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(43)2001-0094926
2001 11 03

(30) 2000-098110 2000 03 31 (JP)

(73) 가 가 2 2 3

(72) 2 2 3 가 가

가 2 2 3 가 가

2 2 3 가 가

2 2 3 가 가

(74)

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(54) 가 가

(60) (70) (20) , , / , (25) (70) (20)
(65) (25) ,

1

1 1 (100) ,
2 (100) ,

3 3 ,
 4 2 (110) ,
 5 2 ,
 6 2 (200) ,
 7 2 (210) ,
 8 (500) ,
 9 (1005) ,
 10 .

10 : 20 :
 25 : 26 :
 30 : 40 :
 52 : 54 :
 60 : 62 : 1
 65 : 2 70 :
 75 : 80 :
 Na : Nb :
 SPX1, SPX2, SPX3 : SWa :
 SWb :

가 , 가
 , 가
 8 , (500) 8 (500)
) , (1001) (1001) (1002) (1005) (500) (1011)
 , 1 (1001) , R (Red), G (Green) B (Blue)
 (1005) (1002) (1010) (1012) , (1102)
 9 , (1005) (Na)
 9 , (1005) , (Nb)
 (Na) (Nb)
 (1005) , (Na) (1012) (1103) , (1010) (1011) (Na) TFT(Thin Film Transistor) (1101) (1010) 가() , TFT (1001) , (1005) (1011) (1102) (1103) TFT (1101) (Na) , (1103) (1010) TFT (1001)가 , (500) , (100) (1006)
 3) , (1003) , (1004) , (1005) , 가 , (1006) , (1007) (1008) , (1013) (1011) (1009) (1009)
) , (1013) (1011) /

2, 1, 1 2, 2

2, M 2 1 / 가 1

2 / 가 가

가 가, 1 2

가, 가

(100)

가

(100), R, G B

1, 3

(100), (20) (SPX1, SPX2), (25) (20) (10)

(20) (SPX1, SPX2) (25) (25)

(10) (SPX1, SPX2) (25) (70)

(60) (20) (60) (SPX1, SPX2)

1 (25) (60) (60) 1 (62) (80)

(80) 2 (65) (Nb) (Na) (80) (23)

(SPX1), (70) (22), 1 (62) (21), TFT (21), (1103) (22) 가 (23), 9 (70), (1011) TFT (80) (1101), (1102)

(SPX1) (1010), (1012) (1003) (70) 1 (62) 7

(30), 8 가 (50), (40), (SW1), (52) (45), (54) 1 (54) (62)

(SW2) (SW1, SW2), (42) (45), (52) 2 (65) (SW1, SW2), (62) 2

(65), (70) (Na) 0 TFT (21)가

(100) / 가 (20) (100) (SPX1, SPX2) (25)

(25) , (Nc) (SWa) , (70) , (SPX1, SPX2) (65)
 (Nc) (SWb) . 2 (65)
 (70) 2 (65)
 (Nc) ,
 2 , (100)
 2 , (SPX1, SPX2) 2 , (SPX1,
 SPX2) S:2S , C:4C ,
 (23) (22) 가 .
 (SPX1) V , (SPX2)
 (SPX1) (,) V , (SPX2)
 O .
 가 가 ,
 1 .

$$V \times S + 0 \times 2 S = V \cdot S \quad 1$$

, (SWb) 가 , 2
 , 가 , (SWa) , .
 , (SPX1, SPX2) V' , 2가 .

$$V' \times (C + 4 C) = V \times C + 0 \times 4 C \quad 2$$

2 , V' = V/5가 . , (SPX1) V V/5
 , (SPX2) 0 V/5 .
 , 3 .

$$V/5 \times S + V/5 \times 2 S = 3/5 \cdot V \cdot S \quad 3$$

, (SPX1) (SPX2) , , (SPX2)
 가 V , (SPX1) 가 ,
 , 4 .
 가 ,

$$0 \times S + V \times 2 S = 2 \cdot V \cdot S \quad 4$$

가 , V' , 2 , 5가 .

$$V' \times (C + 4 C) = 0 \times C + V \times 4 C \quad 5$$

V 5 , V' = 4/5 \cdot V가 . , (SPX1) 0 4/5 .
 , (SPX2) V 4/5 \cdot V .
 , 6 .

$$4/5 \cdot V \times S + 4/5 \cdot V \times 2 S = 1 2/5 \cdot V \cdot S \quad 6$$

, (SPX1)(S, C) (SPX2)(2S, 4C) ,
 (1)(SPX1,SPX2) (0)
 (2)(SPX1) (S \cdot V),

(3)(SPX2) (2 · S · V),
 (4)(SPX1, SPX2) (3 · S · V) 4 , 2 가
 (5) (SPX1) (3/5 · V · S)
 (6) (SPX2) (12/5 · V · S) 2 ,
 가
 (100) 2 , 3
 3 , 3
 3 (SPX1 SPX3) , / 가
 (SW12, SW23, SW13) , 가 가
 (SW12, SW23, SW13)
 (2)
 4 , 2 (110) 1 (100)
 4 , (110) (70) 가 , (71), (75)
 (SW3)가
 (71) (30) 1
 (71) (70) 가 가
 (SW3) , (71) (50)가 (7
 5) 가 , (SW3) , (75)
 가 , 1 가
 5 , 2
 5 (26) , TFT 2 (27, 28) (SPX'1) , 1 (SPX1) TFT (29)
 (26) , (70) TFT (21) 1 (62)
 TFT (Nd) (80) (Nd) , (75) (Ne)
 (27) n TFT (28) TFT (27) (Nd) , (80) TFT
 (Ne) (27, 28) (Nd) , / , (30)
 TFT (Nd) , (75) (80) (Ne)
 TFT (29) (71) , (Ne) (Na)
 , (71) (Nd) , ()
 75) (80) (Na) (Na) (23)
 (SPX'1) , / 1 (62) , TFT
 (21) (Nd) , (26) (Nd) , 가
 , (70) (Nd) , 가
 (Nd) 가 H (SPX'1) , TFT (27)
 가 (71) (Na) (75)
 (Nd) 0 (SPX'1) 가 , TFT
 (28)가 TFT (27) , (71) (Na)
 (80) (Na) / (26) , (71)
 , (75) (80) (Na)
 , (26) ,
 , (71) ,

·
, (75) (80) (Na) (Na)
, (75) 가 1 () 가 () 2
) 가 1 2 (,
, 가 가 (sticking)
, (80) 가 ()
) 가 가
, 2 가
, /
,
, 가
(6 2)
6 2 (200) 6 (200) ,
2 (110) (110) (10)
, 5
, 가 2
(110) (200) ,
, (battery)
7 2 (210) (210)
7 (210) (200) 2 (110)
, (210) ,
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, 2 /
, 가 가 가
, 가 가
, 1 2
, 가
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(57)

1.

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, 1
2 ,
, M (M: 2)
, 1 1
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,
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, 1
1 1
1 ,
1

1 , 1 2 2

2 , 1 , 2

2 , 1 , M 2 , 1 ,

2 / 가 .

2.

3.

2 , , , , 1

2 , , , , 1

2 , M (M: 2) , 1 , 1 ,

2 , , , , 1 1

2 , 1 2 , 2

2 , 2 2

2 , 1 , M 2 , 1 ,

2 / 가 .

4.

M (M: 2) , M , 1 2 , 1

2 , 1 2 , 1

2 , 2 1

2 2

5.

M (M: 2) 1

1

1

1 2

1 2

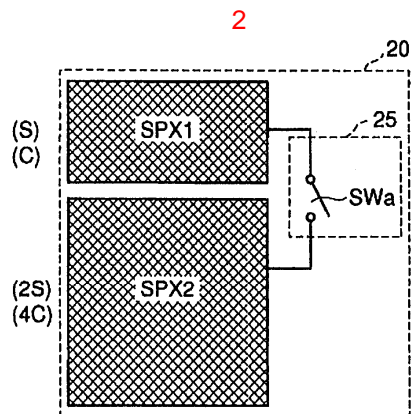
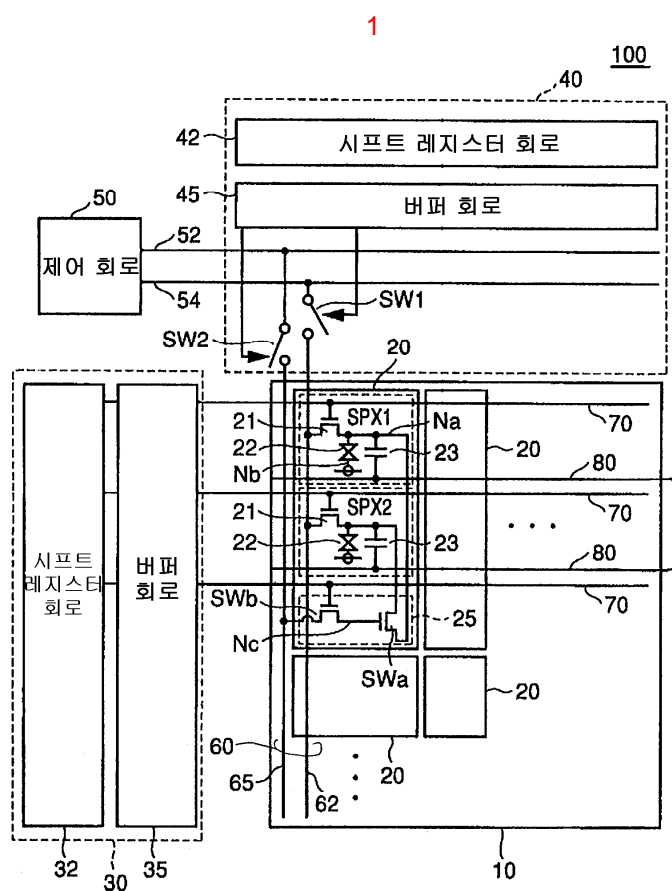
1 2

1 1

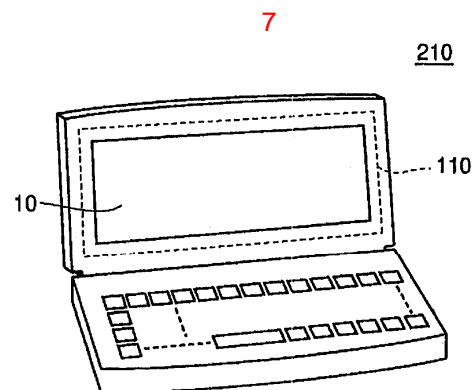
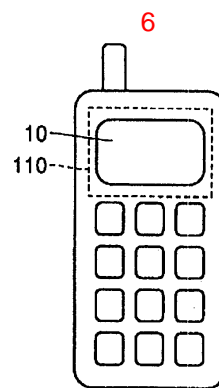
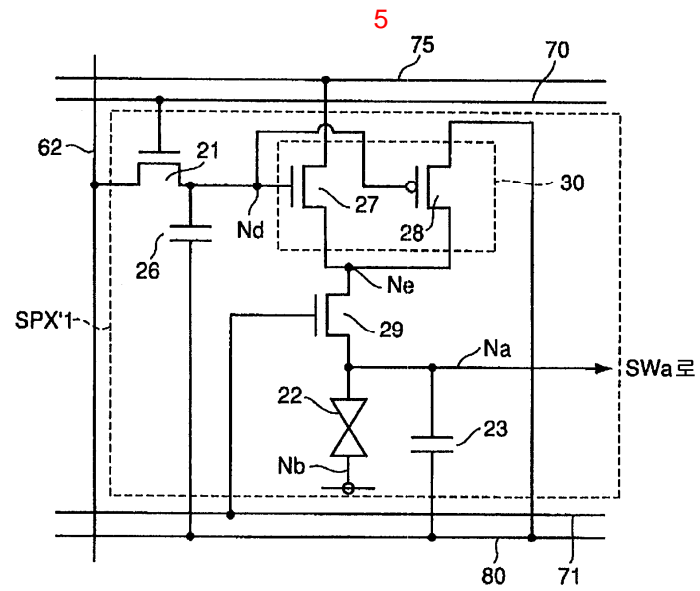
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2 1

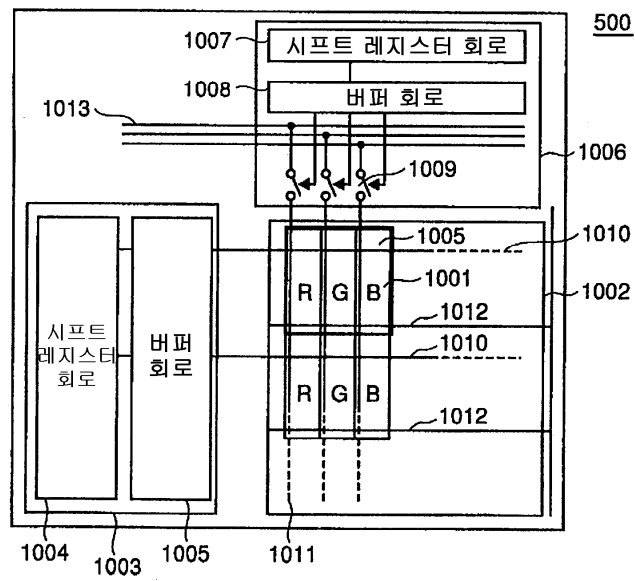
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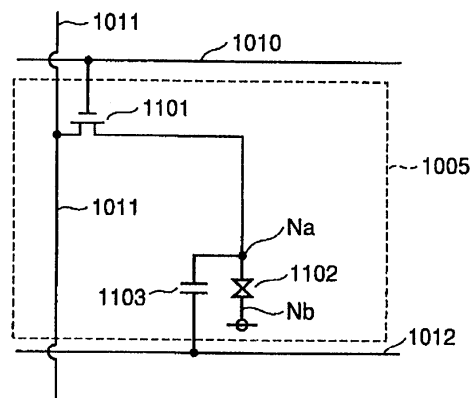




8
(종래기술)



9
(종래기술)



10
(종래기술)

