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 (24) 2001 10 31

(21)	10 - 1999 - 0025867	(65)	0000 - 0000000
(22)	1999 06 30	(43)	0000 00 00
(62)	1996 - 0009937		
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(30) 416,558 1995 04 04 (US)

(73) 가 가

3 2 3

(72) 95070 가 24100

(74)

1

(54)

1 가

2 가 ,

3a 3b 2

4 가

5 4

6a 6b

* * *

10 : 14 :

24 : 26 :
28 : (chuck plate) 32 :

36 · 40 ·

44 ·

46 · 가

50 : 52 :

60 : 64 : 기

68 : 70 :

80 :

90

92 ·

), , (,) , . , , , 가 (X - Y
, 가 .

가, 1, 2, 3, 4, 1, 2, 가,

1 2 가 3 4

1 , 1 , 2 가 , 3 4 1 .

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3 , 1 2

가

, 1 2 가 3 4

2

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, 가 (hinge) 가 , 4
가, 가 , 4

X

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4 (4 ((, ,)) , , , 4
가 () , 'X' , 4
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가

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v

6 \times 6

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(Y)

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가

가 , . , (Z)

, X - Y

가 4
(,)가

1994 4 1

가 80/221,375

가

(10) (10) (14A, 14B) (16A, 16B) 4
(16A) 2 (10) (10) 가 (22) (92) (1 1).

(24) (10) (24) (28) (30) (26)
(24) (24) (24) (24) (30) (30)
가 (30)

(10) (32) (32) (10) 4
(32) (32) (10) , (10) ,
3 (36A, 36B, 36C)

/ (10) (32) 가 (32) (10) 1 3
(36A, 36B, 36C) (,) /

, 가 (46A, 46B) , 가 (64A, 64B) X
(1) . (가 (46A, 64A 46B, 64B) , , L (50A,
50B) 가 , 가 .) 2 (40A) , (40A) ,
50B) (46A) , 가 , (52A, 52B) , (40B)
, (40B) , 가 (46B) .
(50A, 50B, 52A, 52B) (36A) .

가 (46A, 46B) 64A, 64B) X
(40A) (60A) (60A) 가 (64A) ()
) (62A) (62B) (40B) (60B),
가 (64B) (62B)
No. LM - 310 (62A, 62B), ,
,

가 , (10) (10) (68A, 68B) , 1
 Ƴ . (68A) , (40C) (70A) . (68B) , (40D) (70B) . ()

(72A, 72B 72C) , 1 (72A) (40A)
(40A) 가 가 (64A)
(72A) , 2 가 (72B, 72C) ,
(Z X - Y) Z 가 , (72A) ,
(40A) 가 (64A) , (gimbal: 가)
,

(72A) (72B, 72C) . 가 , 가 (76A) , 가 (64A, 64B)
(10) (76B, 76C) . 가 , (10) (40B, 40D)
(10) . , 76A 1 ,

72B, 72C 76A, 76B, 76C), (), 가 . (72A,

1 (80) , 가 가 (46A, 46B, 64A, 64B) (40A, 40B, 40C,
40D) ,
(32) , (80)
() ,
, No. 08/221,375 1, 1B, 1C
,
, (92)

2 , 1 2 - 2 . . 1 2
 , (90) 가 2 , , () (92) , 2
 , . . (92) , ,

(92) (94) , 2 (80) (94) , (96)
, (92) (94) . 2 (22)
(10) , (92A) 가 (40B) , 가 (70B)
. (40D) .

$$3a, \quad 3b \quad \quad \quad 2 \quad \quad \quad . \quad \quad 3a \quad 2 \quad \quad \quad , \quad \quad 3b \quad 2 \\ (76A) \quad \quad \quad (78) \text{ 가} \quad 3b \quad \quad \quad . \quad \quad \quad (78A) \quad \quad \quad (10) \\ , \quad \quad \quad \quad \quad \quad (Z \quad \quad \quad X - Y \quad \quad \quad) \quad Z$$

가 . , (78)
(10) (40C, 40D) (3a)

가 . ,
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4 1 2
1
06B, 106C, 106D) , (94)
100)
C, 102D
) (112A, 112B, 112C)
5 ,

4 1
1
(100)
4
102A, 102B, 102C, 102D)
3 . 102A, 102B, 102
4 4
5 - 5

4 5 , (94)
102A, 102C)
(, 가
(114A, 114B, 114C, 114D)
(100)

4
(116A, 116B, 116C, 116D)
(80)

5 , (120)
,
(124)

5 , (122, 124) 가
가 ,
(,), (126)
(92)

6a (1
(44A, 44B, 44C, 44D)
(가) , , , , 44C

, 1/4 302
(44A, 44B, 44C, 44D)
130B, 130C, 130D) , 6a (6b 90
6a, 6b 40B, 40D) (134) , (136A, 136B, 136C, 136D)
(40B, 40D) , (130A, 130B, 130C, 130D)

6a, 6b (40B, 40D) (40B, 40D)
(130A, 130B, 130C, 130D) 가 , 1

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가
(72C 72B) 1
((10))

(57)

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가 ()

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1 2

12.

11 ,

1 , 2

13.

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2

14.

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15.

1 ,

16.

15

가

17.

15

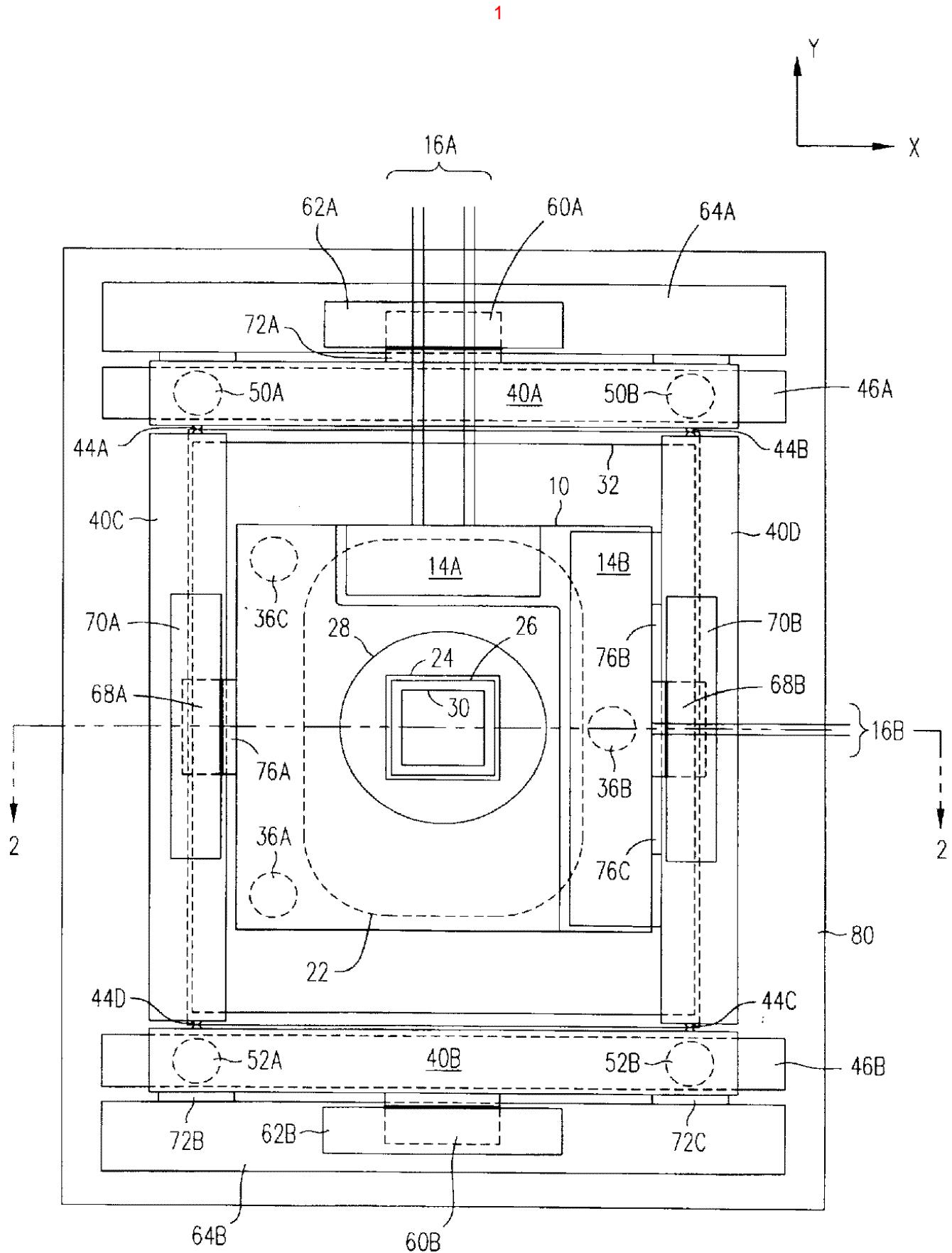
18.

1

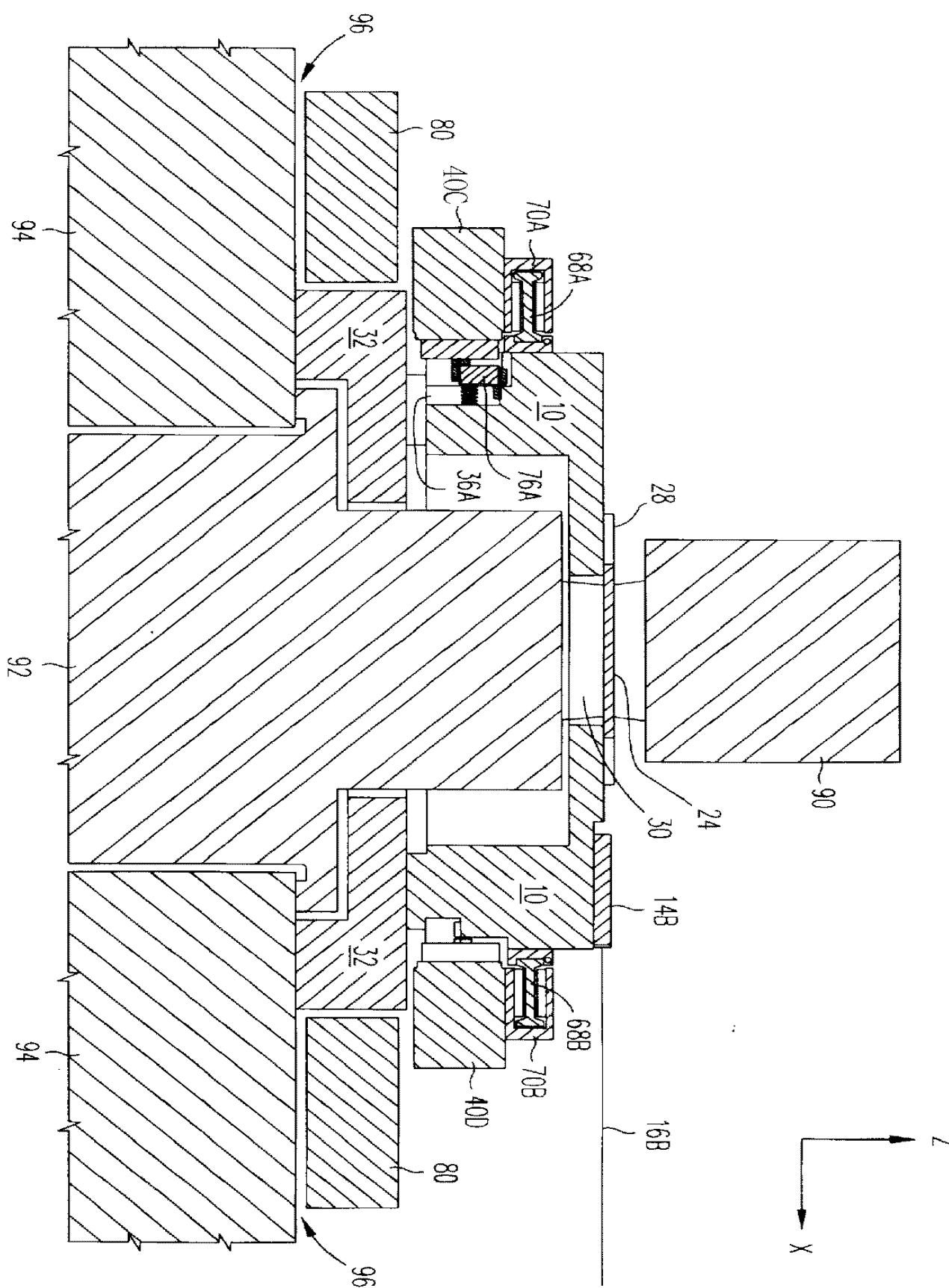
19

1

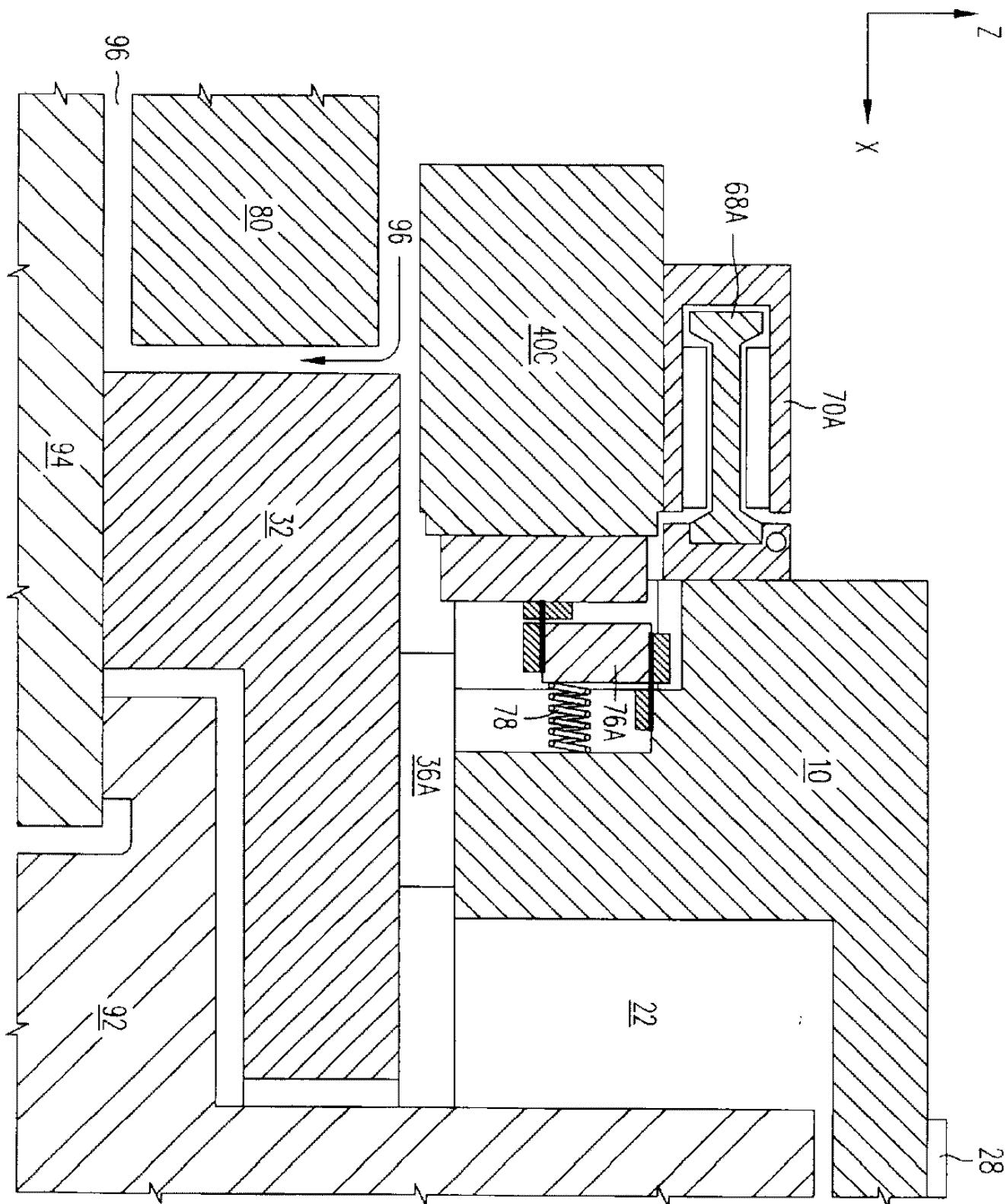
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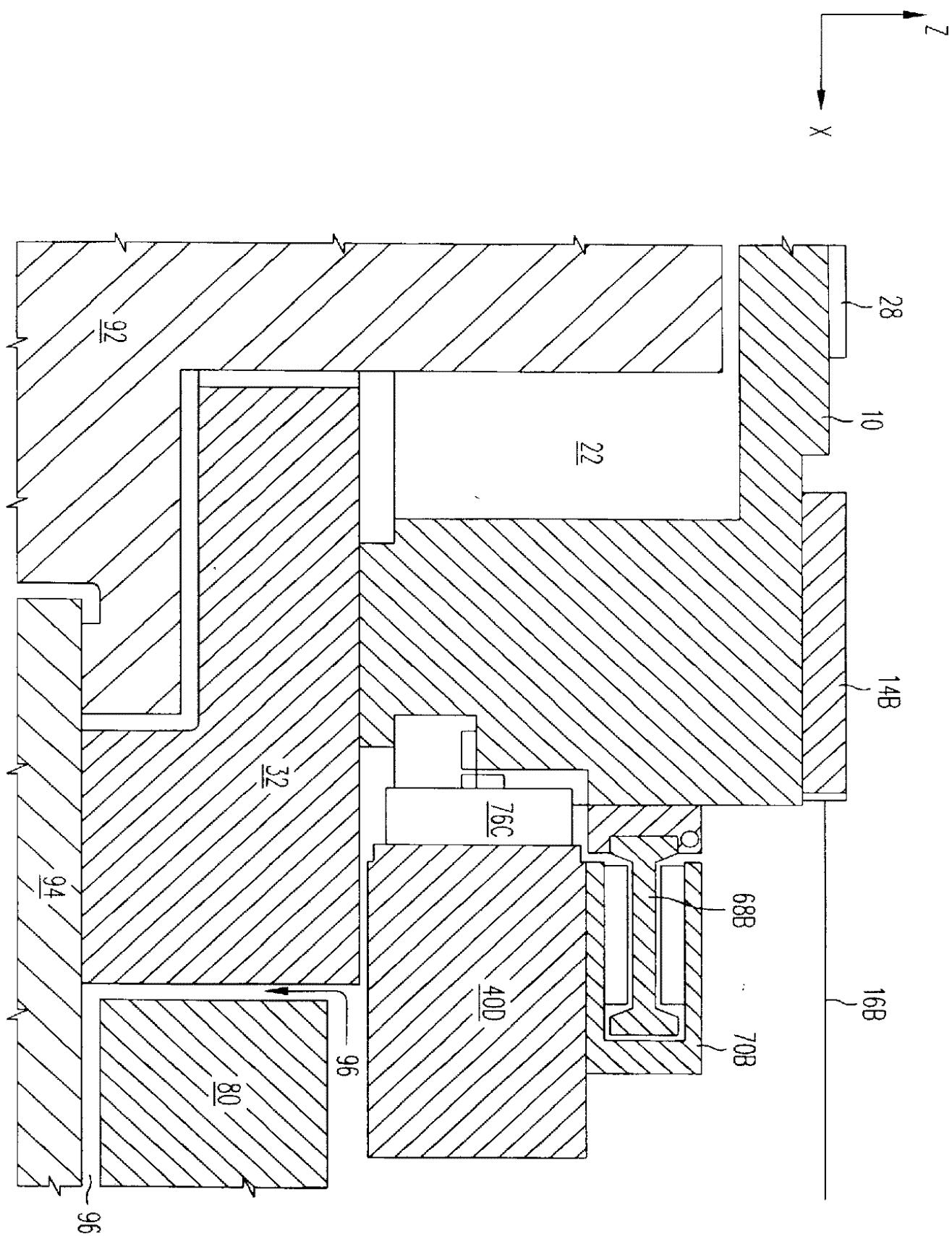
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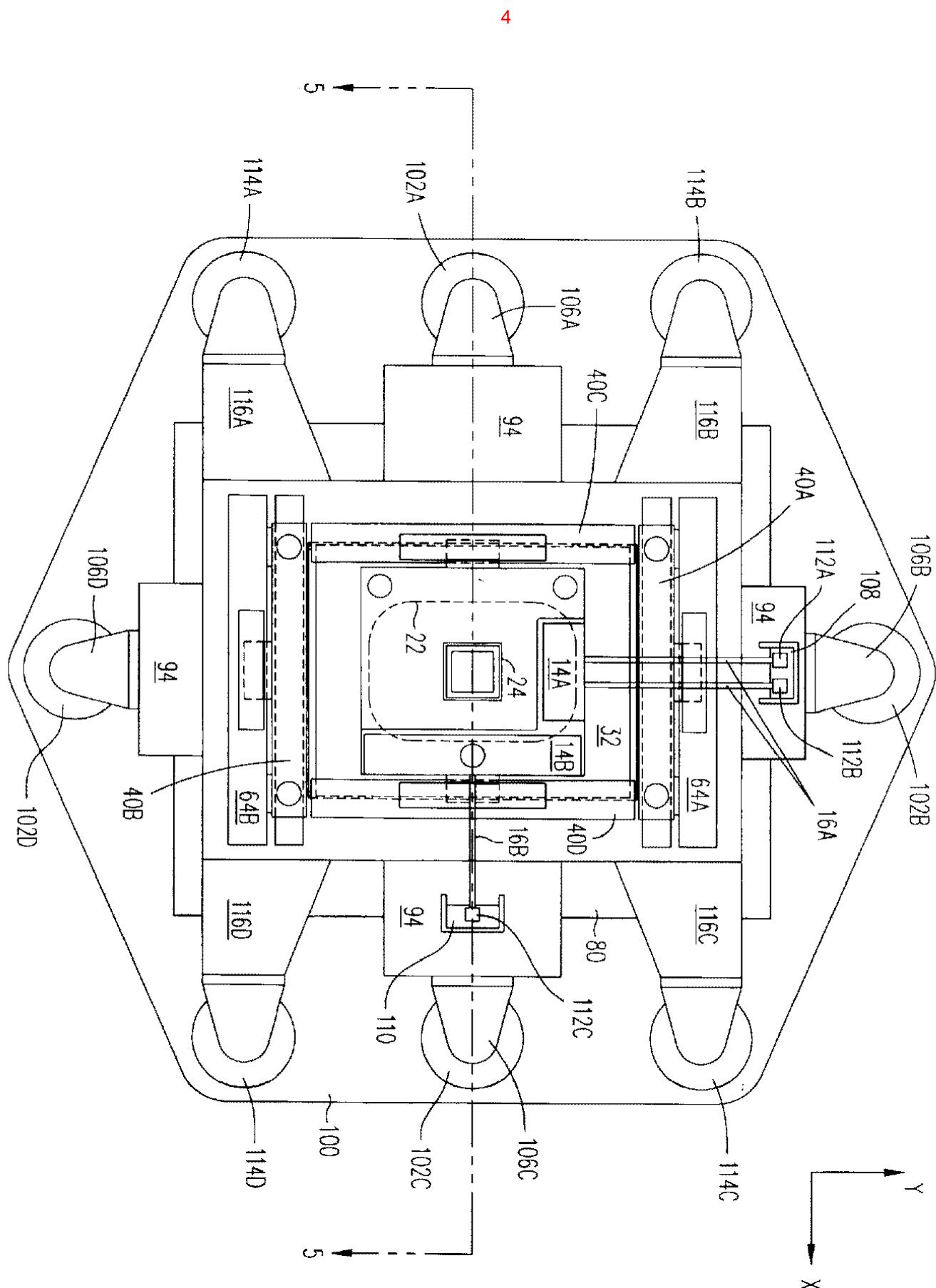


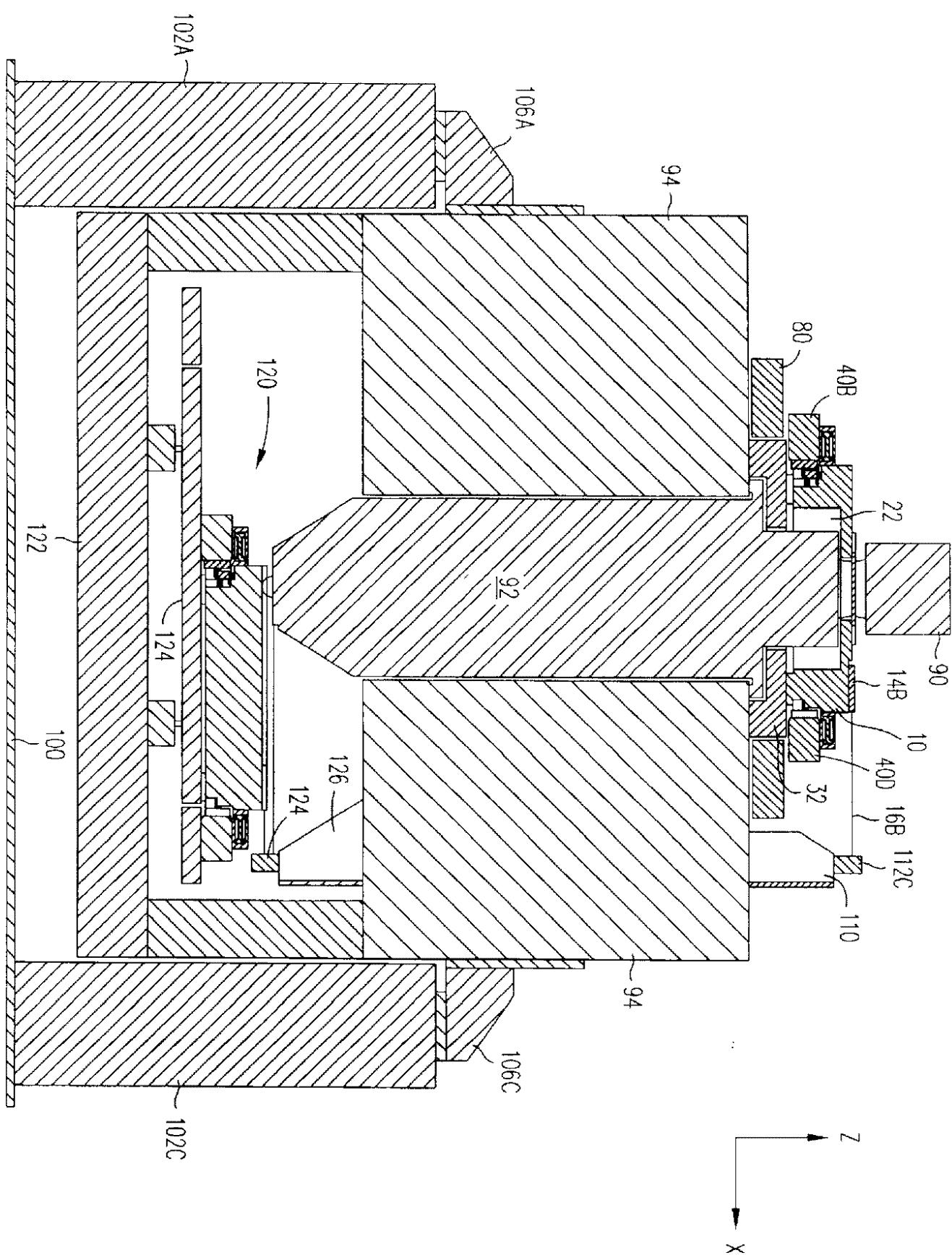
3a

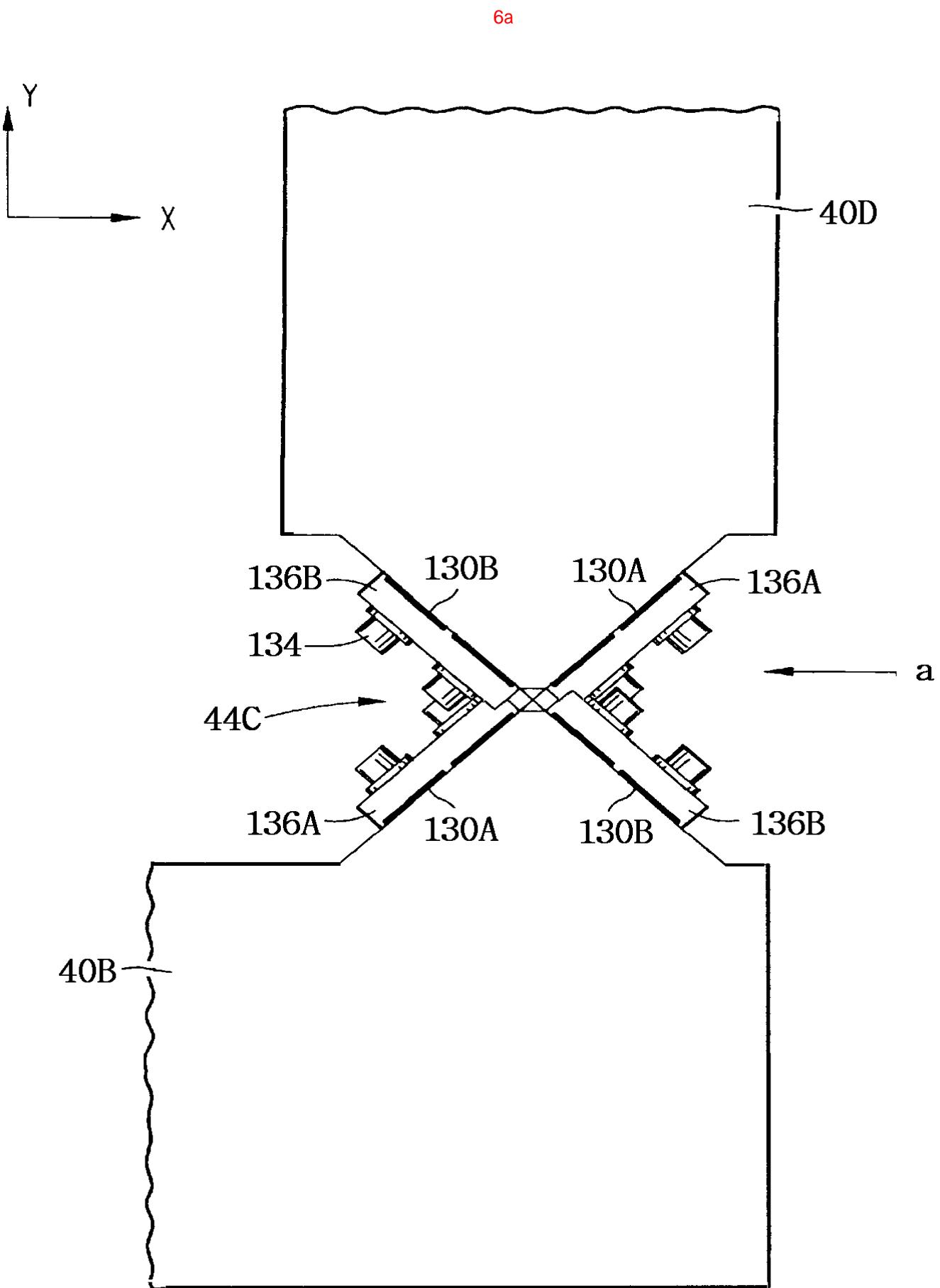


3b









6b

