

(19) (KR)  
 (12) (A)

(51) 。 Int. Cl. <sup>7</sup>  
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 (43) 2002 03 27

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(21) 10 - 2001 - 0055687  
 (22) 2001 09 11

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(30) JP - P - 2000 - 0028  
 5329  
 JP - P - 2001 - 0025 2000 09 20 (JP)  
 4850 2001 08 24 (JP)

(71) 가 가  
 2 4 - 1

(72) 가  
 가 3 - 3 - 5 가 가

(74)

:

(54)

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가 (逆) 가

, (21, 22) V<sub>cc</sub> GND  
 가 (10) 가 ,  
 (10)

1

2

1

3 2

4

2

5 4

6

3

7 6

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10

11 10

12

13 12

14

15

16

(finder)

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1 :

2 :

4 :

10 :

21, 22 :





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1

, 2 , ,  
,  
1 , , 2 가

, 3 , ,  
,  
1 , 2 가

, 4 , ,  
,  
, 1 2 가

, 1 2 , , 가  
,  
1  $V_{cc}$  , 2 (GND) , ,  
,

, 5 , , 가

, 1 , , 가

, 1 , , 1 , 1 , 1  
2 2 , 1 2 1  
2 , , 1 2

，「 」， 가  
， (泳動) ， ، 가

, 1 , 1 1 , 1 2 , 1 2 , 1 1 , 1 2 , 1 2 , 1 .

1  
 .  
 1 A (21) , 1 (V<sub>cc</sub>) 1 , 1 (1) 1 A  
 (GND) 2 .  
 .  
 , (10) (22) (1) 2 B 2 B 2 (22) 1 (V<sub>cc</sub>)  
 1 , 1 2 (GND) 2 B 2 , 1 (V<sub>cc</sub>) 2 (G  
 ND) (10) 10V .  
 .  
 (V<sub>cc</sub>) (10) (1) (22) (1), (21) 1  
 . 1 A 1 , (22) (GND) 2 B 2 (21) 1  
 10) 2 .  
 .

, (21, 22) 가 . , 가 GND 가 . , (21, 22) 가

2 1 . , (1) (Tr1) , (2) , (2) , (Tr1) 1 A (Tr2) , , (2) , (Tr1) 1 A 2 B가  
 (Tr1) 2 B .

, 1 A 2 B (21, 22)  
 (22) GND . (10) (1) (2) , (21) (Tr1) V<sub>cc</sub> . ,  
 . (10) .  
 , (22) (10) (2) , (21) GND , V<sub>SEL</sub>  
 , V<sub>cc</sub> V<sub>cc</sub> 1 A (V<sub>D</sub>) V<sub>cc</sub> GND , , (Tr1) ,  
 , 3 C (V<sub>S</sub>) GND V<sub>cc</sub> , , (Tr1) , (Tr1) ( )  
 , V<sub>1</sub> V<sub>D</sub> 가 (2) , , (Tr1) , 1 A V<sub>D</sub> 가  
 , V<sub>cc</sub> GND , , (Tr1) V<sub>1</sub> V<sub>cc</sub> 3 C V<sub>S</sub> . ,  
 2 B , , (Tr1) (10) (V<sub>th</sub>) 가 가 .  
 , , (21, 22) 가 , 가 , 가

$$4 \quad 2 \quad . \quad , \quad (1) \quad (Tr1) \quad , \quad (2) \quad . \quad , \quad (10) \quad (Tr2) \quad , \quad (2) \quad , \quad (1)$$

, (2) 2 (Tr4) 1 A  
 , (2) (Tr1) (Tr1) (Tr4) 1 A .  
 . , (Tr1) 2 B (Tr4) , 1 A 2 B가  
 (Tr1)

, 1 A 2 B (10) (21, 22) V<sub>cc</sub> GND  
 . , (21) (21) V<sub>cc</sub>  
 . , GND (Tr1) (Tr4)  
 , (10)

$$\begin{array}{ccccccccc}
D & V_1 & & (\text{Tr4})\text{가} & & , & 1 & A & V_D\text{가} & V_{cc} & G \\
ND & & , & V_{cc} & & (\text{Tr4}) & & V_{th} & . & , \\
& (\text{Tr1}) & & ( ) & \text{가} & , & & \text{가} & (2) & , \\
& & , & E & V_2 & V_2 - (V_{cc} - V_{th}) & . & , & V_2 & (V_{cc} - V_{th}) & , \\
2 & B & V_3 & V_{th} & . & , & & (\text{Tr1}) & (\text{Tr4}) & \\
& & & . & , & & & (10) & & \text{가} \text{ 가}
\end{array}$$

, , 가 , 가 , 가

6 3 . , 11 - 272233  
 (1) . , (1) (10)  
 (Tr1) , (Tr1)  
 (2) , (2) (Tr5)  
 . , (1) , (2) (Tr1)  
 , (2) GND  
 (Tr1) 1 A . , 1 A  
 (Tr1) 2 B . , 6  
 2 B가 (Tr1) . ,  
 (Tr1, Tr6) P (Tr5, Tr7) N  
 (Tr6) (Tr1) 가 .



, (100)가 , 14 , 15  
16 , , (viewfinder) ,  
, (car navigation) , (pager), ,  
, , POS , . ,  
(100)

, 1 1 2 2  
, 가 가 , 가  
가 .

(57)

1.

가

1  
1

1 2

2

2

1

가 1

1

1

2

가 2

1

2

2

가 2

1

2

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1 ,

(on)

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1

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1

2 가

3.

1

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(off)

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2 가

4.

1

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1

2 가

5.

1            4            ,

가

6.

1            5            ,            가

7.

1            1            ,            1            2            ,            1  
21            ,            2            ,  
,

1

8.

7            ,

9.

1            1            ,            1            2            ,            1  
21            ,            2            ,  
,

1

10.

9            ,

11.

10            ,

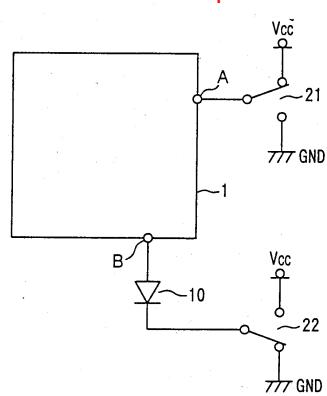
(導通)

1

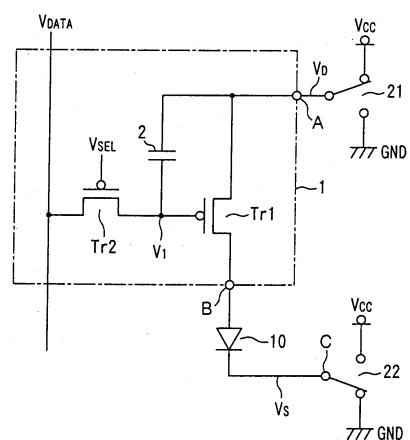
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1

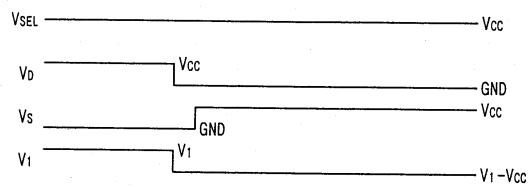
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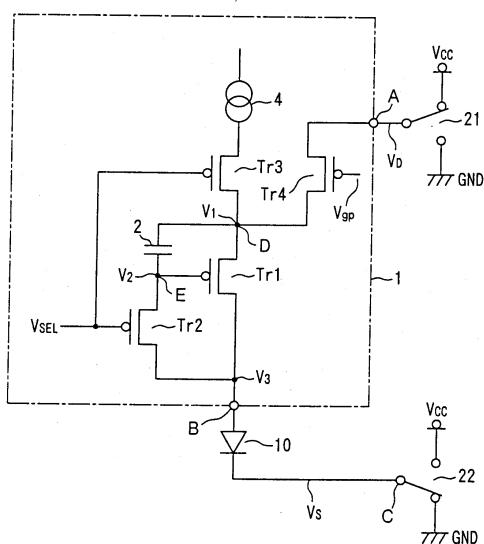
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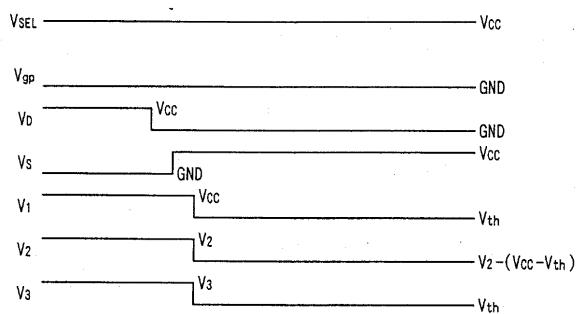
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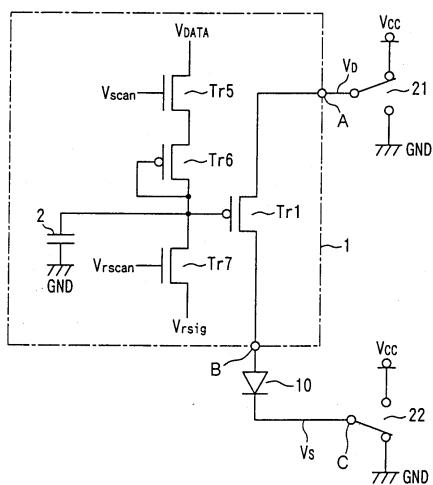
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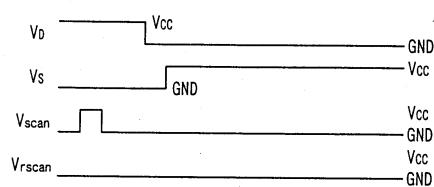
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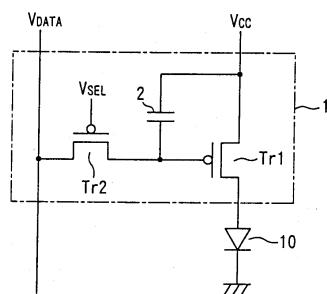
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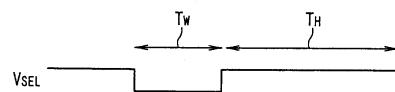
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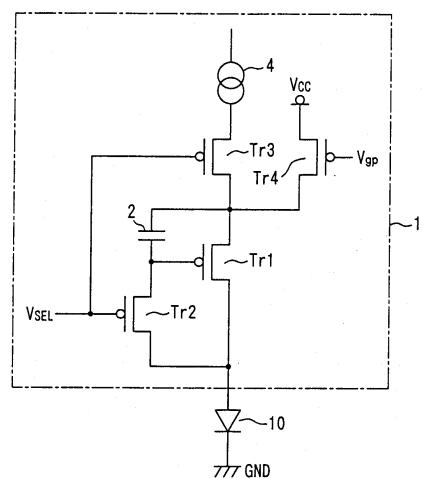
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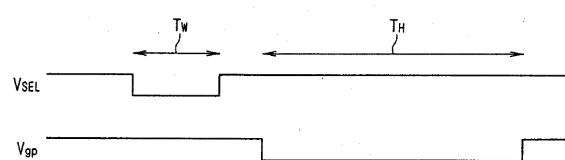
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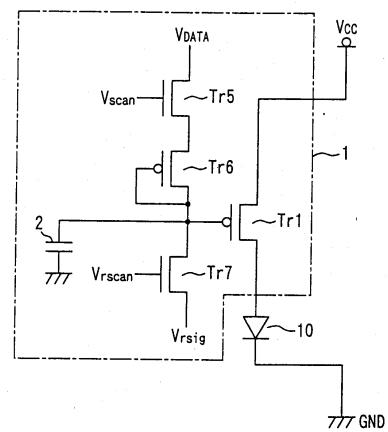
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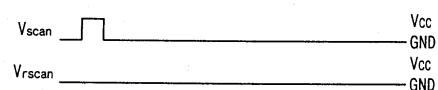
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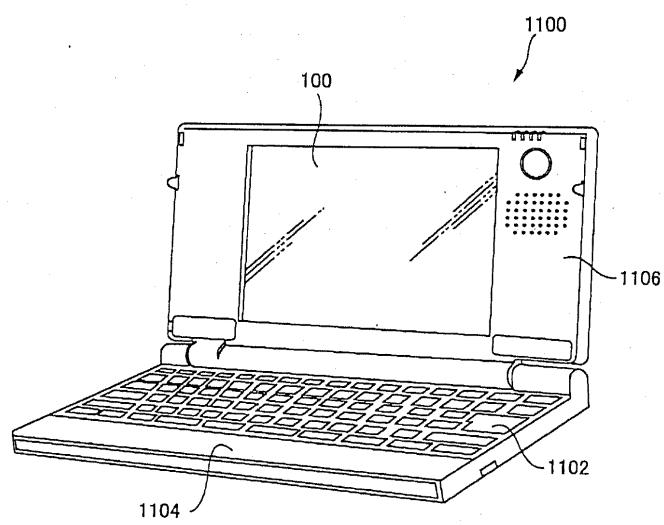
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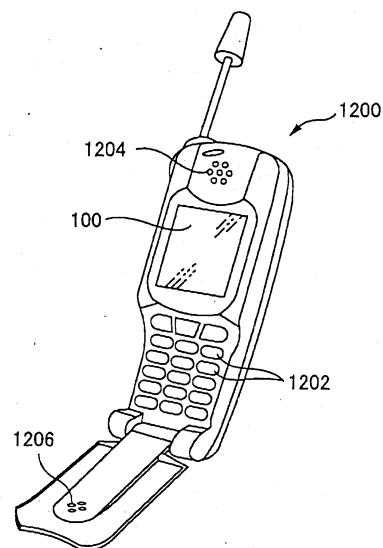
13



14



15



16

