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G01L 9/00

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(24)

2003 11 07
10-0404904
2003 10 28

(21) 10-2001-0032277
(22) 2001 06 09

(65)
(43)

2002-0093491
2002 12 16

(73)

455-6

(72)

107-506

2 453-20B01

1

102-1105

778-1

115-1503

554-6

104-703

(74)

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(54)

1 2 1 1 1
, , , , ,
2 2 1 1 1
/ / 1 1 1

(9) 가 (10a) (9) 가
 (C1₀) 가 (9) C1 가 / (d_o)가
 (C2₀) (9) C2 / (d_o)가
 가 , C1 C2 (C) C-V (V_{out})

5
 $V_{out} = A_g \Delta C$

3a, A_g 3g
 3a (11, 8) (10) (11, 8)
 3b (14) 2 (11) (10) (12) 1 2 (14) (12),
 1 (16) (12) 1 2 (14)
 3c (17) (17) (17)
 3d (17) (12) 1 (14) (19)
 3e (22) 2 (24) (19) (17) 1
 2 / (24) 1 / (14) (18, 20) (22) (12)
 , 2 (24) 2 (16) , 1 (22) 1 (14)
 가
 3f (9) (10) (10) 1 (14) (8) 가 (8)
 (9) (9) , 2b
 3g (17) (17) 가 1 2 (22, 24)
 4 4
 2
 2 (104), 3 (106), 가 (10) 1 (102),
 108) (104), 3 (106), 가 (108) 2 (104) 가 (102),
 (104) (102) (112, 114, 116) 2 (104) (112)
 (106) (104) 1 (102) 1 (118), 가 (108) (114) 2
 3 (122) 2 (104) (104) 3 (106)
 (105) , 1 (102) 3 (106) (11)
 110 2 (104) 3 (122)
 , 가 (108) 2 (104) , 1 3 (102, 104, 106)
 (102, 104, 106)

5 4
5 ,

(C1, C2)
(C1) 2 (104) 2 (120) (C2) 2 ($\frac{1}{2}C_2, \frac{1}{2}C_2$)

(C2) 1 (102) 1 (102), 3 (106) 3 (122) ($\frac{1}{2}C_2, \frac{1}{2}C_2$)
C2 / C2 1 (118) 3 (122) 2 (104) / (10)

4) (W_1) 1/2 , $W_1=2W_2$.
(102) 3 (106) (W_2) 2 (10)

1 3 (118, 122) 가

(112, 114, 116) / 가

가 가 , 가 (10)
(9) 2 (104) 가 (9) 가 ,
6a 6g (center-boss)가 (10a)

6a (10) (11, 8)

6b (11) (10) 1 (102)
(104) 3 (106) 가 (108) (102, 104, 1

06) 가 6c (107)

6d (107) 2 (104) 가 (108)

(109) 6e (109) (107) 1 (1)
(118), 2 (120), 3 (122) (109) (112, 114, 116)

12, 114, 116) (118, 120, 122) (112, 114, 116)

6f (10) (10) 2 (104) 가 (8)
(9) (9) (8) 2b (8)

(9) 6g (107)

/ 1

/ 가

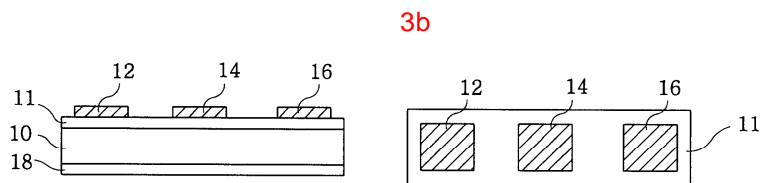
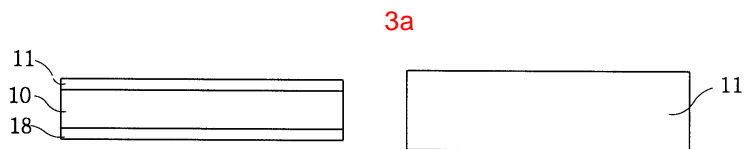
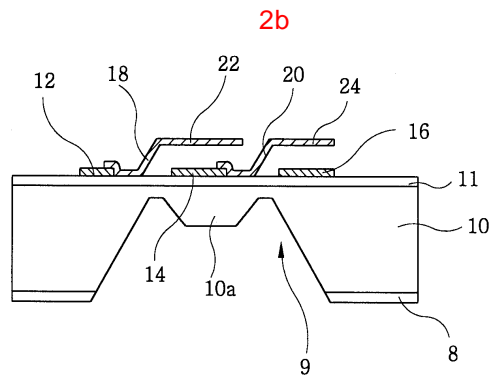
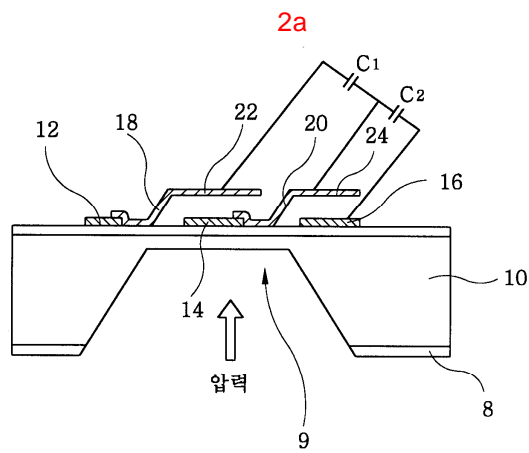
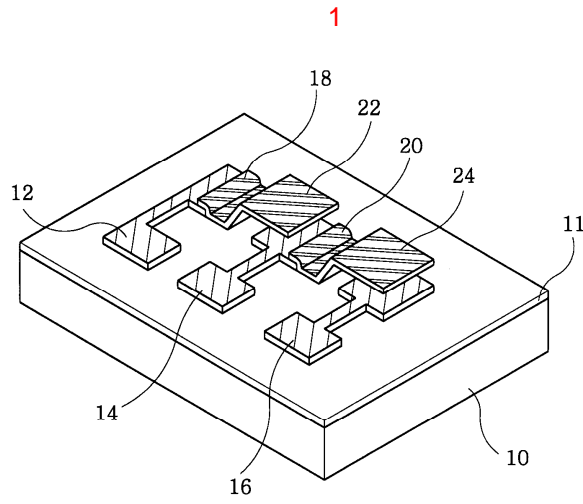
가 가 .

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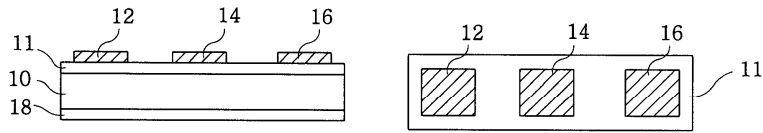
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2 1 2 ; 1 , 1

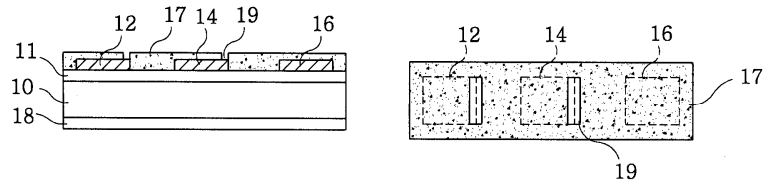
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- 3. 2 가 , 1 , 2 , 3 , 가 ;
2 2 1 ; 1 가 , 2
3 3 2 , 3 가 2
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- 4. 3 , , 가 2
- 5. 3 , 1 3 2 1/2
- 6. 5 , 가 ,
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- 7. 2 6 , , 1
- 8. 2 ; ; ; /
/ ; , /
- 9. 8 , 가 ,
- 10. 9 , ,
2



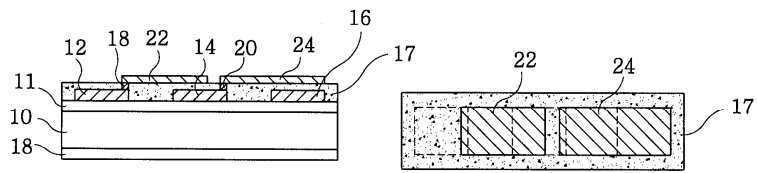
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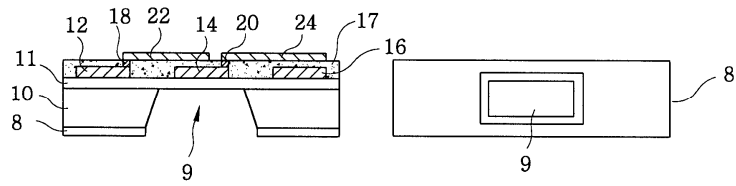
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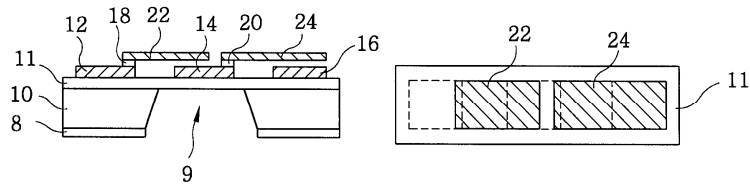
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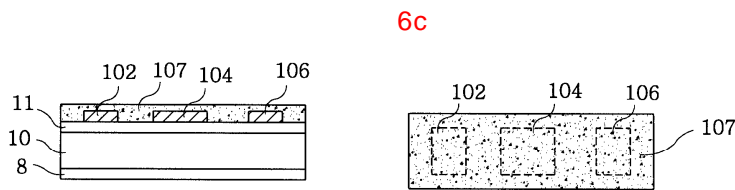
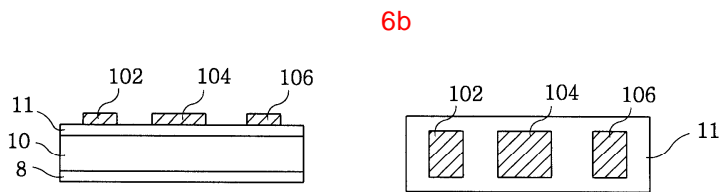
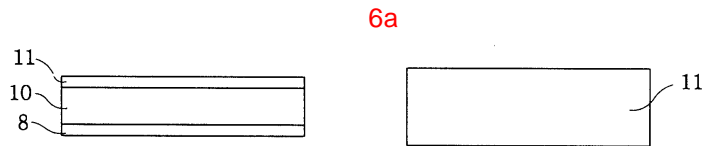
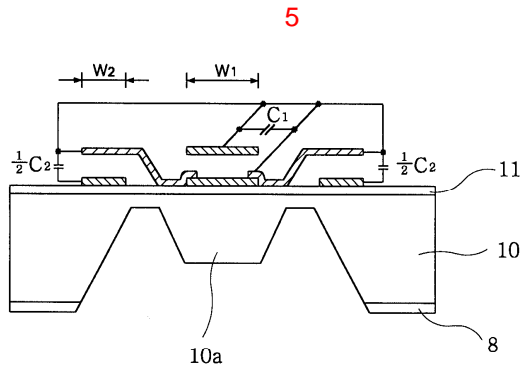
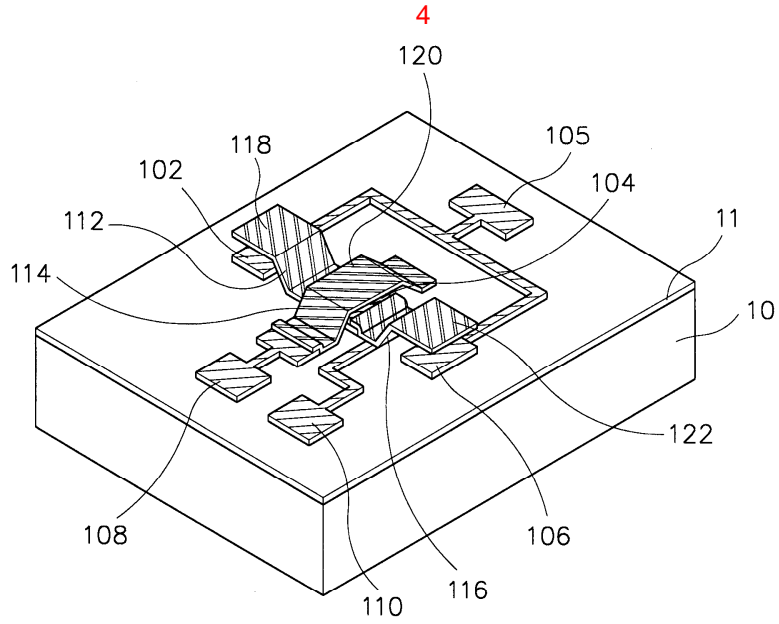


3f

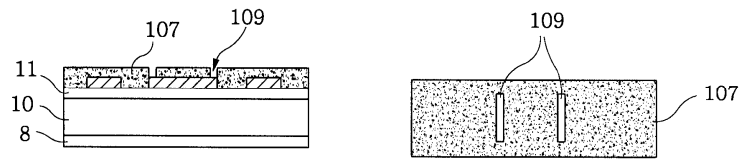


3g

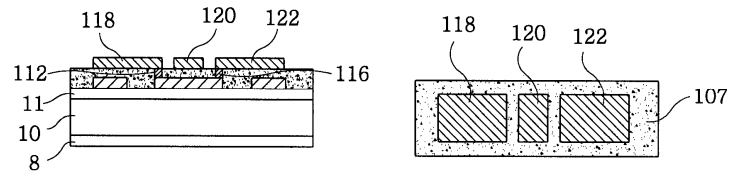




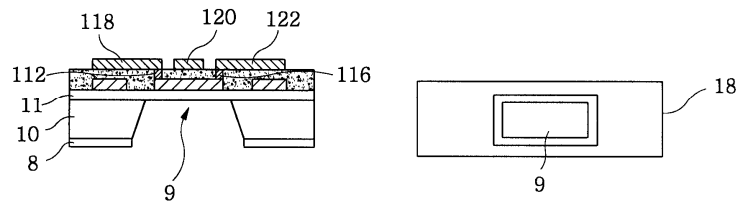
6d



6e



6f



6g

