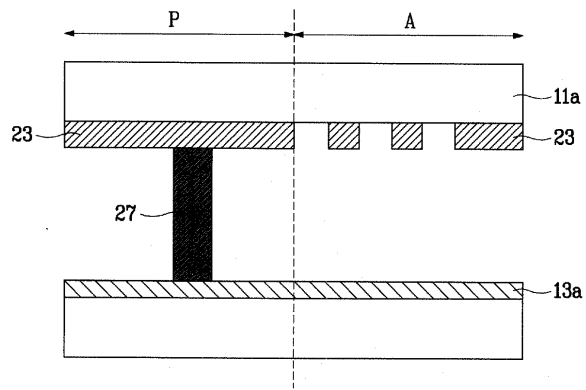
1c



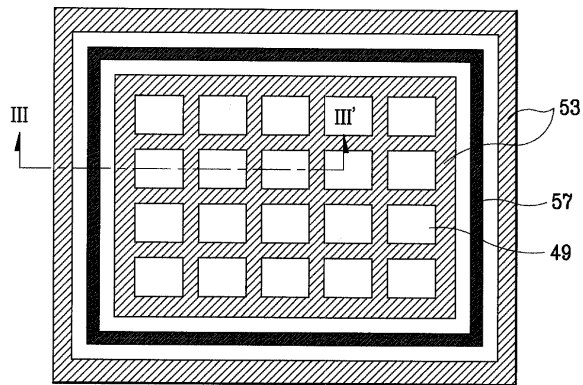
2



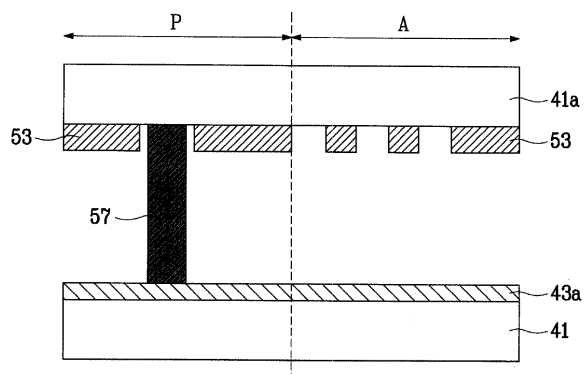
3



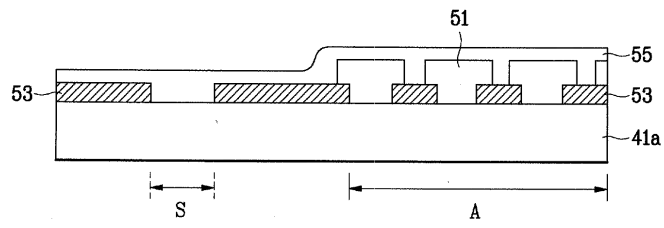
4



5



6



7

