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0010

(71) 가 가
1 4 28

(72) 1500 가 가

(74)

:

(54)

(3) (43) (1) , (3),
(6) (43) , (5), (5)
(6) ,
(7)

1

, , , , .

2a (1) (2),
 (2) (3), (4) (61)
 (3) (4) (5),
 (5) IC(6)

(7) 2a (IC(6) 2b (7)

(5) (61) N S (61)
 (3) (O) (61) 3a 3b (42)
 (90) (O) N S
 (5) 3a (90) N S

IC(6) IC(6)가 (43) (O)
 (5) (61) IC(6)

가 5 6

5 (O) (41)
 (P) 6 S1 (P)

(P) IC(6) 6 S2
 (7) 0° 360° 180°

(6 90° 270°)

7 가 0° 360° ICs(62)
 63)가 (O)

7b , IC(62)가 (61) , IC(63) IC(62) 90°
 (61)

8 ICs(62 63) 8 (7) IC(62)
 A A (7) IC(63) B
 A B , 0° 360° 가

, A , 0° 180° 180° 360°
 , B B , A 0° 180° , B
 360° , A 180° 360° 0°

A A B , A 0° 90° A
 A B , 90° 180°

0°, A, B, 270°, 360°, A, B, 180°, 27

가 가

가, 0° 360°

IC

가

가

가

가

가

가

2 가

2

IC가 IC

1

IC

IC가

IC(81)

9

9

(82)

IC(81)

A/D

(83), A/D (84),

(83)

(84)

(82),

(85),

D/A

(

(85)

86)

IC(81)

(85) DSP(

),

(84) EEPROM

IC(81)

가

(82)

, A/D

(83)

(85)

(84)

10

10

1

$$H = a \times Vh$$

(Vh: , H: , a:)

(84)

(85)

1

가

,

2

$$V = b \times Vh + c$$

(V: , b,c:)

(84)

2

(V)

(Vh)

(82)

10

10

가

3

(85)

D/A

(86)

IC(81)

IC가 2a

IC(6)

IC가 11

(7)

IC(6)

가

1

(7)

1

0°

360°

7a

IC(62,63)

ICs

0°

360°

가

IC

1

가

가

(57)

1.

1 , ;
2. ;

1 ,
2. ;
3. ;

3 ,
4. ;
5. ;

1 ,
5. ;
6. ;
0 ° 180 °

3 ,

IC , IC 0° 180°

7.

2 ,

0° 360°

8.

4 ,

IC 0° 360°

IC ,

9.

1 ,

,

N S ;

,

10.

9 ,

11.

3 ,

,

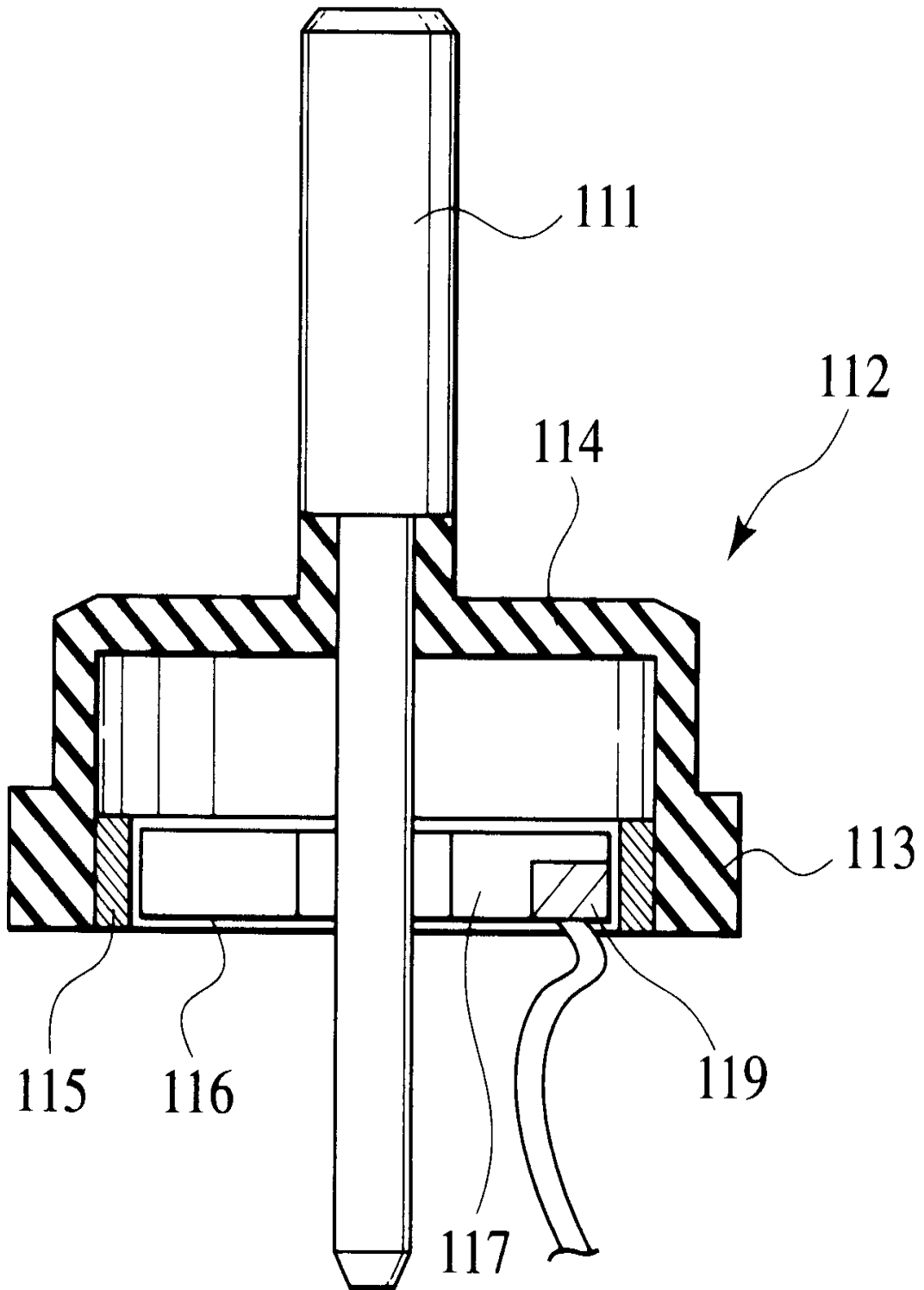
N S ;

,

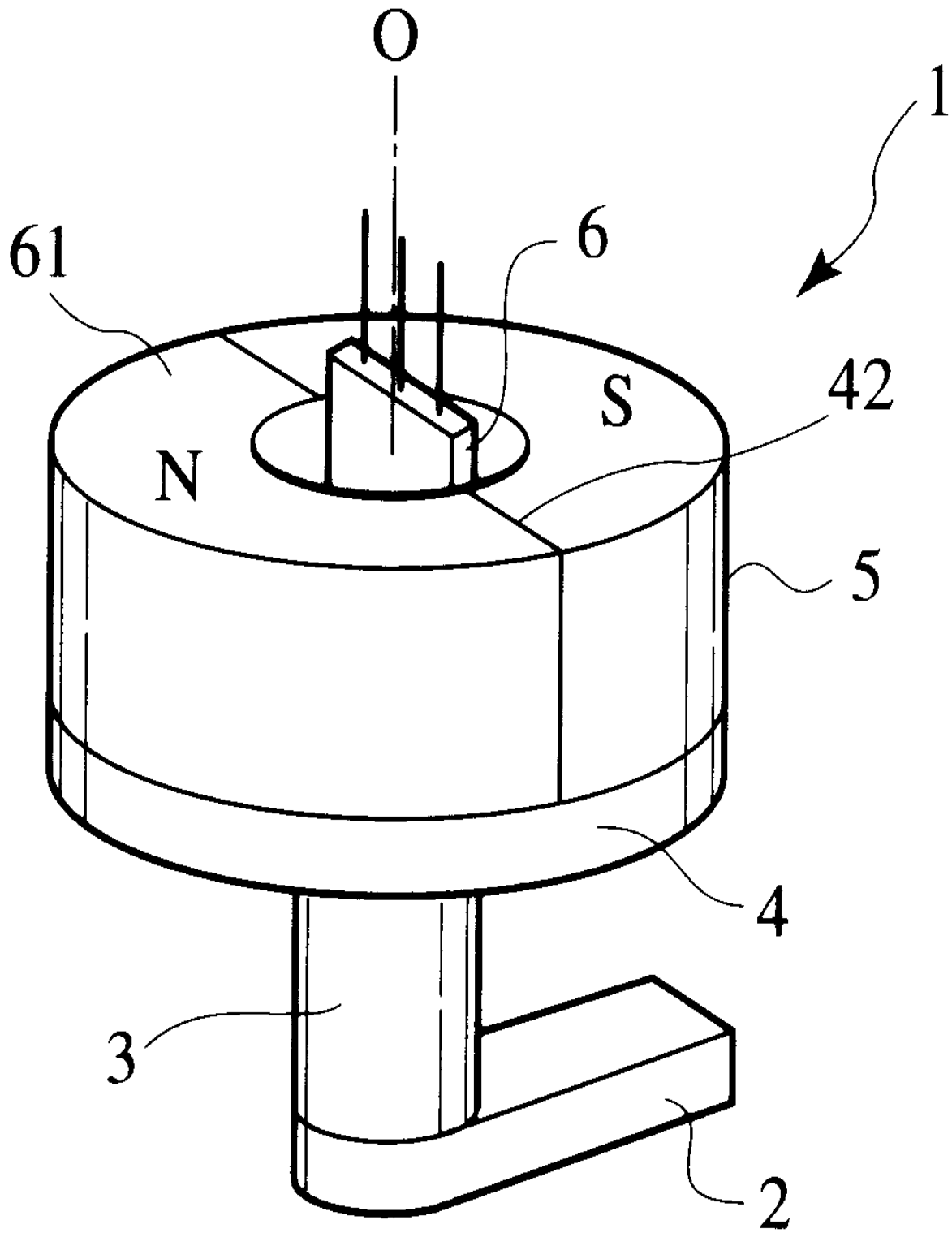
12.

11 ,

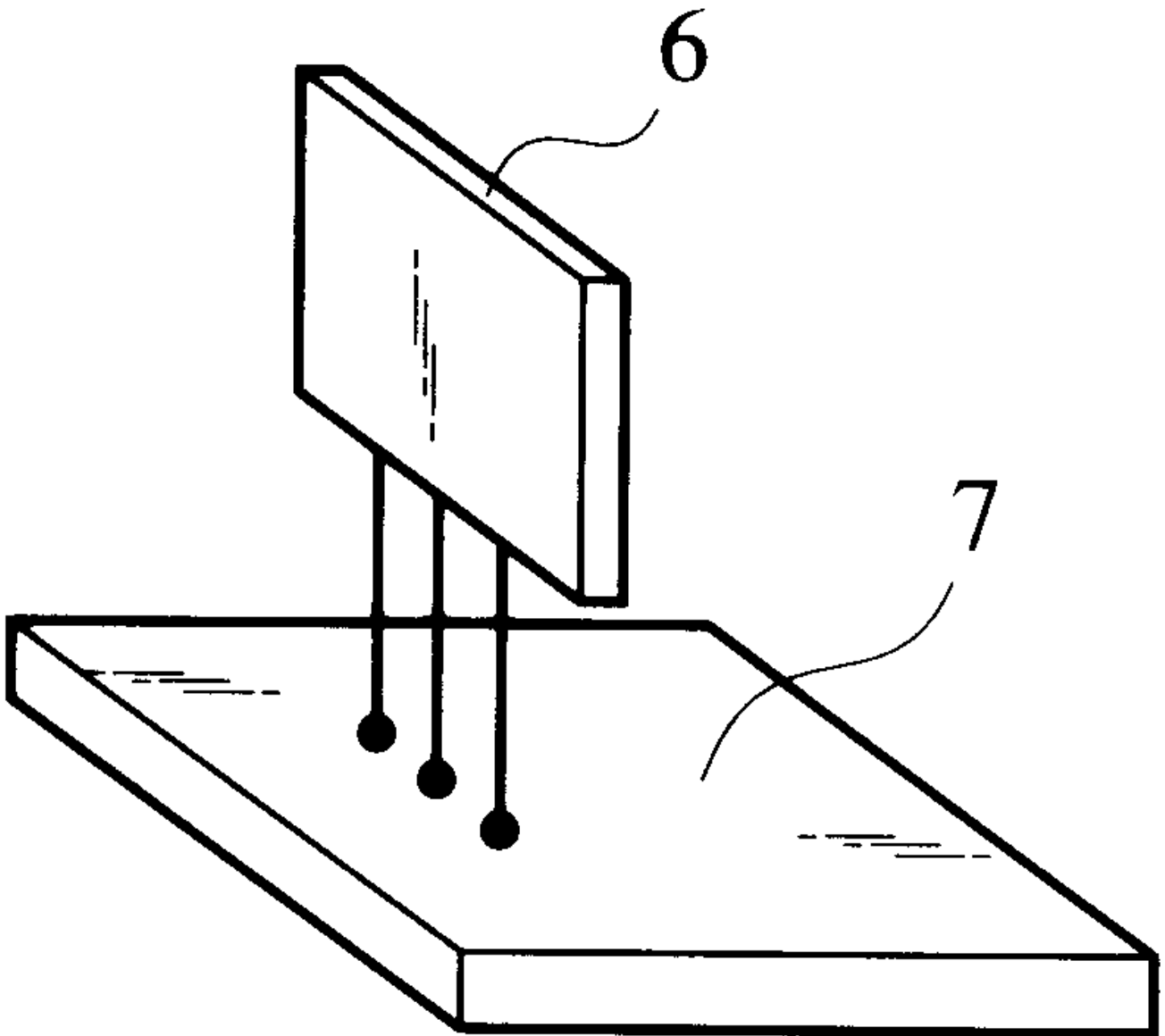
1
종래기술



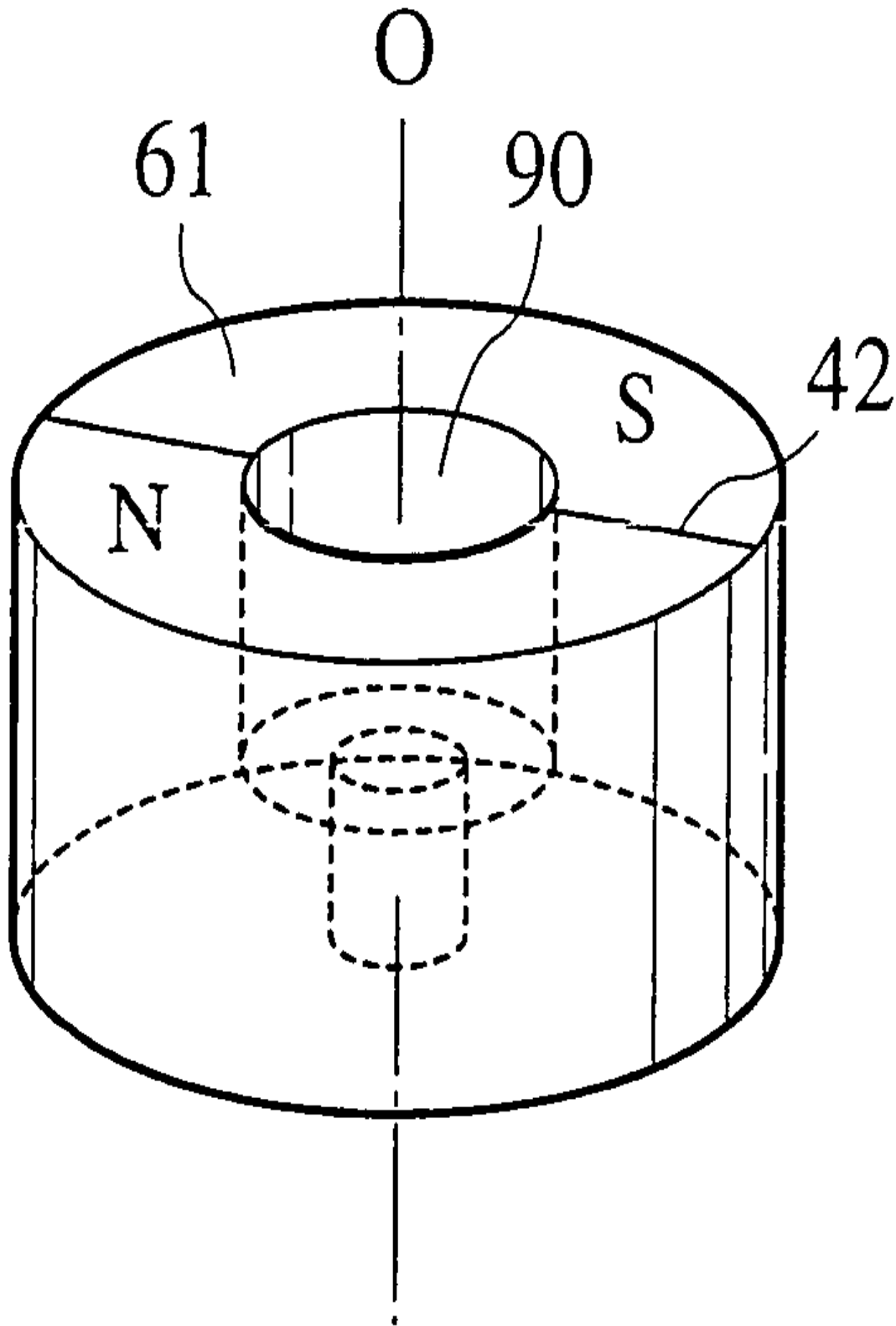
2a



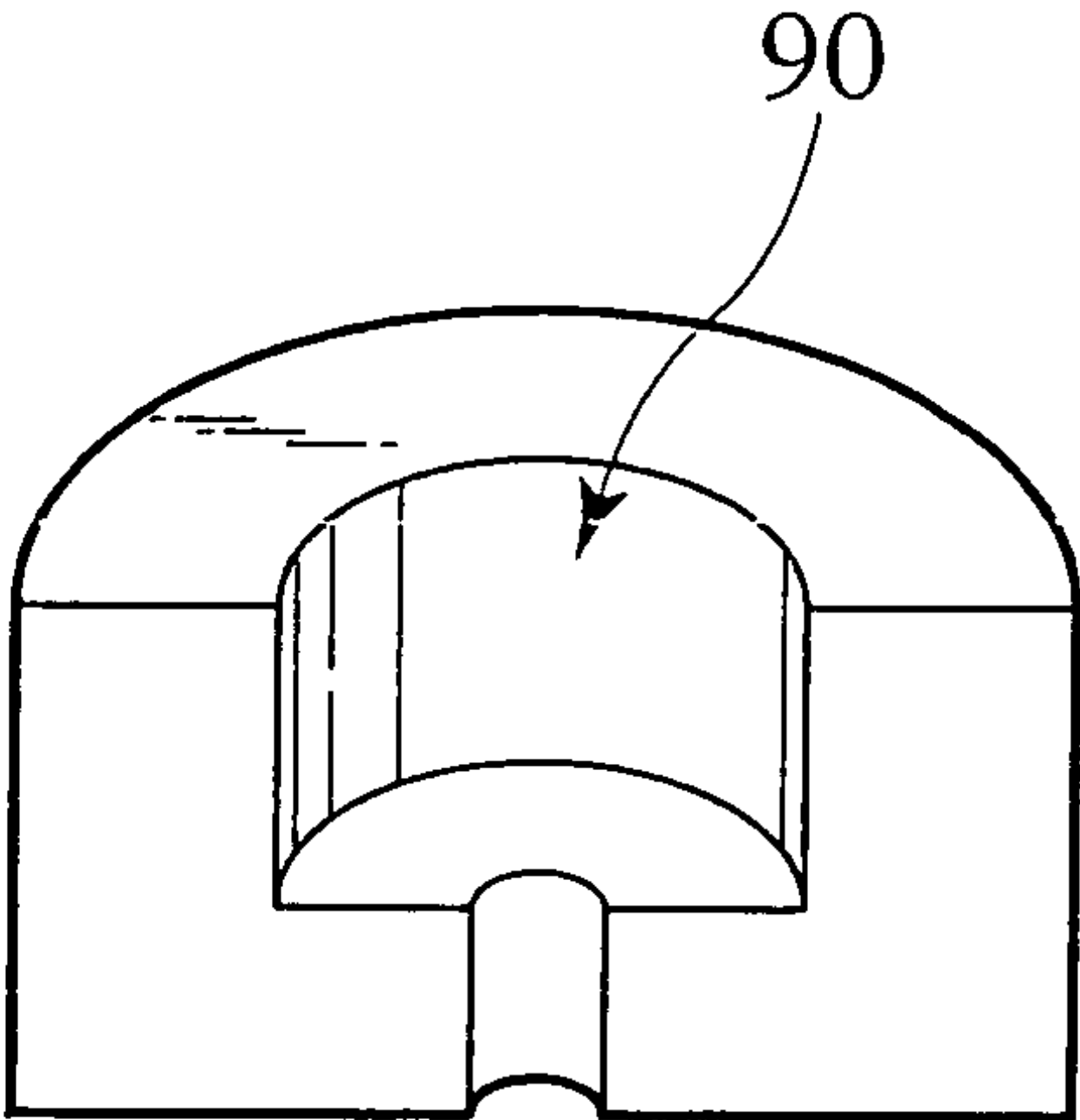
2b



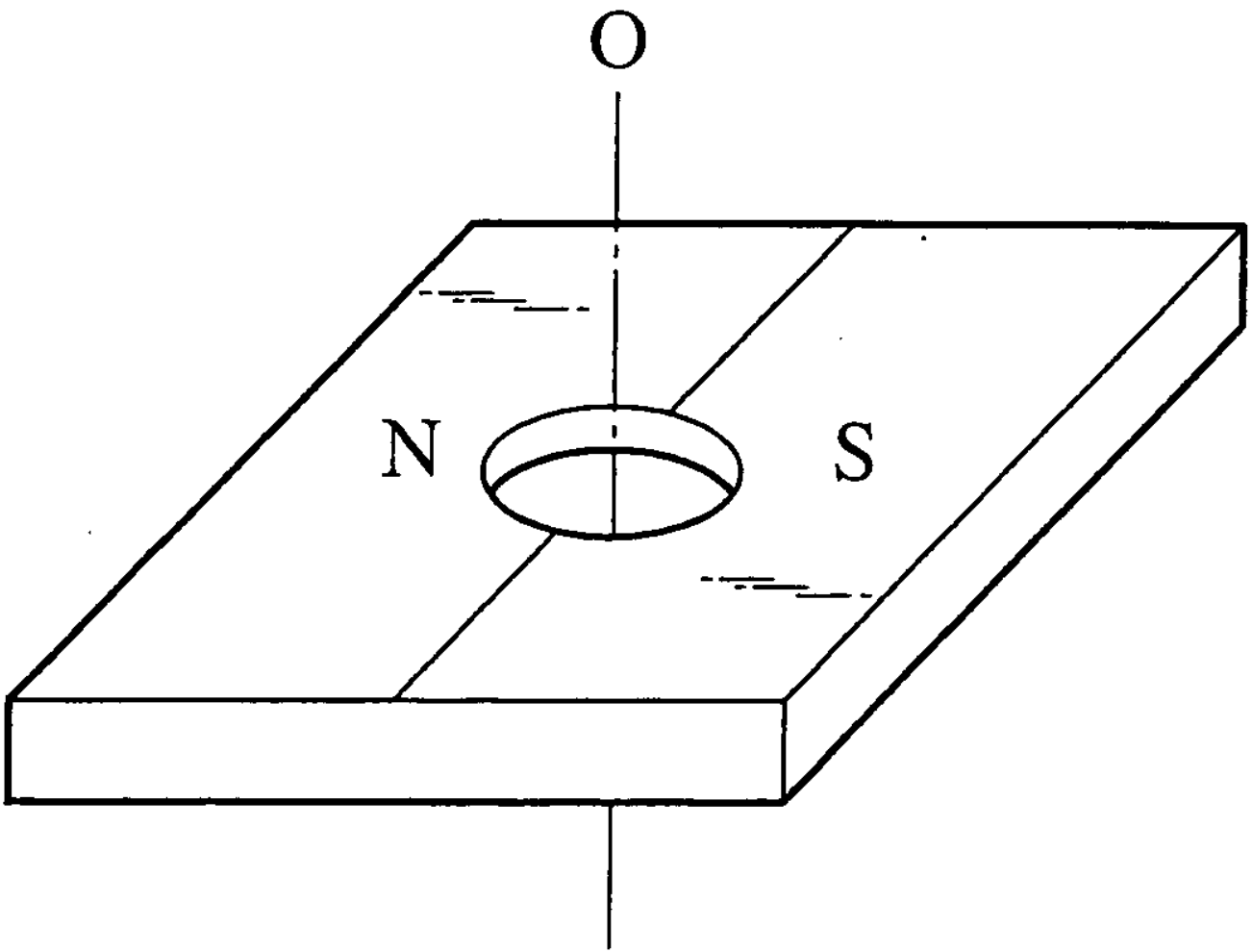
3a



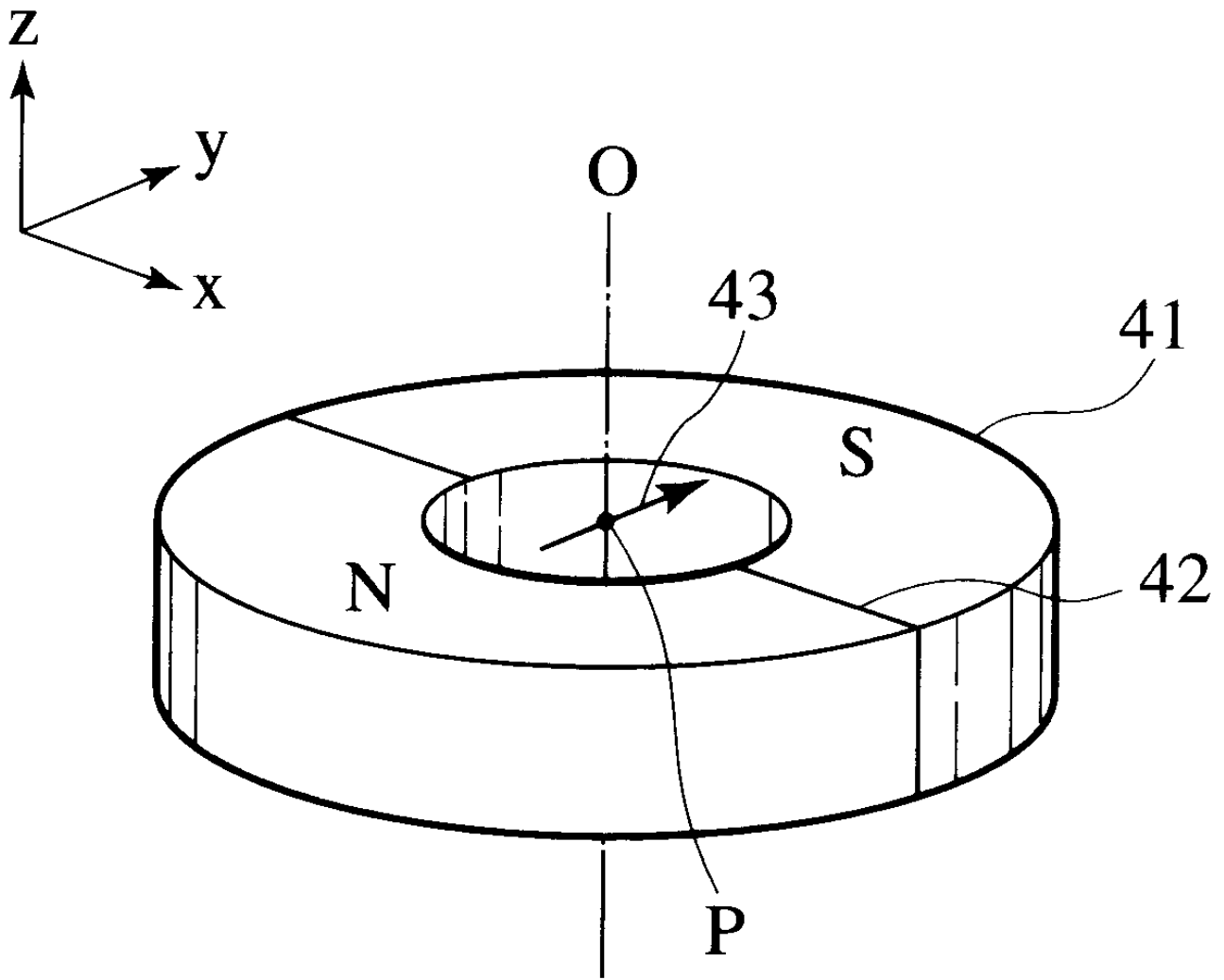
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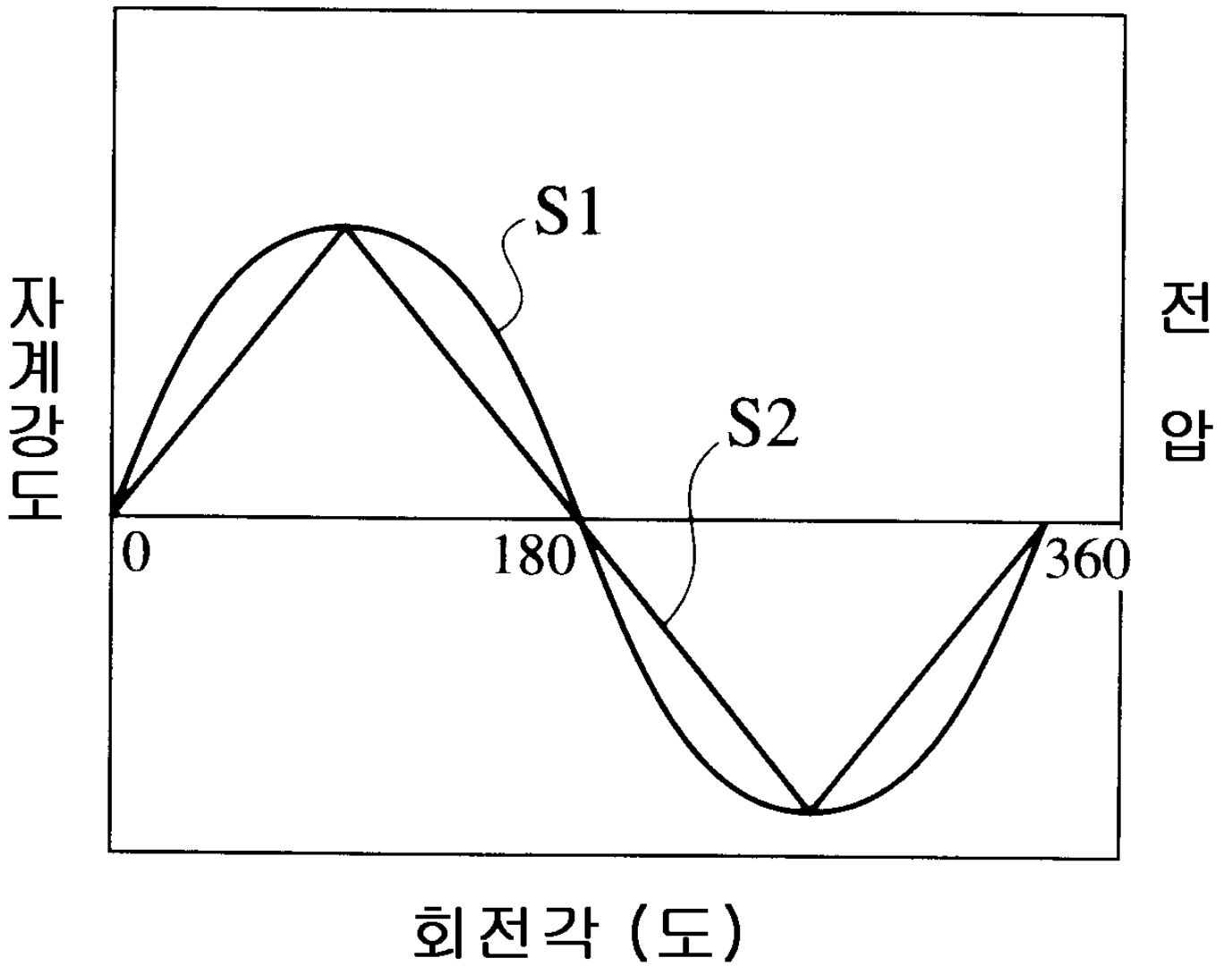


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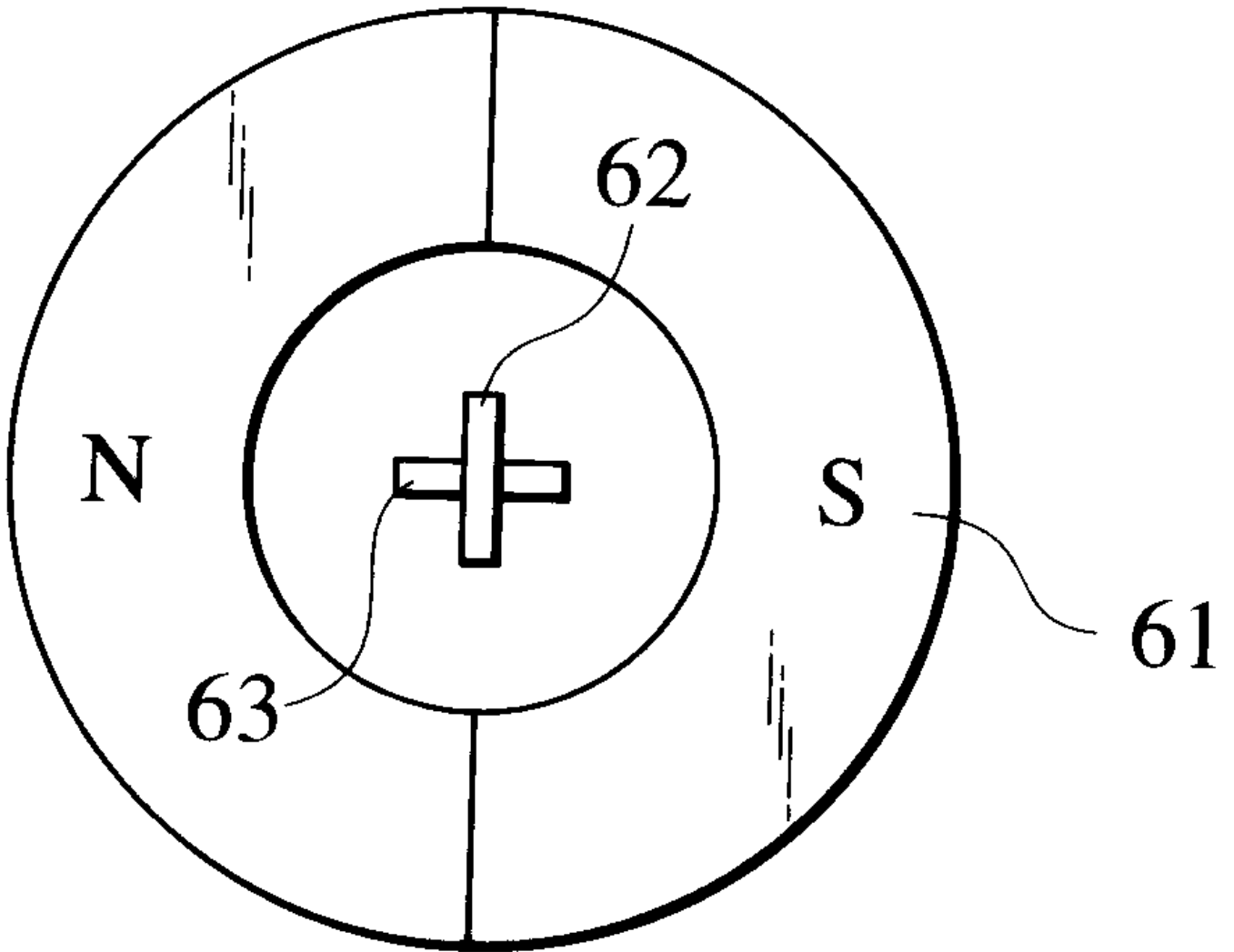


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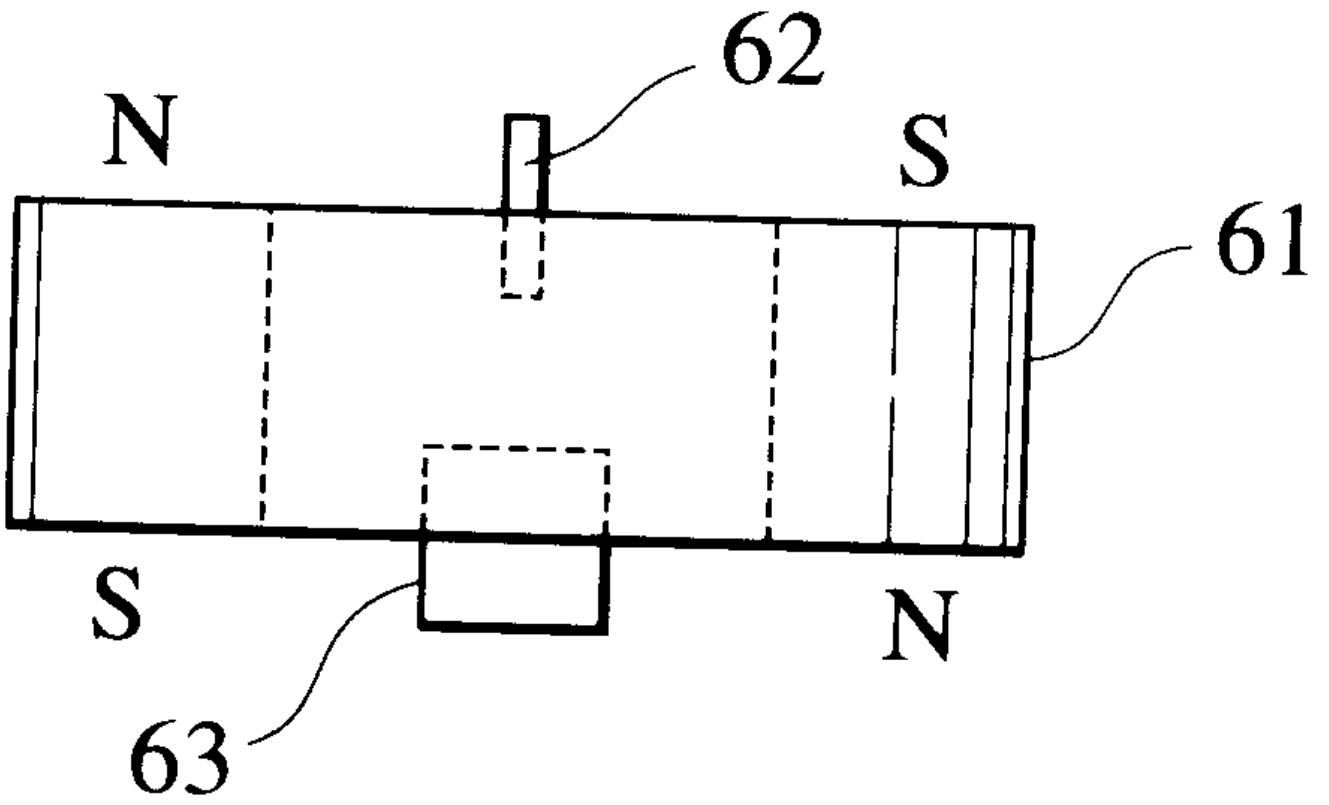


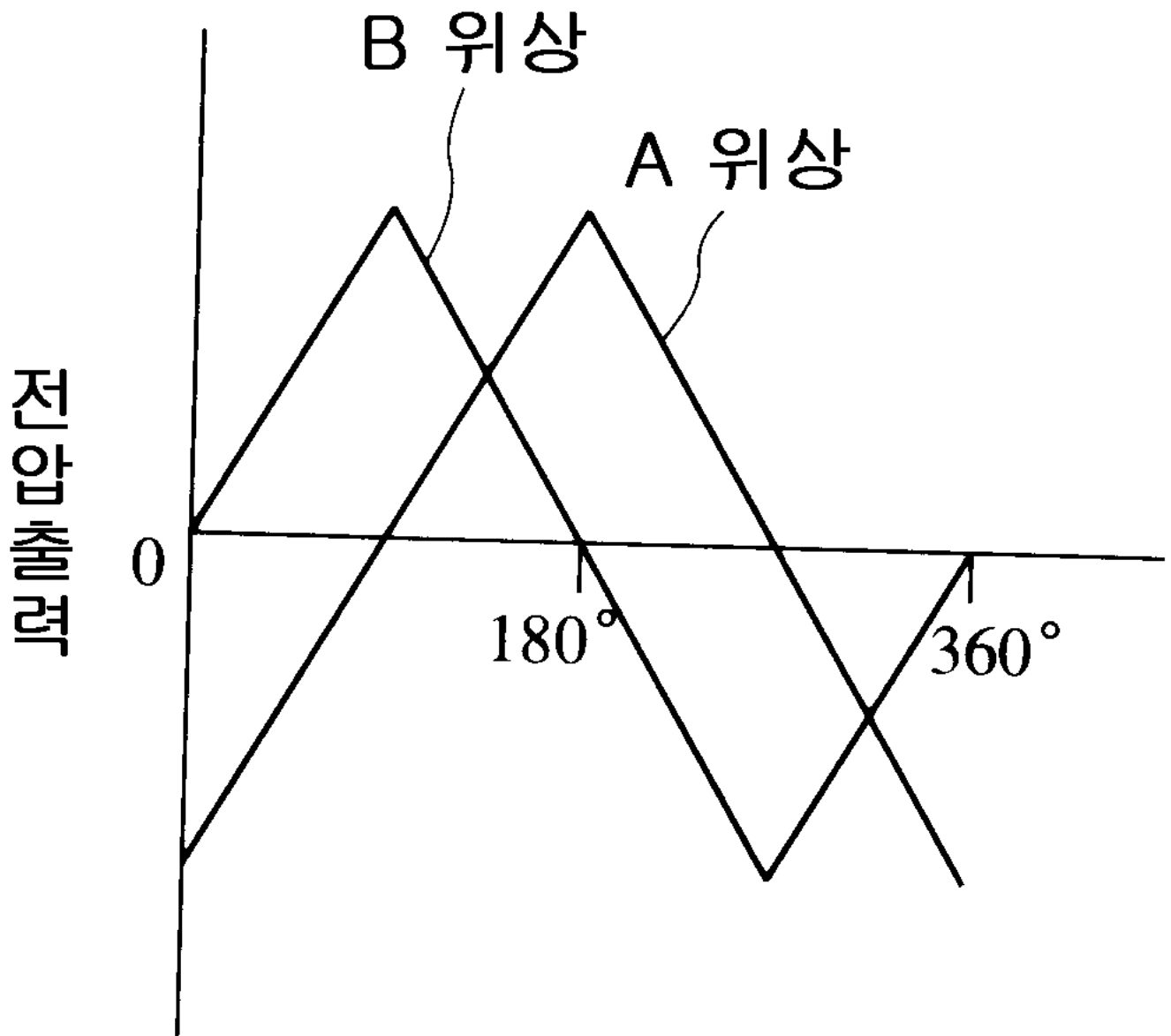


7a

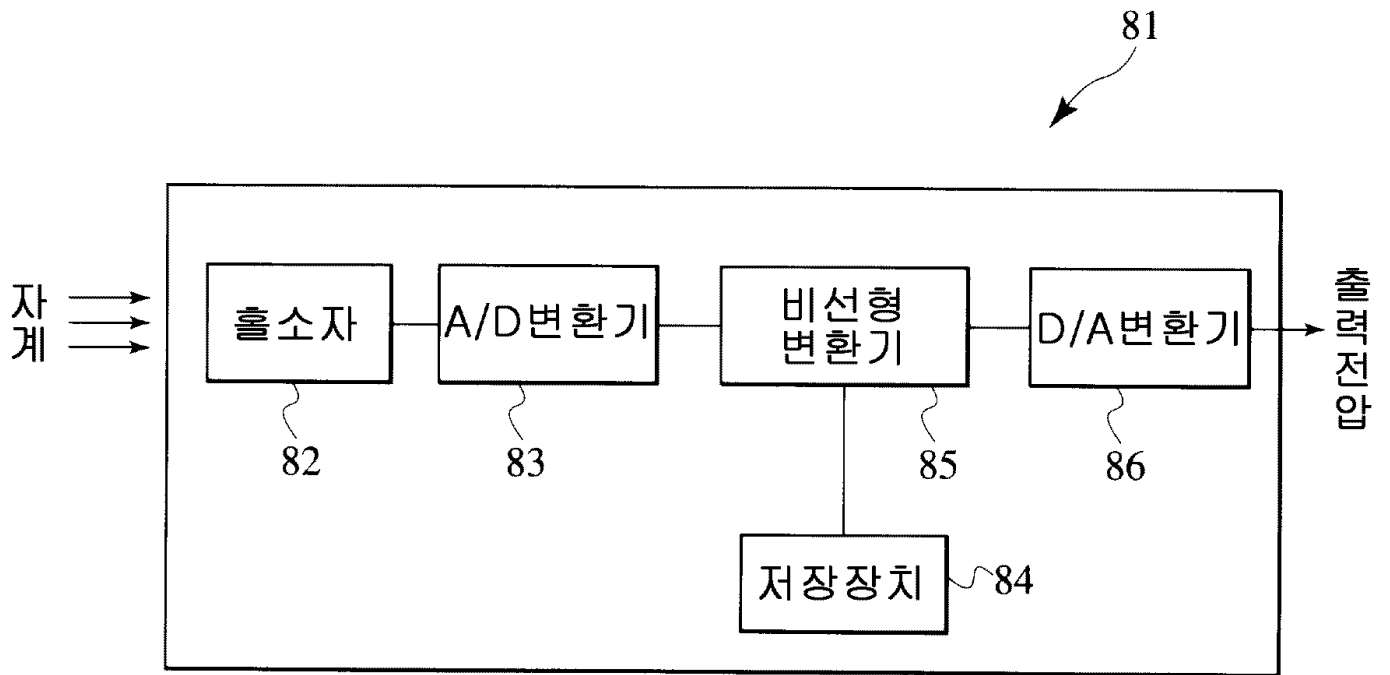


7b





9



10

