

1

[]

[]

1 , 가 .

2 , .

3 , .

4 , .

5 , .

6 , .

7 , X .

8 , .

9 , .

10 , .

11 , .

12 a~ 12 f , , .

13 , .

< >

2 : 8 :

10 : 11 :

12 : 14 :

12a,14a,16a : 20 :

20a : 22 :

24 : 26 :

107 : 108 :

140 : 142 :

144 : 146,148 :

150 : 160 : 가

165 : 170 :

180 : CR :

W : G1 ~ G5 :

EXT : COT :

DEV : COL :

AD: ALIM :

PREBAKE : POBAKE :

EXTCOL : • BR :

DR : 1 :

2 : J₁ :

J₂ : R₁ :

[]

가 ,

,

.

,

,

가

. 1

,

,

가

가

.

13 (J₁)가 (W) (W) (R₁) (1) (2) (2) (2) (W) (20) 가
 (22) , Y Z 가 , , 가 , (2
 () (CR) , (2
 2) , 3 (ALIM) (EXT)

1 (24) 5 (12) (G1),(G2),(G3),(G4),(G5)가 (24)가
 (G1),(G2),(G3),(G4),(G5) 2 , 1
 2 (G1),(G2) 3 , 3
 (G3) (10) , 4 (G4) (14)
 1 , 5 (G5)

2 (8) (W) , 1 (G1) (COT) (DEV) ,
 , (46) (50)가 /
 , 가

4 (COT), (DEV) (24)
 (DR)가 (DR)
 (24) 가 , ()가
 (W)

(CR) (W) 1 (22)
 (ALIM) (W) (24) (AD)
 (W) (W) (24)
 (COL) , (W) (COT), (PREBAK
 E), (EXTCOL), , (144) (142)

(142) 1 (146),(148) (146) (150)
 (150) , (140) (70) X
 (70) , (8) () (8) ()

10 (70) () (82) (82)
 (80) 1 (80) 6mm , 1.8mm
 () (82) , 6 42mm , 8 60mm , 12
 84mm (80) 1/5 ~ 1/2

(70) 2 가 . 1 (100),(102),(104) (90a),(92a)
 (165) , (2) . 2 (94),(96),(98)
 (90b),(92b) () ,
 (106) (106) (108) (107)
 (108) (80) (2) , (104) ,
 가 (106) (107) (108) , (80) ,
 가 (92a) (165) .

(70) (2) , (90a) (80) (90b) (84)

13 , 6 10 (70) (80) , ()
 2) (80) (W) (1)
 (1) 45 .

8 9 (70) (76) , (76)
 (1) . 1 (80) Y (1)
 . (2) 10° . (1) 5~20°

, 11 , 12 a~ 12 f, 13 .

8 (W) , (W)
 () (DEV) (S1). 12 a ,
 (60) (W) . (70) .

S2). (69) (8) , N₂가 (68a) (65) ()
 , (67) (65) (67) , (69) N₂가 . 가
 . , (67) , (W) (2) . 가 (2)

(60) (W) 1000rpm (S3).

12 b , (70) (69) ,
 (69) (70) (2) 0.5 (S4).

12 c 8 (W) , (2) (70)
 (W) (S5). (70) 60mm~10mm (70)
 , (80) (80) (W) 1/4 . ,
 S9 (70) (2) . (W) S4 2~
 10mm , 2~4mm .

1 3 (W) (1) (2) , (2)
 (J₁)가 (W) (R₁) , (2) (W)
 . (2) (W)

(W) (R₁) (J₂) (2) (2) ()
 (2) (1) 90° 가 (2) (2)
 가 (1) 가 30rpm 30~60° , 45° (2)
 , 15 ~ 45° (1) 가 30 rpm 45°
 9 가 (80) (70)
 (S6).
 가 (80) (70)
 (W) (2) (W) (70) 1 (W) (70)
 (2) (W) (W)
 S7). (60) 1000rpm 100rpm (W) ()
 , (60) 100rpm 30rpm (S8). 1
 1.5 . 2 (W) 2 1000rpm S6 S8
 (2) (W) (2) 30rpm
 1 2 d , 30rpm (W) (2) (W)
 (W) (2) (W) (2) (S9). 5 (W)
 12 e (70) (2) (S10), (70)
 (70) (S11). 12 f (W) (W)
 30rpm 1000rpm (180) (180) (S12). (W)
 (180) (W) (W) (4)
 (2) (W) (S13).
 (65) 가 (S14). (69)
 (W) (DEV) ()
 S15). S1 S15 1 15 .
 (70) (W) (70)
 (70) (2) (2)
 (W) (2)

(R₁) (1) (W) (J₁)가 (W)
가

(67) 가 (60)

(57)

1.

가

가

가

2.

1 30° ~ 60°

3.

1 15° ~ 45°

4.

X 1 , Y 가

5.

4 10° ± 5°

6.

1 가

15.

14 , (b) (c) 2~10mm

16.

14 , (b)

17.

14 , , 30 ° ~60 °

18.

14 , , 15 ° ~45 °

19.

14 , , 가 , , .

20.

19 , 가 .

21.

14 , (c) 3

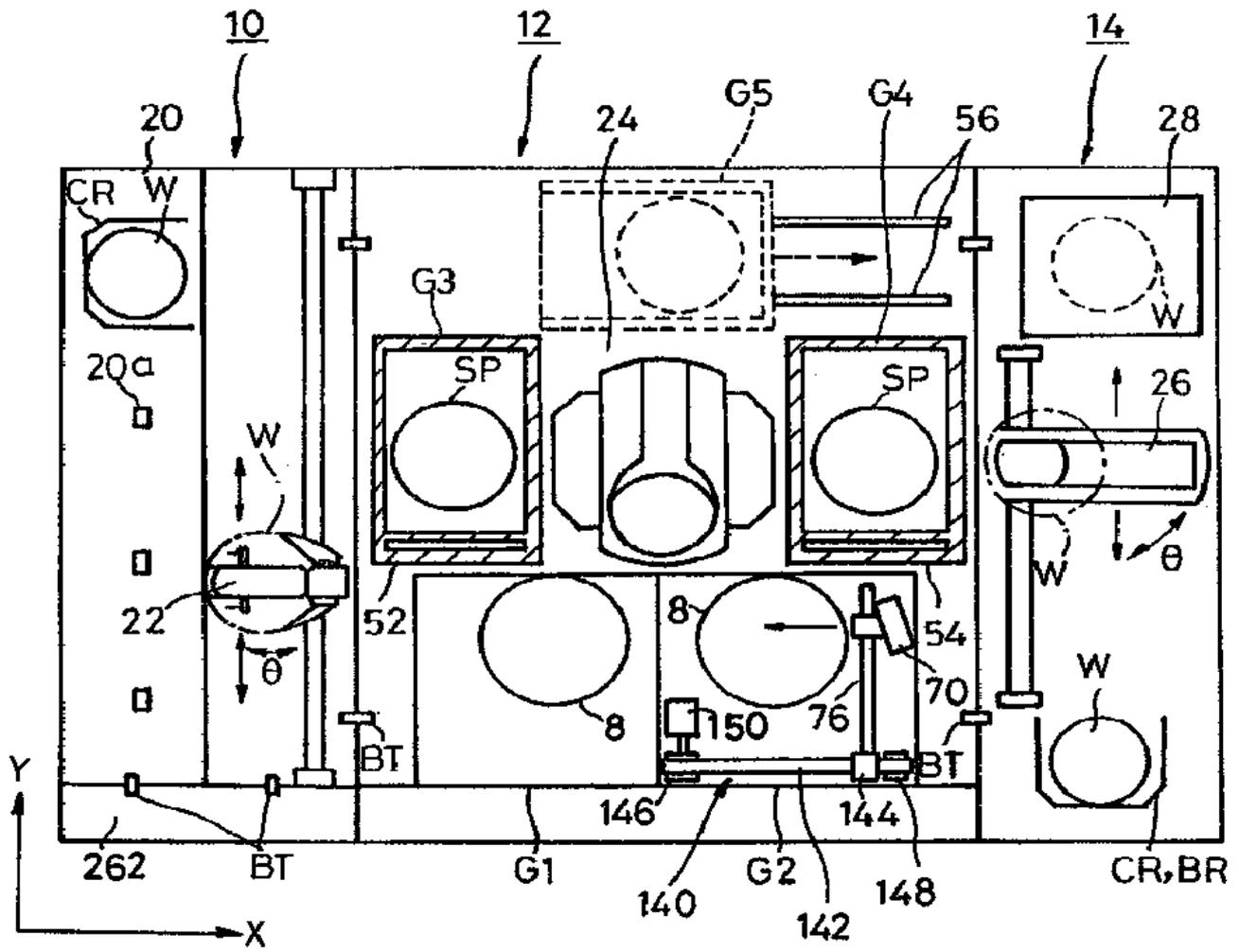
22.

14 , 1 4 1000 ± 2 rpm, 2 100 ± 0.5 rpm, 3
30 ± 0.5 rpm, 4 1000 ± 2 rpm .

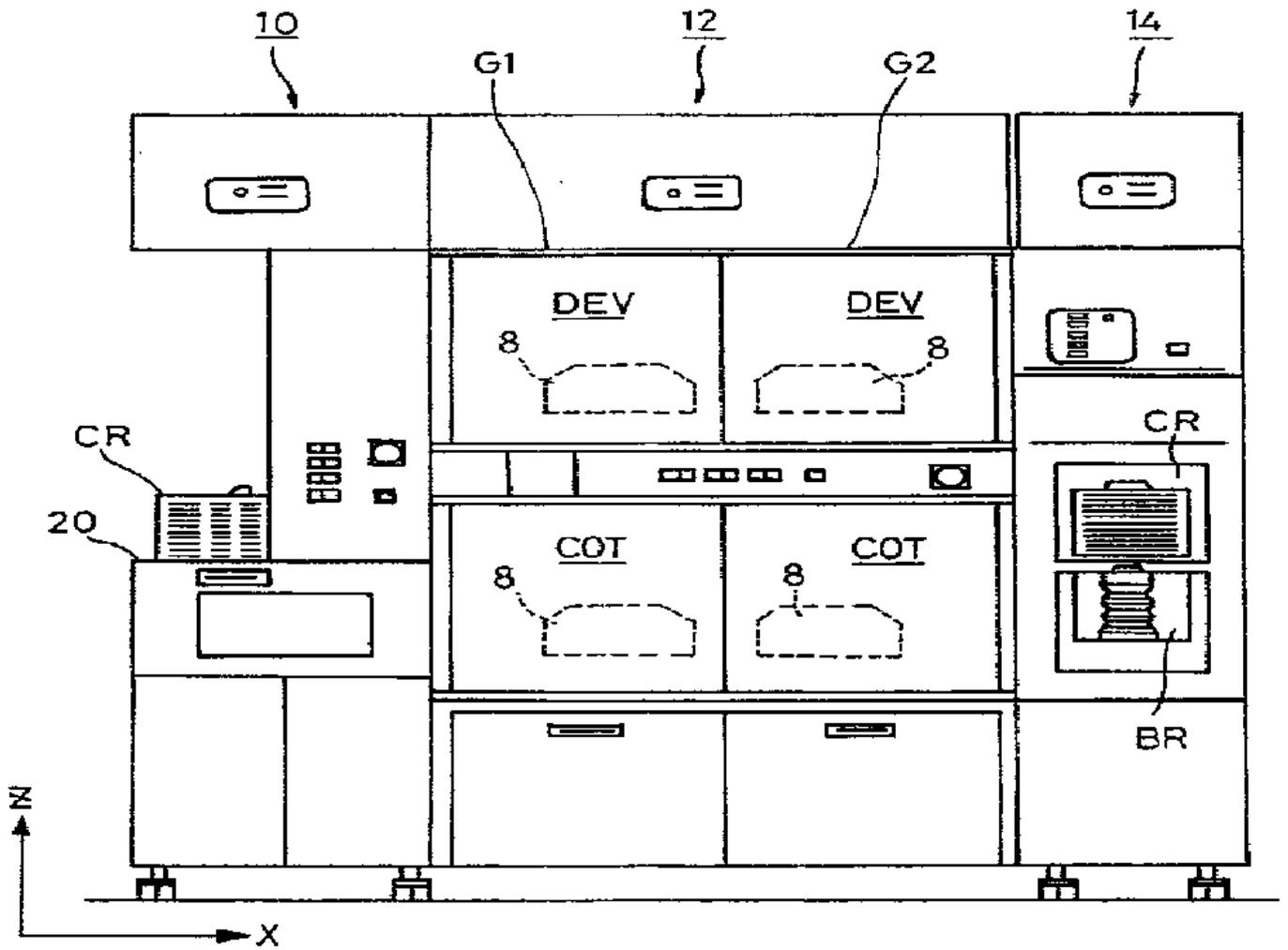
23.

14 , (b)

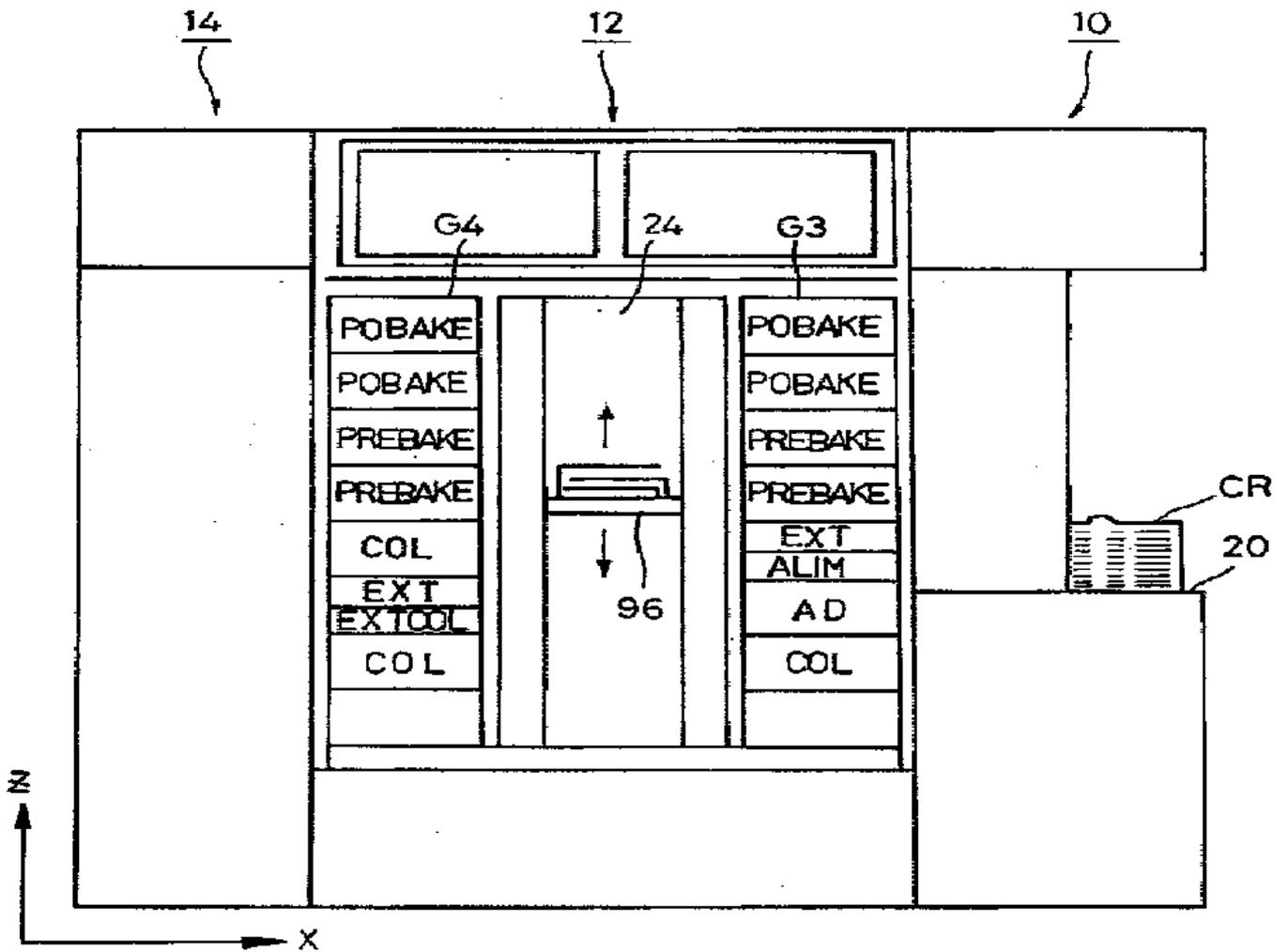
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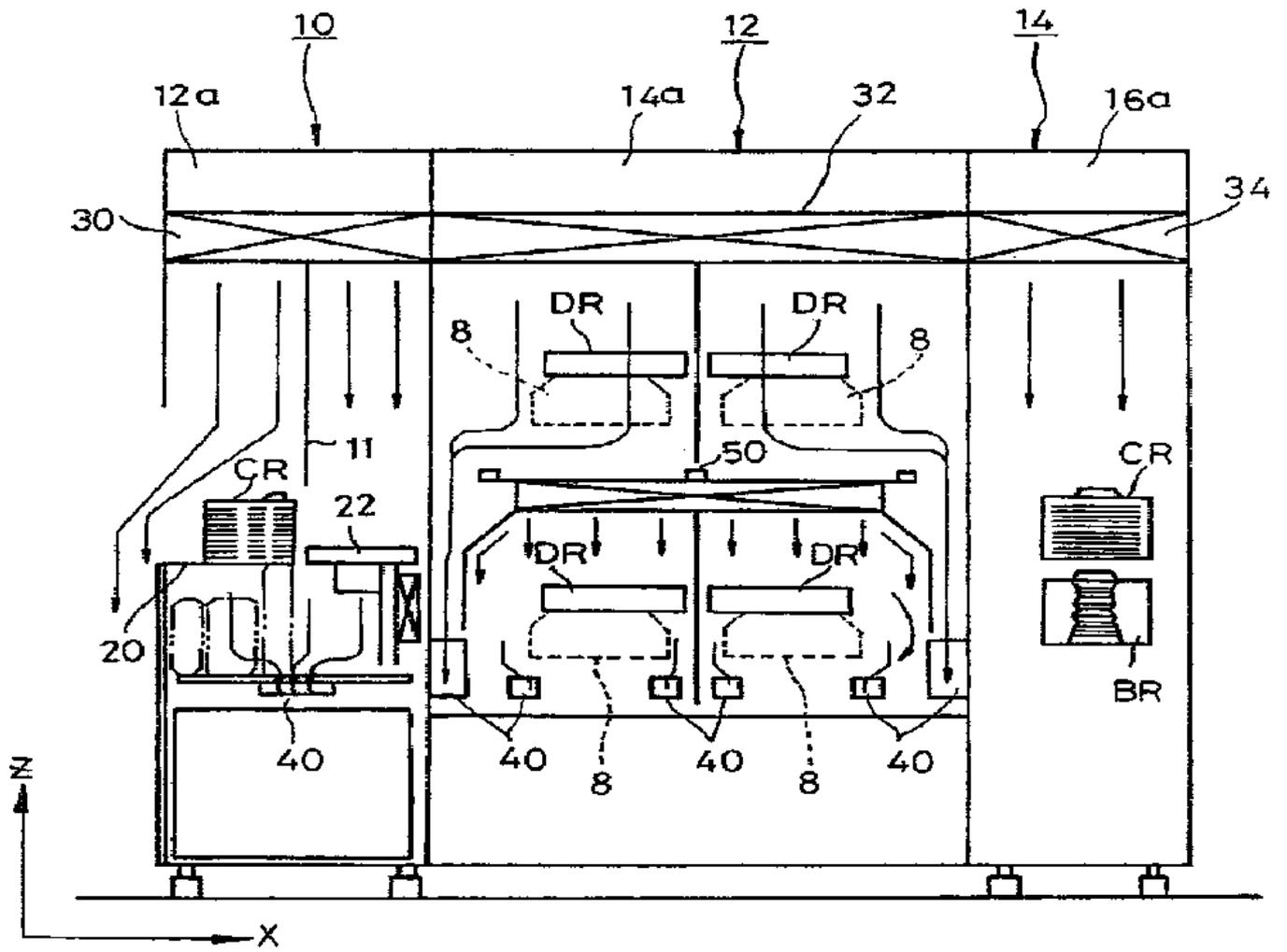
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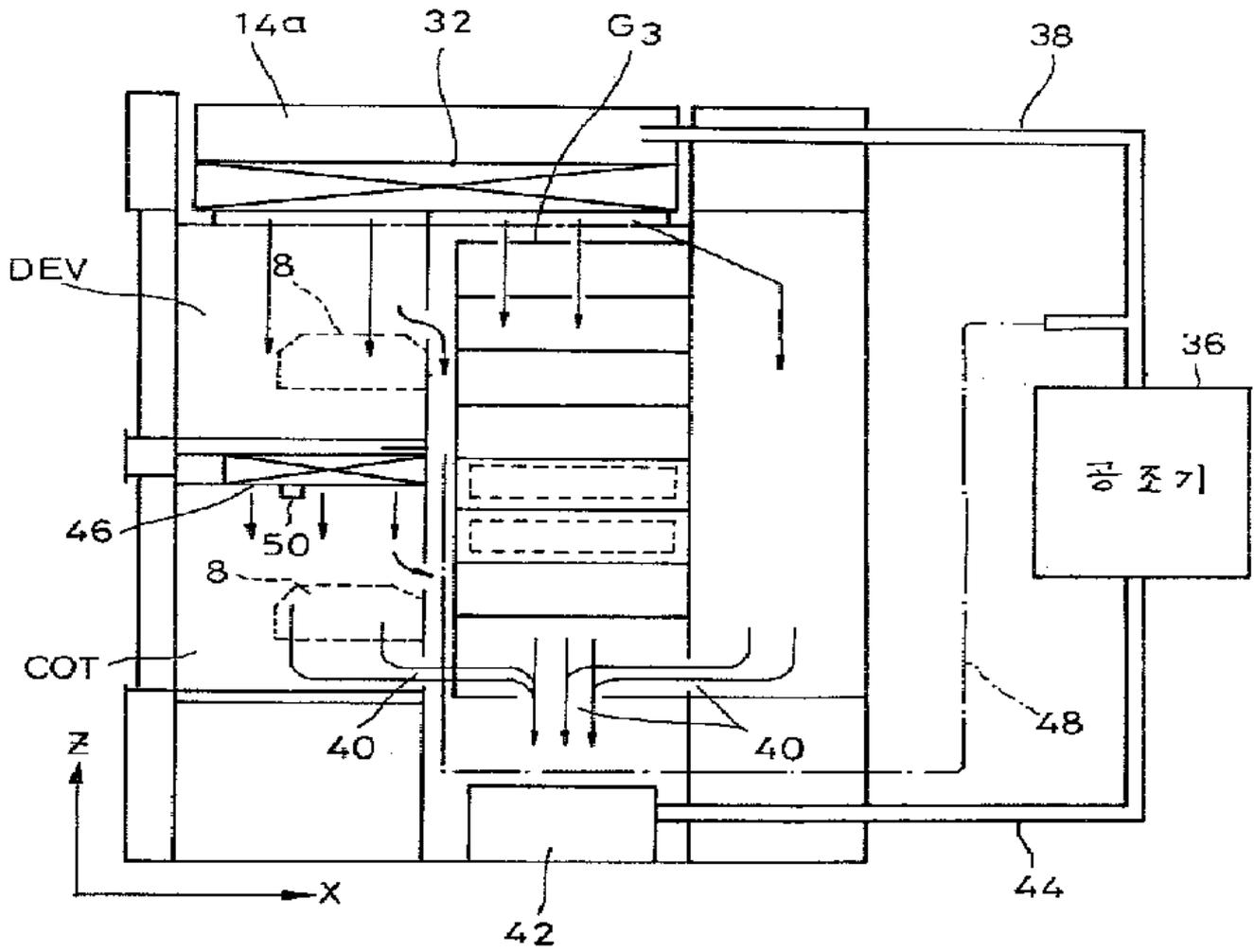
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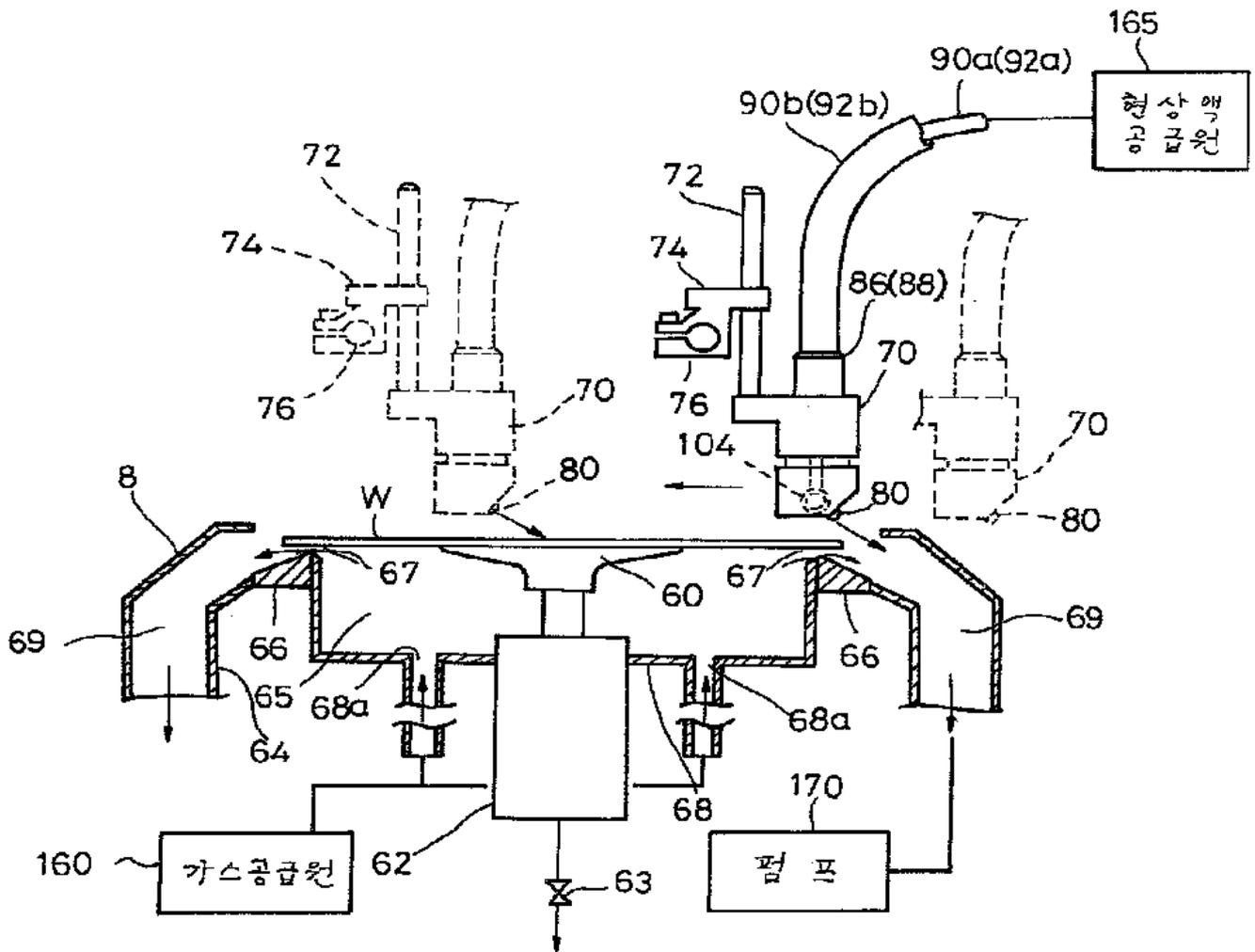
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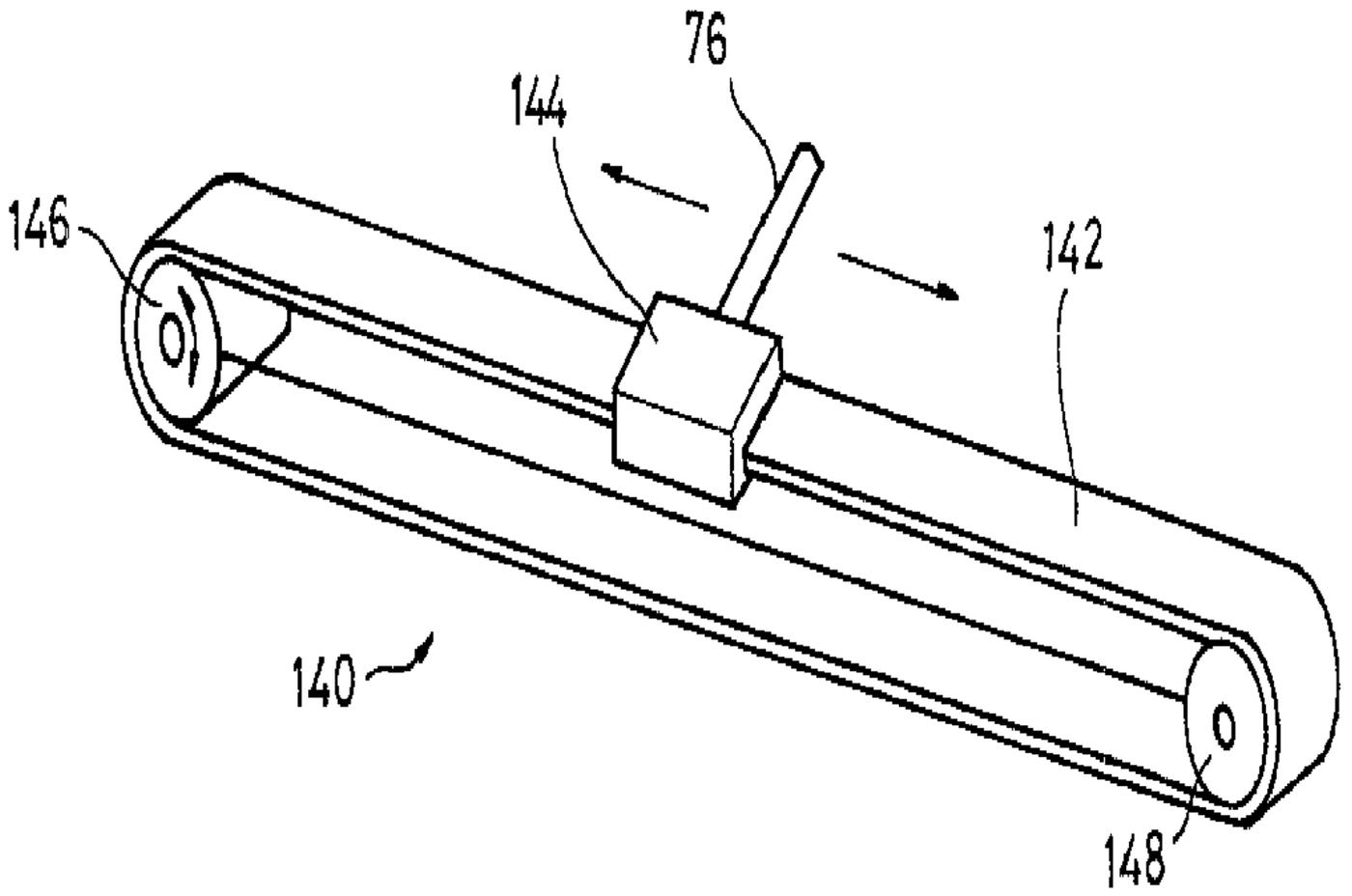
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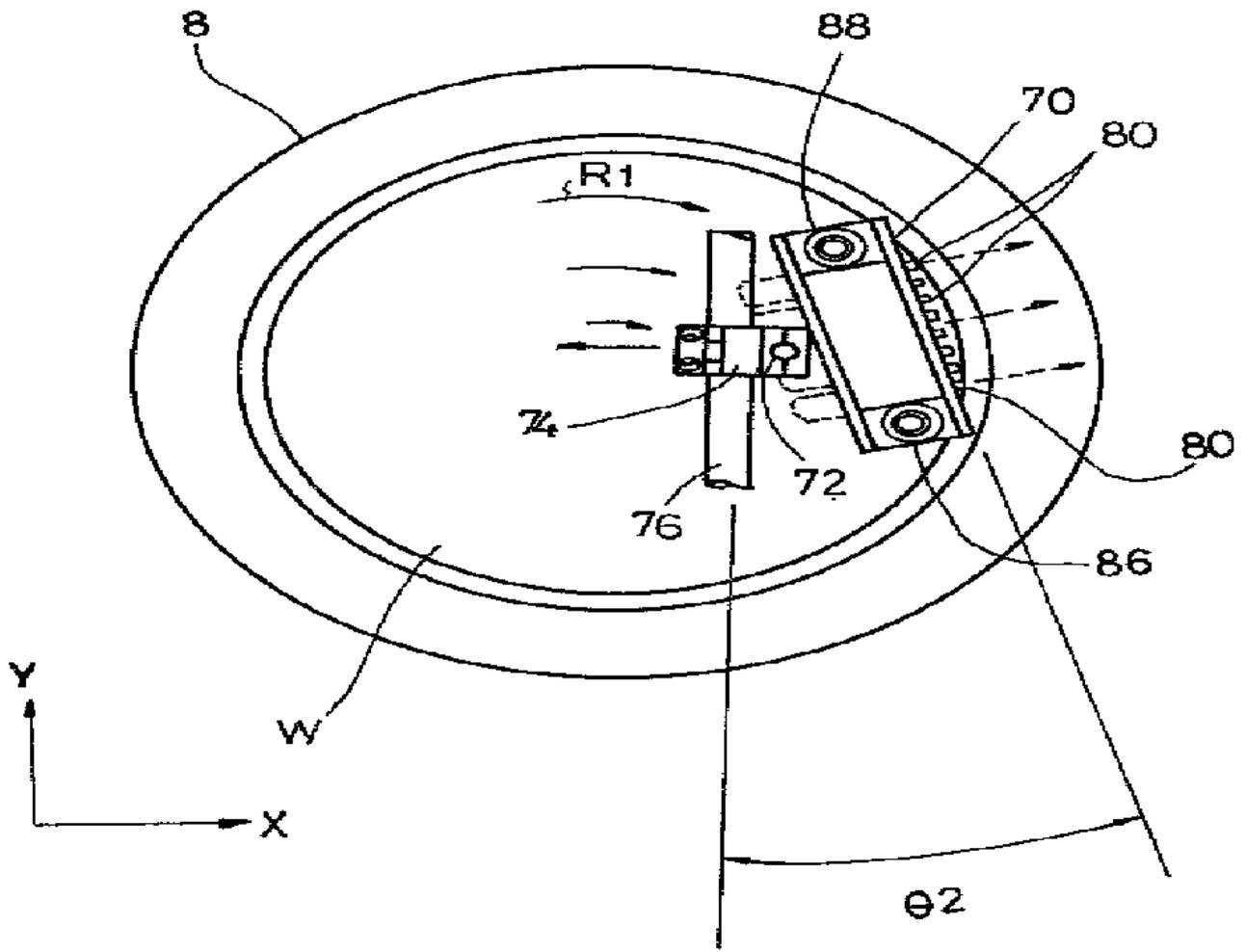
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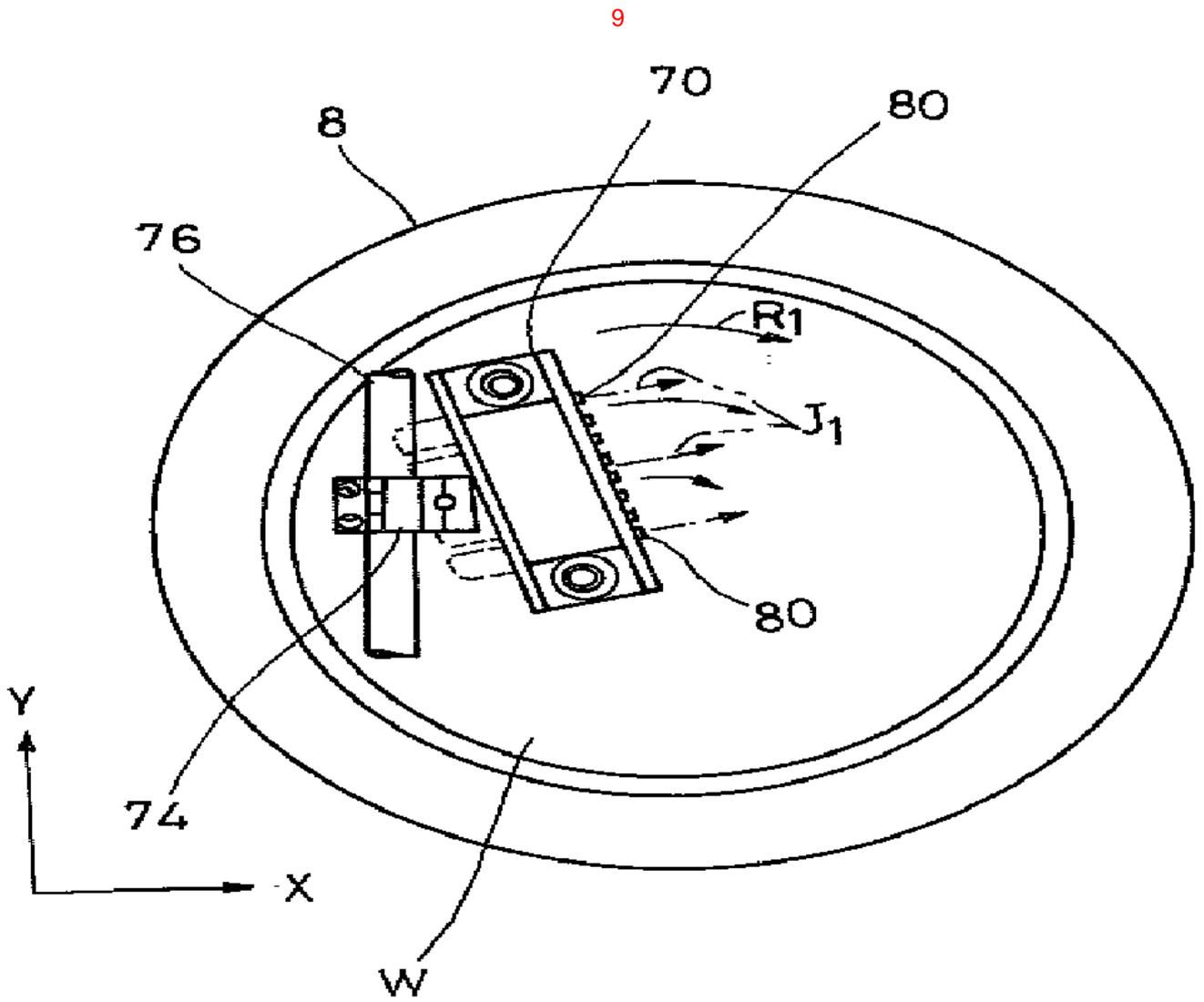


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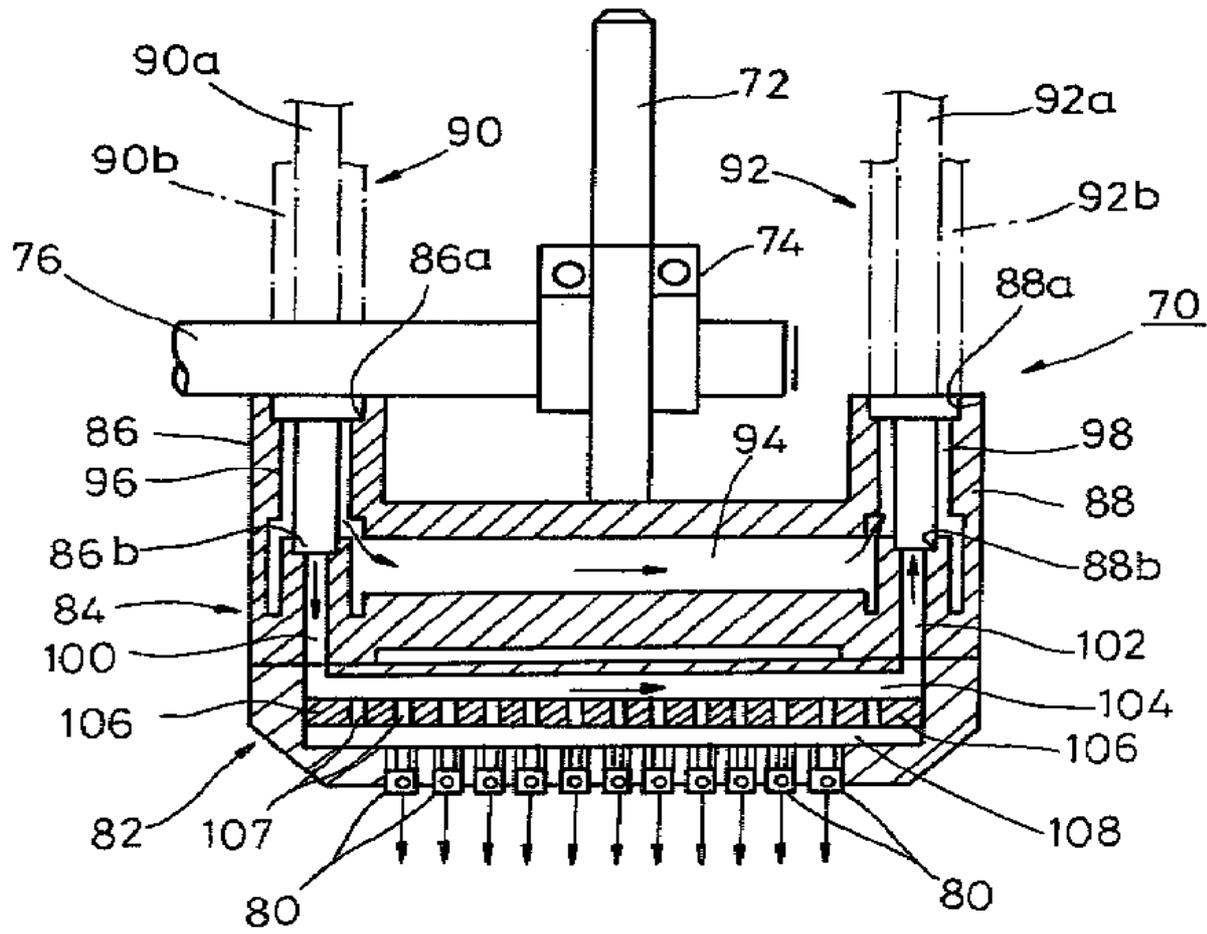


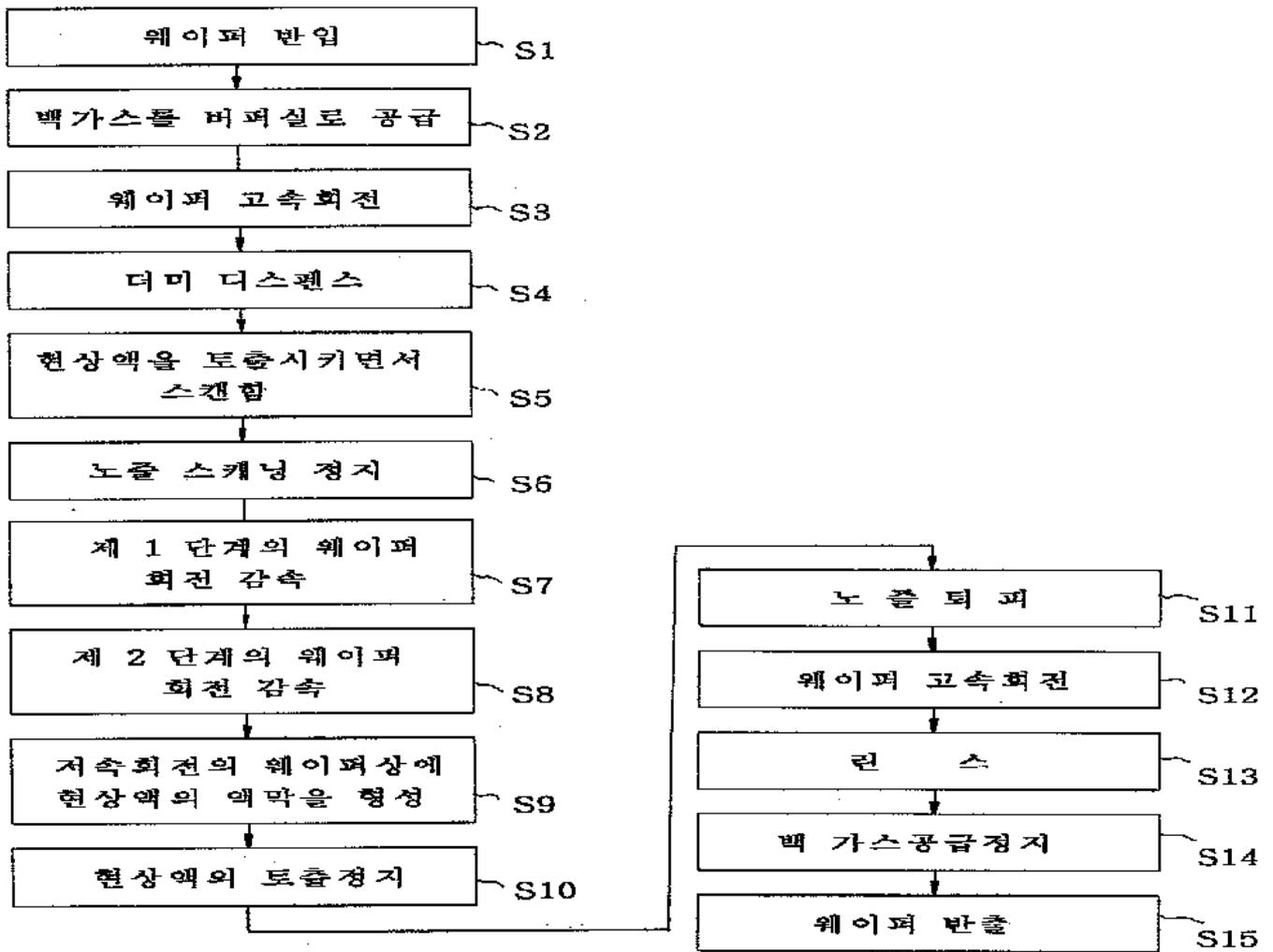
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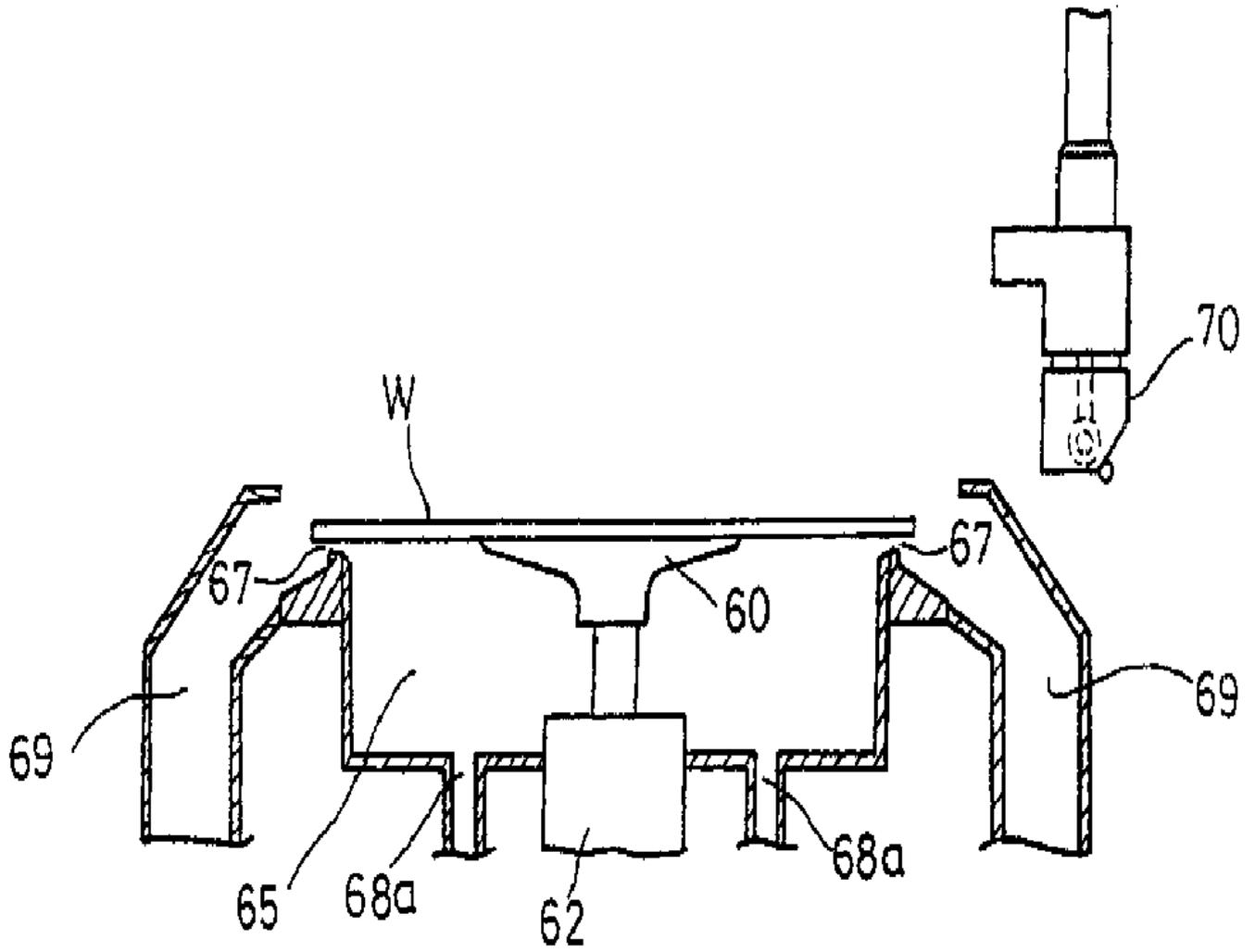


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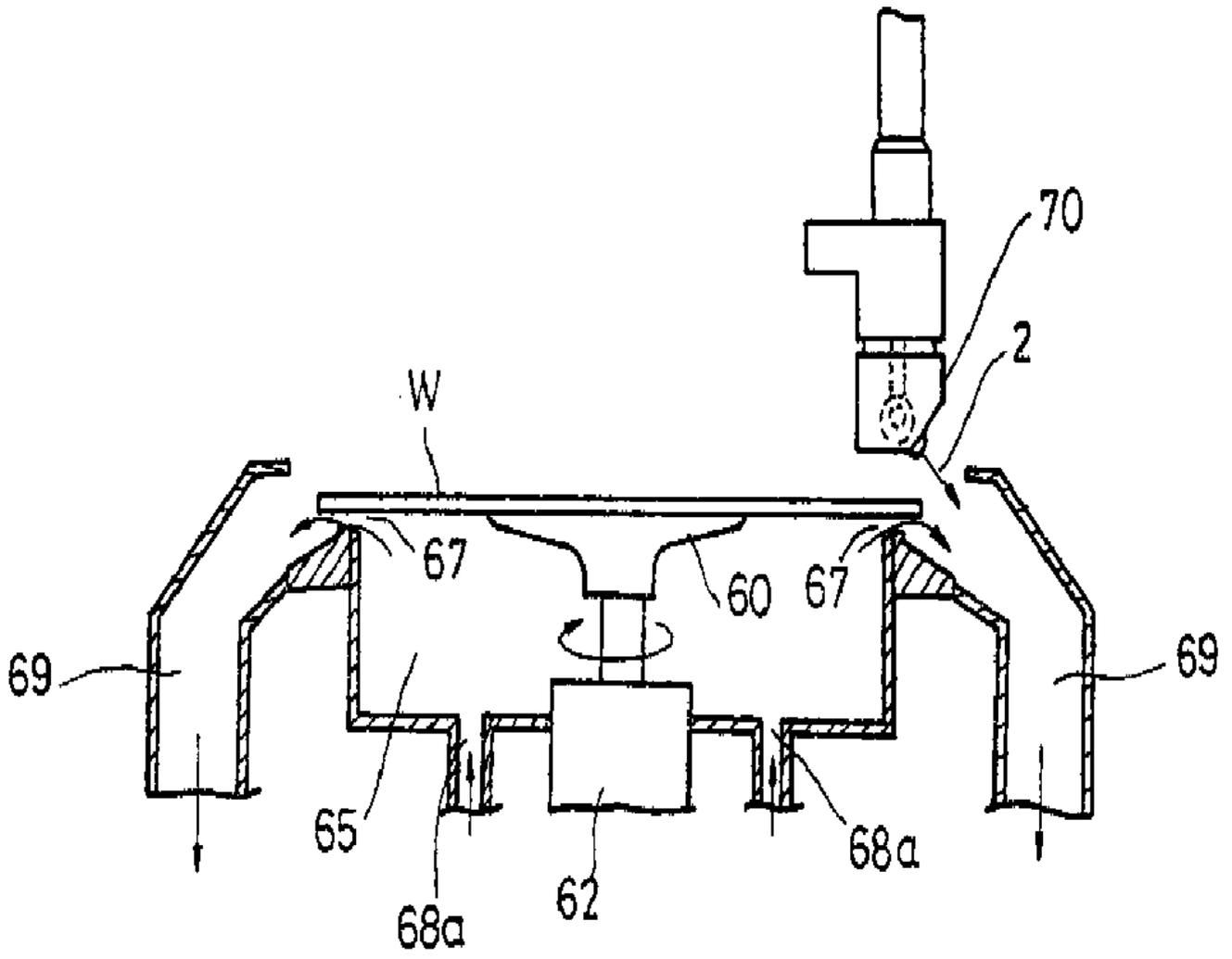




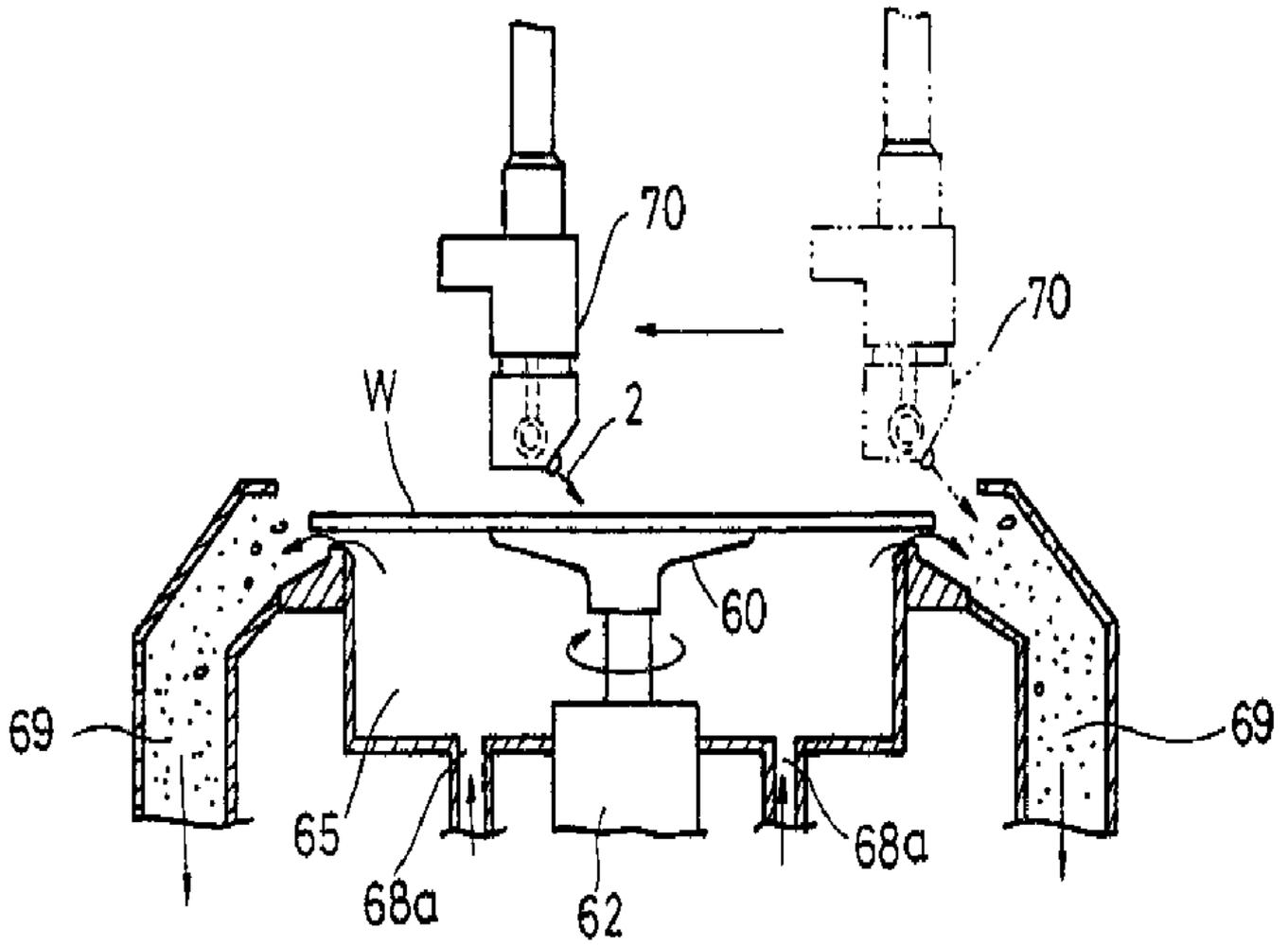
12a



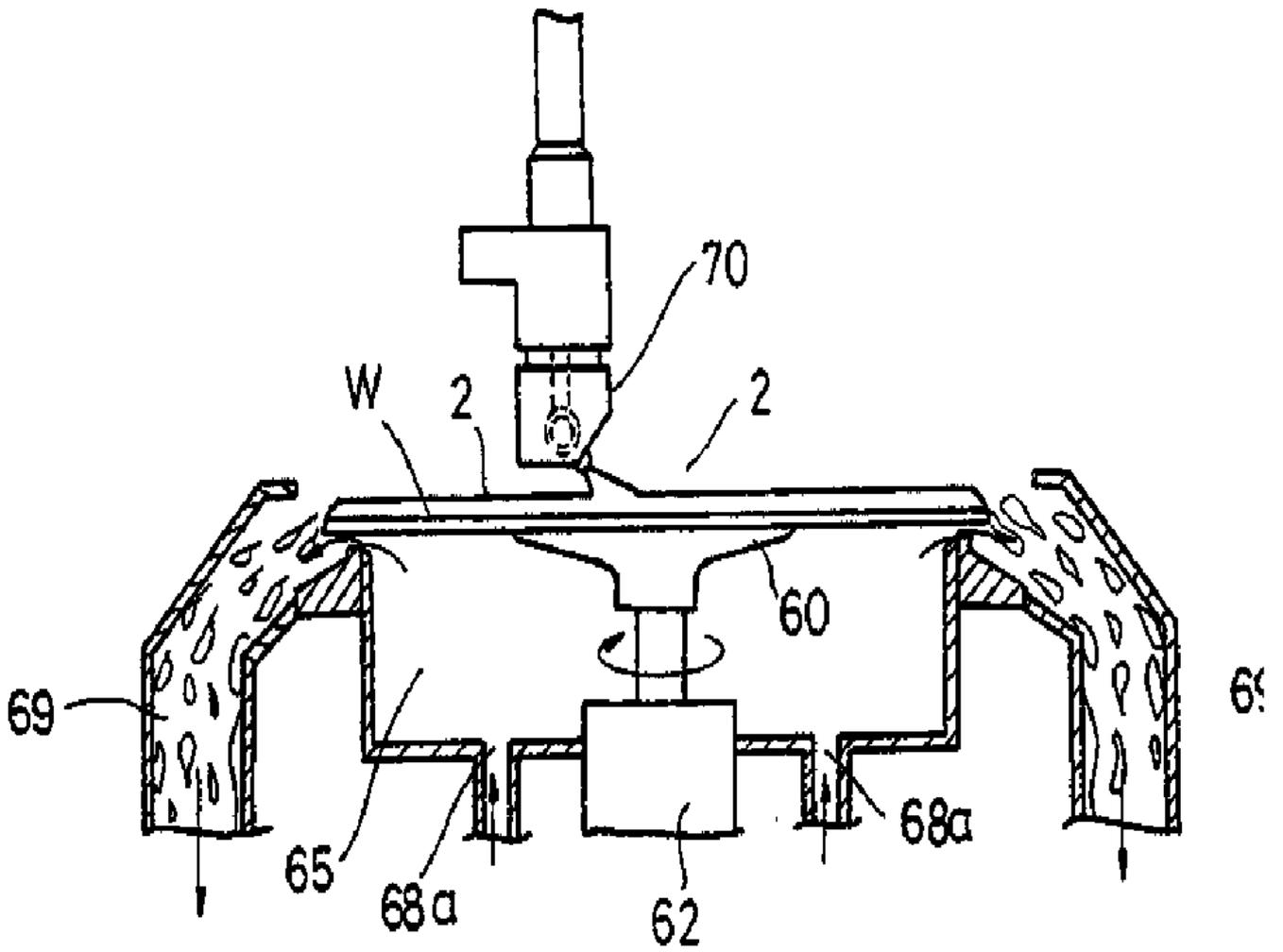
12b



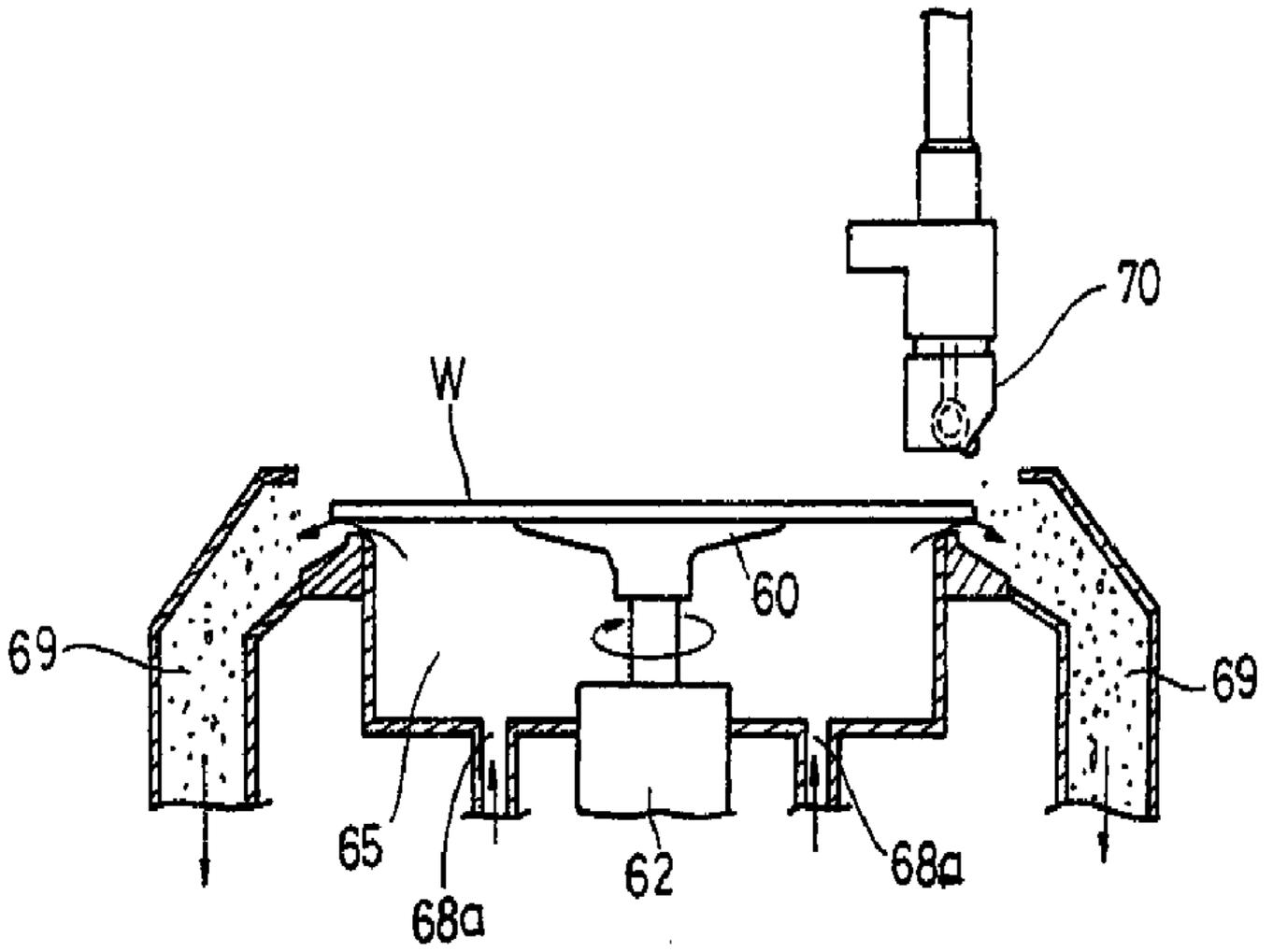
12c



12d



12e



12f

