

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷
G01F 1/69

(11)
(43)

2003 - 0026615
2003 04 03

(21) 10 - 2001 - 0059673
(22) 2001 09 26

(71) 가 가 - 14 - 18

(72) - 14 - 18 가 가
- 14 - 18 가 가
- 14 - 18 가 가
- 14 - 18 가 가
- 14 - 18 가 가
- 14 - 18 가 가

(74)
:

(54)

() ,

() (1), (2), (311, 312), (321,322)
(4) (311,312) (2) , 가
(311,312) (5) ()
321,322) (2) , (311,312)
(311,312)

1

1 1

2 1

3

4 1

가

5 1

6 2

7 3

8 4

9 5

10 6

11 7

12 가

13 가

14 가

15 가

*

*

1 - 2 -

311, 312 - 321, 322 -

331 336 - 4 -

5,51,52,53 - (cavity)

가

()

1

가

가

1 - 185416

, 2

2

, 2

가

3 - 52028

2

5 - 7659

1

가

가

가

가

가

1

/

;

가

2

;

;

2

;

,

;

2

가

3

4

/

5

6

「

」

「

」

, SiO₂, Si₃N₄, SiO_xN_y

, CVD,

「

」

「

가

가

Pt

Ni - Cr

(lift off)

「

(支持)」

2

(microma

chining)

7

1

6

8

2 (組)

가

2

9

(正負:positive and negative)

10

11

가

가

()

, 가

(1)

1

1.

1

, (1) (2)
, CVD,

(321,322) (331 336) (2) (311,312),
Pt Ni - C

r

, (2) (311,312,321,322,331 336) (4) (4)

(331 336) (311,312)
(5)

, (5) (1) (1) (4) (2)

, (2)

2.

, 1 2 (1), (2), (311,312),
(321,322), (331 336) (4)

(1) 가 가 3mm 가 6mm (311,312)가
(5) (2) (1)

CVD (2) (2) (1)
, (5)

(311,312) (2) 가
(311,312) (5)

(321,322) (2) (311,312)
 , (311) (321) ,
 (312) (322) .
 (331 336) Au Cr (311,312) (321,322)
 , , 1 (311) (321) (332)
 , (312) (322) (335) .
 (4) CVD , (311,312) (321,322)

3.

(321) (312) (322) 1 (組) 2 (311)
 , (61,62) (a,b,c,d) (71,72) (61,62) (71,
 72) (e,f) (g) .
 , (311,312) 가 (321, 322)
 가 , 가 (311,312)
 가 , 4 ,
 가 .
 , 가 1 R 가 (311)
 (311) 가 , (312) (311)
 , (311,312)
 4 가 (311) 5 (61,6
 2) 가 (g) .
 , 가 1 L , R (311,312) , 가

4.

(311,312)
 , (311,312) (5) (311,312)
 , (311,312) (321,322) ,
 , (311,312) (321,322)가 (4)
 (332,335) , (311,312) (321,322)

(2)

2 , (311,312) , 6 () , (321,322)

(321,322)가

, , 1

, 1 . , 1

(3)

3 , 7 , (321,322) (311,312)
(311,312) , (311,312)

(321,322)가

(311,312) , , 1 2

(4)

4 , 8 , (321,322) (311,312)
(311,312) , (311,312)

(51,52) , (321,322)

(321,322)가

1, 312) , , 1 2 (31
(321,322) , (51,52) (321,322)

(5)

5 , 9 , (321,322) (311,312)
() , (321,322) (谷) (山)

(6)

6 , 10 , (311,312) (321,322) (311,312)

5 가

(321,322)가 , 2

(7)

7 , 11 , (311,312) (321,322) (311,312)

5 가 (53) (321,322)

(321,322)가 , 3

(53) (321,322) (321,322) (311,312) (5) (311,312)

(311,312) (321,322)

(311,312) (321,322)

3

가 (a,c) 가 (e,f) 가 (311,312) 가 (311,312) g (311,312)

(61,62) 2 (61,62) 2 (311,312) (Va,Vb)

(極性) (Vc) (81) , Vc Va, Vb (82)

{Vc가 (正) } (Vo) Va가 , Va가 Vb {Vc가 (負) } (Vo) Vb가 , Vc

(Va,Vb) Vc, Vo (83) 13 (82) (Vd) 가 2

(61,62) 가 (12 13 (81) 14 15 (311,312) e,f) a,c)

1 가

2 3 4

5 6

7

(57)

1.

/

가 2

2 ,

1 ,

2.

1 ,

,

가

3.

1 2 ,

,

가

4.

1 3 ,

/

5.

1 4 ,

6.

1 5 ,

7.

1 6 ,

,

8.

7 ,

,

2

,

가
2

9.

8 ,

, (正負)

10.

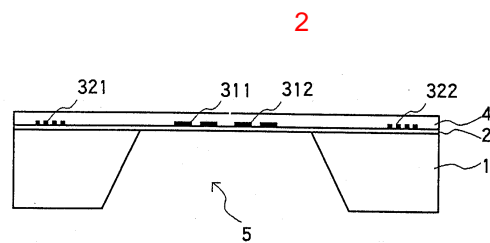
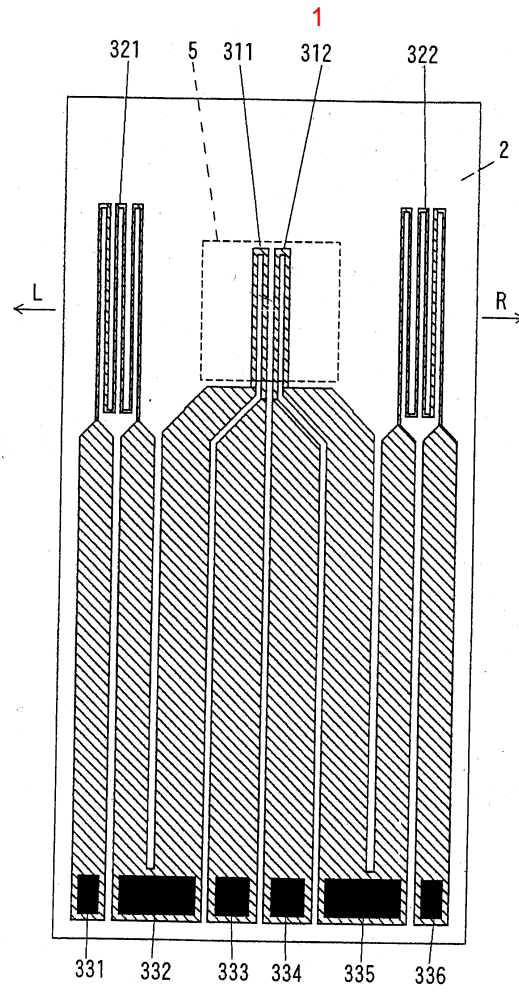
8 ,

11.

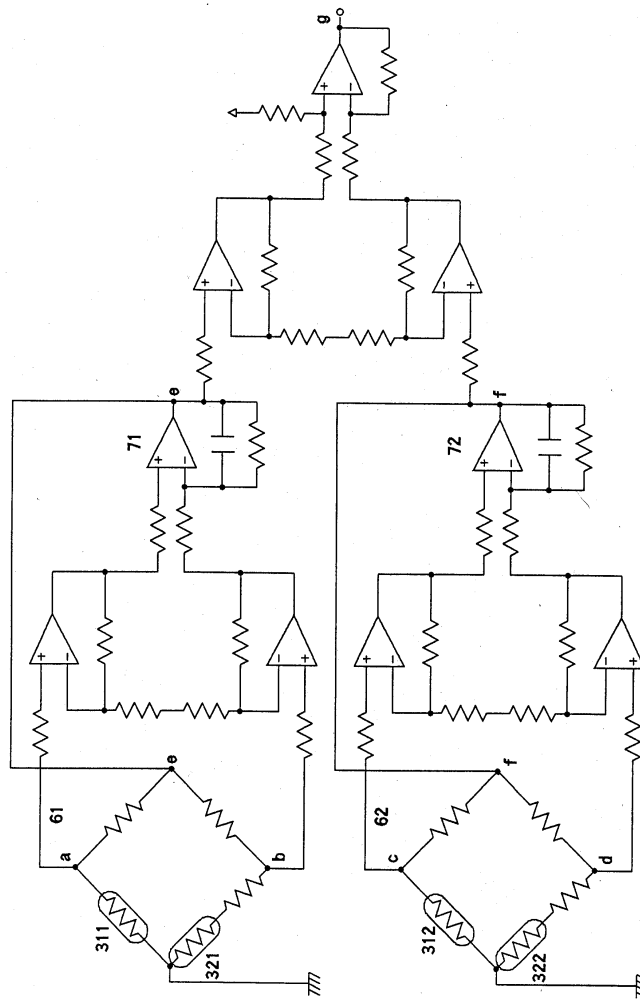
8 ,

가 , 가

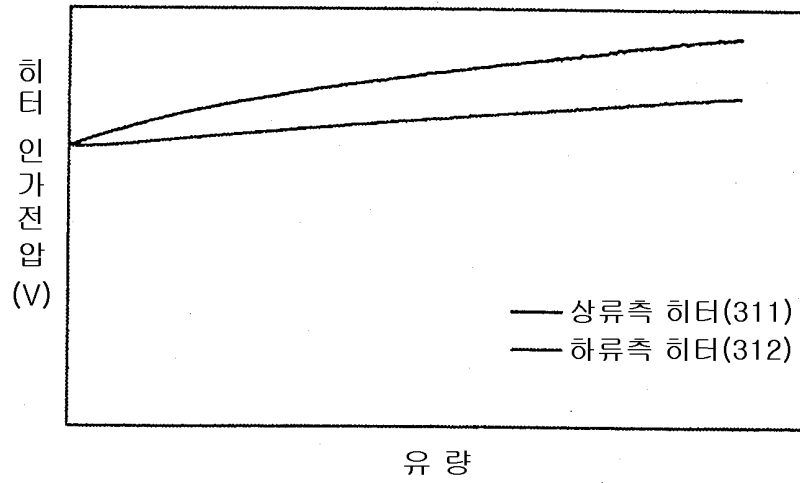
, .



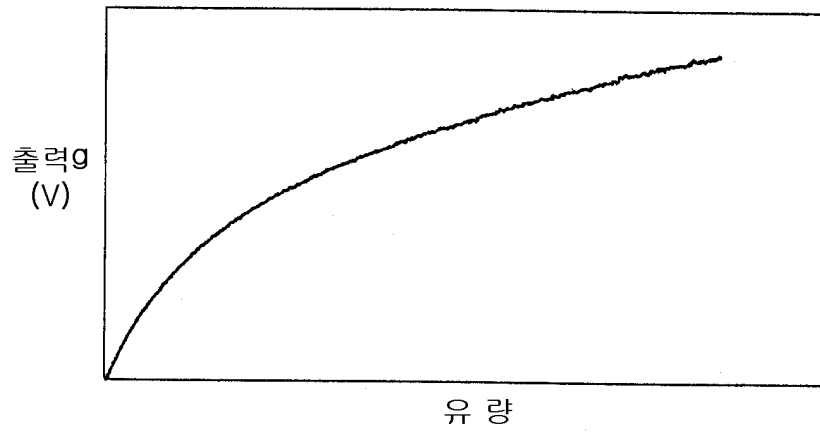
3

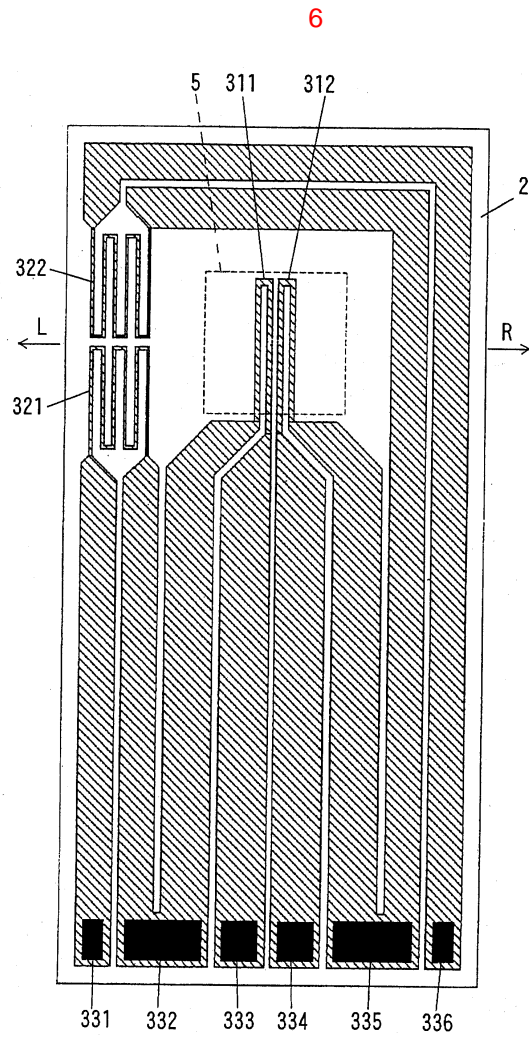


4

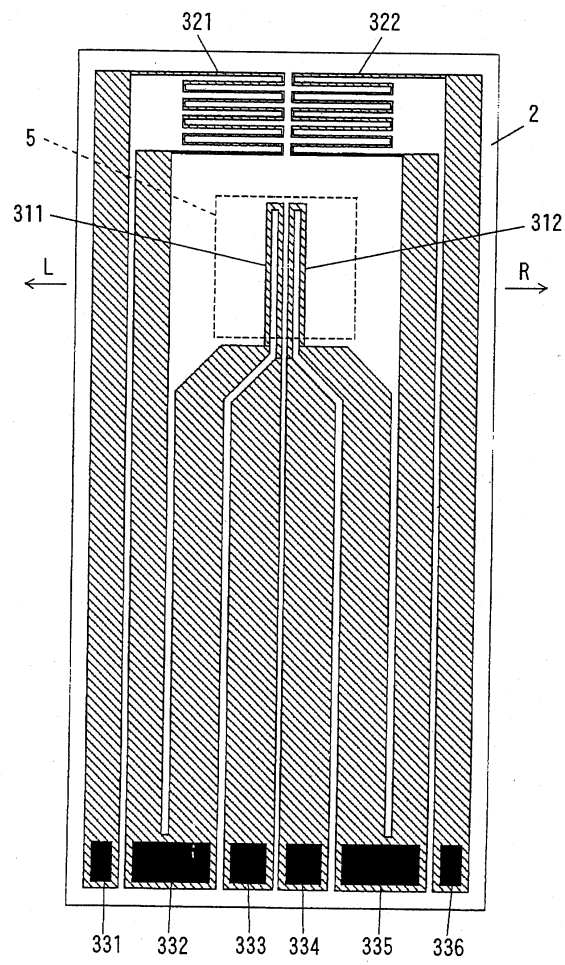


5

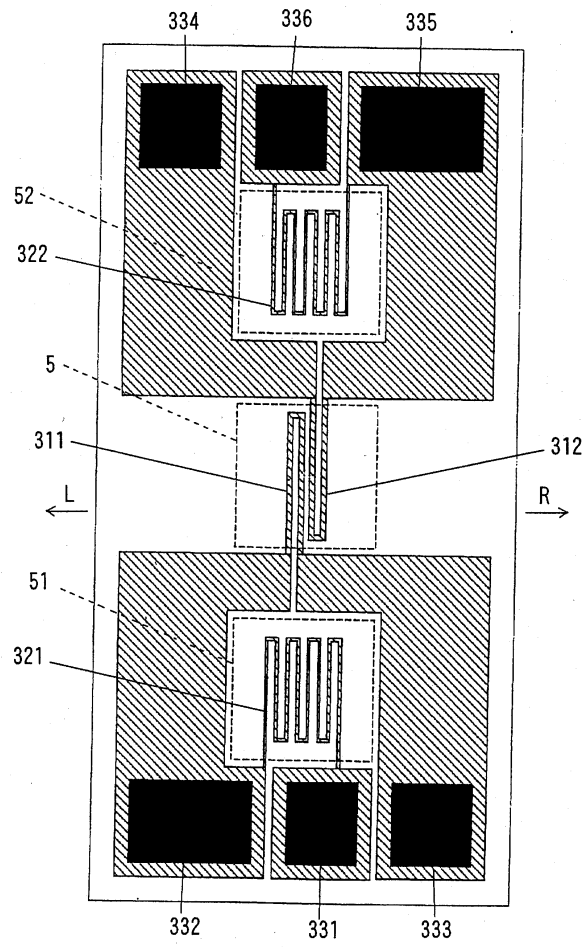


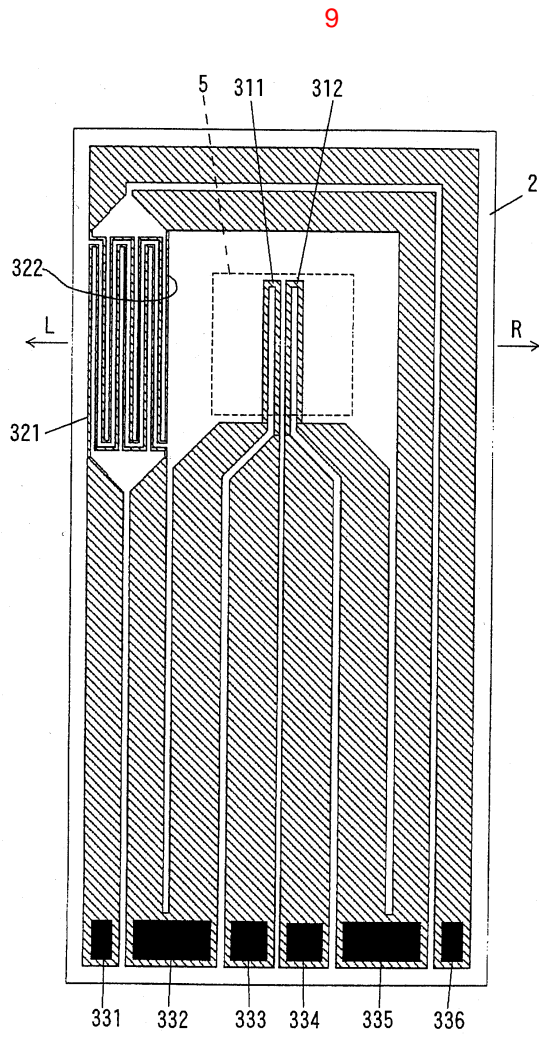


7

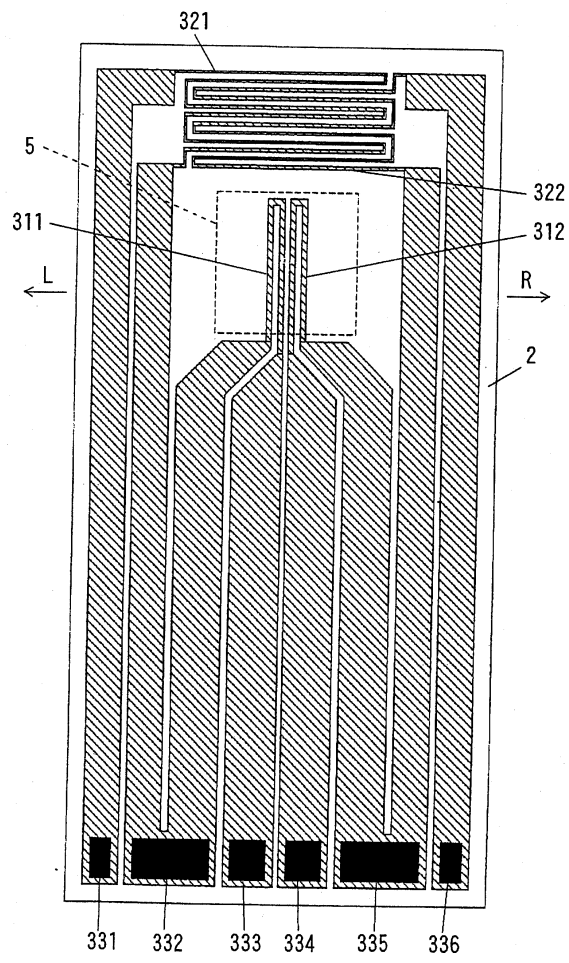


8

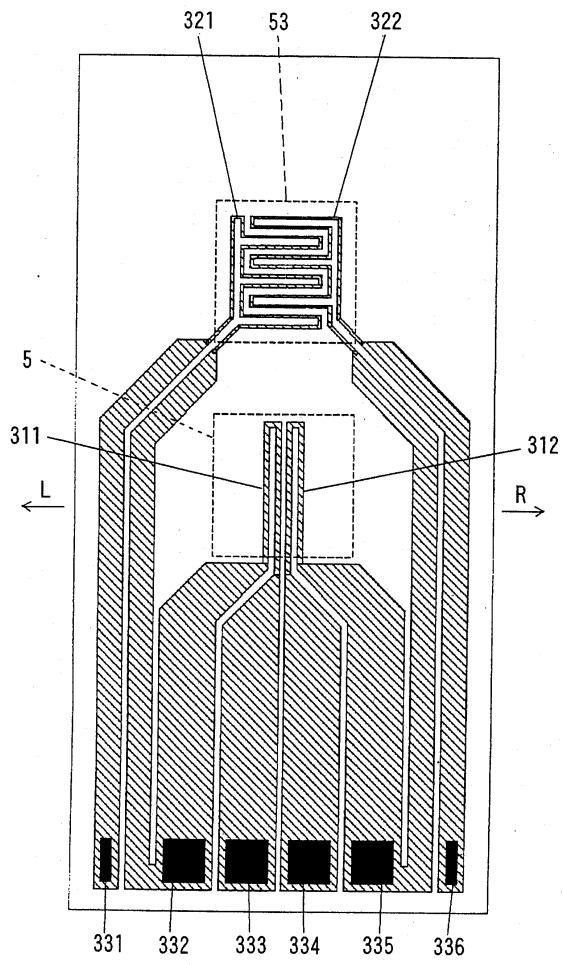




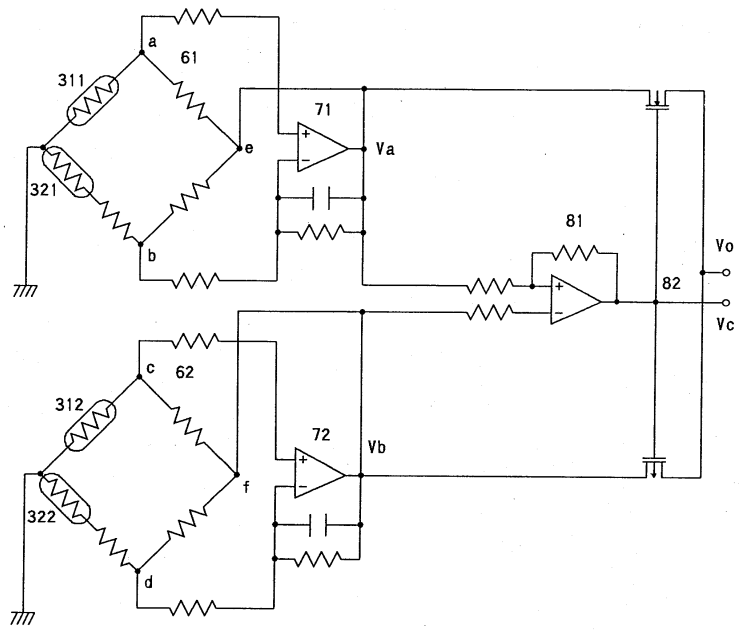
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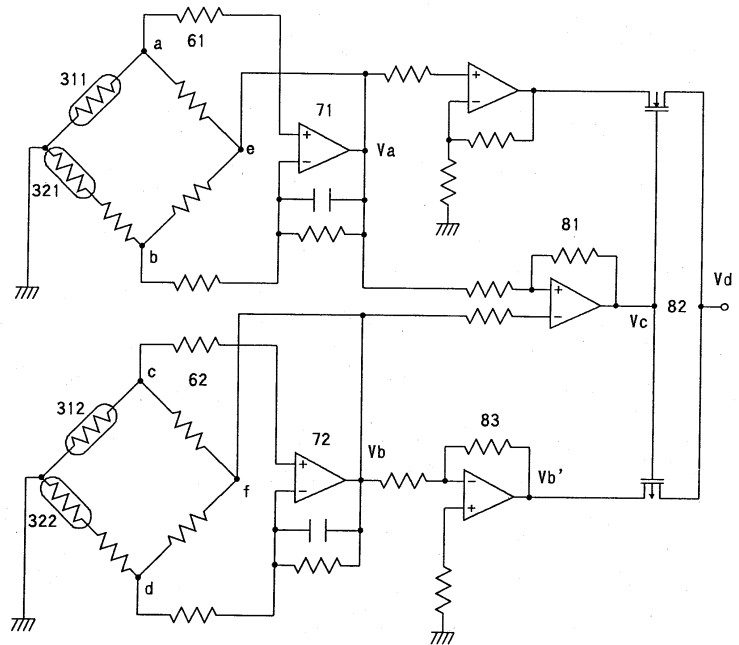
11



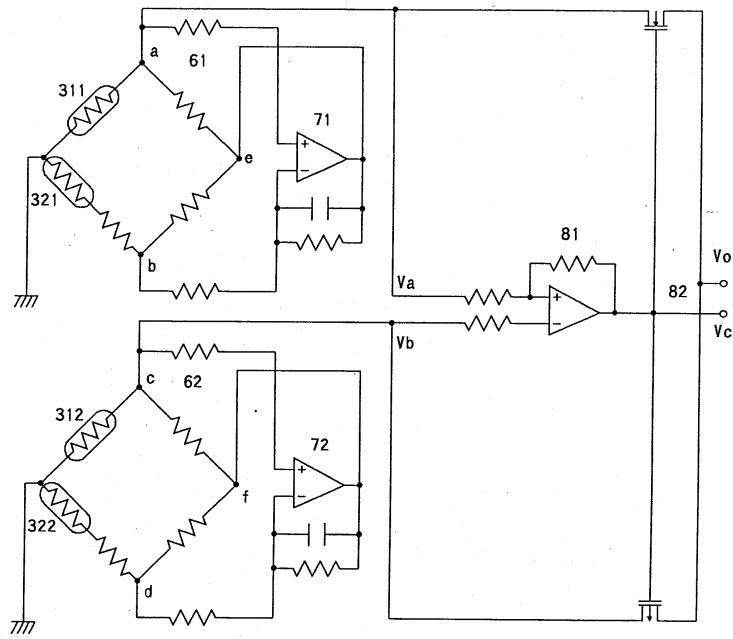
12



13



14



15

