

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

(51) 。 Int. Cl.⁷ (11) 10-2004-0048985
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(21) 10-2004-7006013
(22) 2004 04 22
2004 04 22
(86) PCT/US2002/030337 (87) WO 2003/036702
(86) 2002 09 27 (87) 2003 05 01

(30) 09/986,232 2001 10 22 (US)
(71) , 60196, , 1303
(72) , , .
78727 13114
(74) :

(54)

(46) (35) (46) (35) /
(20) (26) (32) (10)
(26) / (26) (32) , (35) (46)가
 . / (20) (35) (20) . (1
, (35) (26) / (20) .
0) , .

(interconnect)

(buried contact)

(opening)

1

2

1

3 6 2

7 9 2

가

$$\begin{aligned}
 & 1 \quad , \quad (10) \text{가} \quad , \quad (14) \\
 & \cdot \quad (12) \quad (16), \quad / \quad (18), \quad / \quad (20) \quad \text{가} \quad (12) \quad (14) \\
 & / \quad , \quad (14) \quad / \quad (22) \quad / \quad (24) \quad \text{가} \quad \cdot \quad / \quad (18, 22 \quad 24) \\
 & (16) \quad , \quad \cdot \quad / \quad (20) \quad (14) \quad (26) \quad \cdot \quad , \quad \cdot \\
 & \quad / \quad \cdot \quad \cdot
 \end{aligned}$$

[illegible]

[illegible]

(57)

1.
(electrical contact)

$$1 \quad 2 \quad 2 \quad 2$$

4. 3, 2, 1, 2

5.

3, 2, 2

, 2, 1, .

6. :

6 7.

8. 6, 1 3 4,

6 9.

9.

,

,

,

,

,

,

,

,

,

.

11. 6, 1 n- 2 p-, .

12.

6 ,
1 , 1 ,

13.

12 ,
1 , .

14.

12 ,
1 p , .

15.

12 ,
1 n , .

16.

12 ,
1 , .

17.

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

18.

17 ,
3 1 1 ,

19.

17 ,
/ , .

20.

17

21.

17

(salicide)가

1

2

22.

1

1

1

/

2

/

가

1

1

/

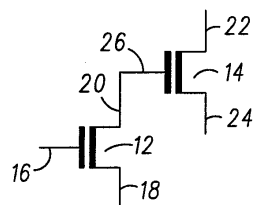
1

/

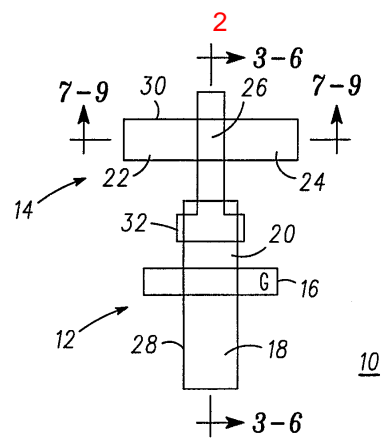
1

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종래기술



10



10

