

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
G01M 17/02

(45)
(11)
(24)

2001 11 17
10 - 0313734
2001 10 24

(21)
(22)

10 - 1999 - 7006172
1999 07 07

(65)
(43)

2000 - 0069959
2000 11 25

(30)

60/036,716

1997 01 24

(US)

(73)

·
, (:60025) , 3600

(72)

,
44262, , ,218
, ·
44278, , ,125
,
44136, , ,16565
, ·
44709, , ,2222
, ·
44266, , ,3303
, ·
44203, , ,2865
,
44230, , ,12308

(74)

:

(54)

(10)

·

(12)
(154)

(12)

(156)
(100a) (12) (102) (102) ,
(20) (12) 가 (20) (beads)
(20) (20) (loadwheel) (42)

1

(uniformity)

(eccentricity), 가

가
가 (chuck)
(loadwheel)

/ (shoulder)

가

가 (rim) ,

가
가 가

가 , 가

가

가 (centering station)

가

가

가

(gantry) . , , 1 , 2

[illegible]

'V' 'Y'

'T' . 'Y' 'T'
' ' 가 .

가
,
,
,
(lifting)
가

가 , , , ,
() 가
(Dis
tal)
(magnetic breakaway coupling)

(tilt)
가 가 가

- 1
- 2 1
- 3 1 2
- 4 3
- 4A 4
- 5 3 5 - 5
- 6
- 7
- 8 7 8 - 8

9 7 9-9

10 12

1
 (10), (12), (14a) (14b)
 (14) (12) (roundne
 ss), , /

(12) 가 1 3 20
 (24,26)(3 가)
 (20)가 (10)
 (24)(3 가) (30)
 (26) 가 (32)

(30) 38 3 (36)
 가 (26) (24) , 가 (30)
 (40) (20) (42)
 , 가 (46,48)(3)
 (50,52)
 () ,

56
 3 가 , (54a) (54b),
 (3) (58)

(30), (32), (40), (50,52), (56) 3
 (60) , 4
 (62), (66a,66b, 68a,68b)
 (64) (62)
 I - (62a,62b) (62) (65a) (4 5)
 'Y' 'V' , (62) (65b) 'T'(1 4)
 'Y' 'T' (62) 'Y' (
 65a) I - (62a,62b) (70a,70b)

'Y' , 17.5. I -
 'T' I - (62a,62b) (72)
 (74)(4) (72) (62a,62b)

가 , ('T' (62a,62b) 'V' 'Y' (70a,70b) (68a,68b) .
 (64) (66a,66b) (64a,64b) I -
 (66a,66b, 68a,68b) (80,82) (66a,66b, 68a,68b)
 (64) (80,82)
 ,
 , (66a,66b, 68a,68b) I - , (60)
 I - 가 , I - ()
 , , ,
 .

1 2 가
 (INLET CONVEYOR FOR TIRE TESTING SYSTEMS) 1997 1 24
 60/036,718(13 - 867)

(10) 100 (12)
 (100) 1 102 , ()
 (108)

(12) 4
 (cantilevered arrangement) , (124)(2 가)
 (120,122)(1 가) (118)(2)
 (125,126) (128,130)
 (134) (120,122))
 가 (136,138) (120,122)
 (140)
 (142)(2 가)

' - (omni - roll) (120,122) , 1
 100a

, (kick) (108) , 154
 (154) (156)(1 2)

가 (100) , (156) , (30) ,
 , (124) 가
 .

1 가 , (100) (140)
 (170,172)
 , (176) 2
 가 . (180,182) 4 4
 () 가
 (100) (170,172)

, 2 (, 176a) (20)

190
 / , (Parkhann) 350. (PTR 252 - 350 - 4 - F
 PAB21M) (190) (13)
 4) (130)(1) (130) /
 가 가 (124)
 , 가
 가

42) (108) (100) (1)
 () (176,176a)가
 (170,172) 가 , (176a)
 , (20)
 (142)
 - ' (176,176a) 가
 (170,172)

, (154) (30) (156)
 , (190) (30) (156)

, (142), (30) 가
 (energized). ,
 가 (12) .
 , 가
 (154) (156) 가 ,
 가 ()
 ,
 ,
 (,) , ,

(64) , 가 (60) (30) (60)
 (32) (12) .
 가
 (AUTOMATIC ADJUSTABLE WIDTH CHUCK APPARATUS F
 OR TIRE TESTING SYSTEM)
 1997 1 24 60/036,71
 9(13 - 868) ,

3 , (32) (204) (ram) (202)
 . (fasteners)() (64) 4 가
 (64) (224) (22
 0) 가 , (204) (30)
 (32) (202) (26) (32)
 (30) (30a)(2)
 (228) (228) ' (nose cone)'
 (228) (30a) , (32) (30)
 , (30) (26)
 가 (32) (30) (26)
 (24) .

(20)가 (12) , (20) (300) (14a) /
 (14b) . 1 2 , (142)
 (2) . (124) (100)
 , 156
 (10) (124) (20) (300)
 . 1 , (308) (306)
 (304) . 1 가 , (308)
 (126,125) , 가
 (300) , (300) 가

(312)(2) (strut)(314)(2)
) (300)
 , (300)가 (312)

, (300) (14a) , (14a) (14a)가

, / , 가 320 가

, (300) (304) 가

, (14a) 14b
 (14b) 가
 , 가

(42) , (42) (40) 3
 (42) 400 (46,48) (402) (42)
 (46) (48) 가
 , (403)

/ ,

4,805,125

, C - (400) . C -

(156) . (402,156) .
3 , (400) 410 가
(410a) (60) (62) (410b) 가 4
, (410b) (420)
(62) (recessed) .
가 (410a)가 (424) (426)
, (46,48) 3 가 180. 가 (rever
sibility)' (400) , 1 ,
(46,48)
가
가
(12) , 1
(10) (14a,
14b) (400) ,
(400)
(426)(3) (410a)가
가
(400) 1 3 440
(442,444) I
- (68a,68b) (400) (threadedly engaged) (400) ,
가 (pot)()
(42) (36) ,
/
-
가 (36) (42) (440) (20) (36)
(42) (20) (36) (42)
가 (400) 가
(440)

(Apparatus And Method For Imposing A Desired

Average Radial Force On A Tire)'

4,704,900

가

가

(42)

가

(LOADWHEEL ASSEMBLY FOR TIRE TESTING SYSTEMS)

1997 1 24

60/036,717(14 - 212)

3, 4, 4A, 6

(3 500)

, , 3 4A 가

(504) (502) (502)

(506) (66b) 3 가 (504) (504) (68)

(66,68)

(504)

(508)

(68)

4A 가

(504)

(62)

I -

(tackle)

(chain fall)(510)

(504)

(504a)

(62)

6

가

(62)

(156)

(62)

(514)

(156)

(514)

6

(400)

(516)

(400) (42)

(402)

(42)

(402)

(400)

(516)

(514)

1

(36)

(62)

(514)

, 6

(sprocket)

36a

(504)

(62)

(514)

(500) ,

가

6

(514)

3 7 12 , (56) 가 . , 5
 , 3 I - 1 (600)(8)
 , 2 I - (5 가) 2 (6
 02) . (600) 9 가 , (604)()
 I - (68b) . , 8 (604) I - (7 8)
 (606) , (606)
 (604) I - (9) (606) . 8 ,
 (606) (606a) , I - (68b) (longi
 tudinal extent) . (600) (604) (tabs)(604b)
 (600b)(8 9) . 8 , (604) (607)
 I - (66b) .

(600) (54a) (54b) (58) .
 (612) , (614) (610)
 . (54a,54b) ,
 . , (54a,54b)
 .

(58) (606)
 . , (58) (,
). (58) (,
).

, (54a,54b, 58) 가
 . , 가
 Tol - O - Matic 가 .

(54a) (620) (622) . (624)
 () (624)가 (622) (622)
 (620) . (622) (620)
 . (624)

(54a) (642) (644) (640) (640)
(644a) (644)

(622) (644) (630) (54a)
(644) (630)
(644a)

(620) (624) (622) (624)가
(644) (640) (606)
(642) (624) (640) (624)
(644) (610)가

(54b) (650), (652),
(654) (654)
(660) (656)
(662a) (664) (662)
(664) (606) (644a,662a)
3

(58) (670) (672)
(676) (678)
(680) (606) (680)
(682) (682) (682a)
(678) (58)

가 ,

7 (670) (672) (614)
(614) (682) (614)
(672,682)

(610) (612)

/ (610,612) (614)

(tilt)

(610) 10 12

(610a)가 (off - the - shelf)

(700)

12 가 (700) (54a)

(702) (700) (706)

(610a) (702)

/ (704) (704)

(700) (704) (tangent)

(710a,710b) 가

(610a) (610a)

(610a)

(700)

(Hauppauge) Spectron Glass and Electronics 가 (electrolytic)

'가

(610,612) ()가

12 가 740

(610) (742)()

744

(610)가 (746)

(68a) (602)

(760)(, 5) (602)

(600)

가 (770) 5

(772)((606)) I - (68a)

7

(610)

(776)()

가

(600)

(602)

5

5 가

1, 4, 5 가

(68a,68b)

(4 5 780)

5 가

(68a,68b)

(shielded)

가

가

가

가

()

(closed loop control system)

가

가

가 ,

(runo

ut)

가 ,

(50,52)

가

가

가 ,

가

1 -

5

, 5

가 1 -

2

가 ,

가 , 6 , (62) , 6 , (802) ,
 , (800) , , (806) , , (810) , (66,68) ,
 (가) , 10% , 50% ,

, / , 가 ,
 / 가

가

(57)

1.

- (a) ,
- (b) 가 ,
- (c) ,
- (d) 가 가 가 가
- (e) , ,
- (f) 2 10% 가 1 ,

2.

1 , 1 2 50% ,

3.

,

(a) ,

(b) ,

(c) ,

(d) 1
2 ,

(e) 'V'
, V (leg) ,
.

4.

3 , I - , .

5.

1 ,

(a) ,

(b) 가 ,

(c) 가 , .

6.

5 , (magnetic breakaway means)
, .

7.

5 , (tilt)
,
, .

8.

,

(a) I - , 1 (load wheel)
, ,

(b) (longitudinal extent)
,

(c) , 1 , 2 ,

(d) , .

9.

8 , I - , .

10.

8 , I - , .

11.

10 , 'Y' (forked) , 'Y' I - , .

12.

8 , I - , I - , .

13.

,

(a)

,

(b)

1

,

(c)

,

(lifting)

(support arm)

,

(d)

(flexible means)

,

.

가

14.

13 , (test rims) (engaged) 2 , .

(g) 1

19.

18 , (bead)

20.

19 , (a)

(b)

21.

(a) 가

(b)

(c)

(d)

(e)

(i) 가 ,

(ii) 가 ,

(iii) ,

(iv) 가

22.

21 , 가 ,

23.

22

24.

23

가

25.

21

(a)

I - ,

1

(b)

(c)

1

2

(d)

26.

25

I -

I -

27.

(a)

가

가

(b)

(c)

(d)

(e)

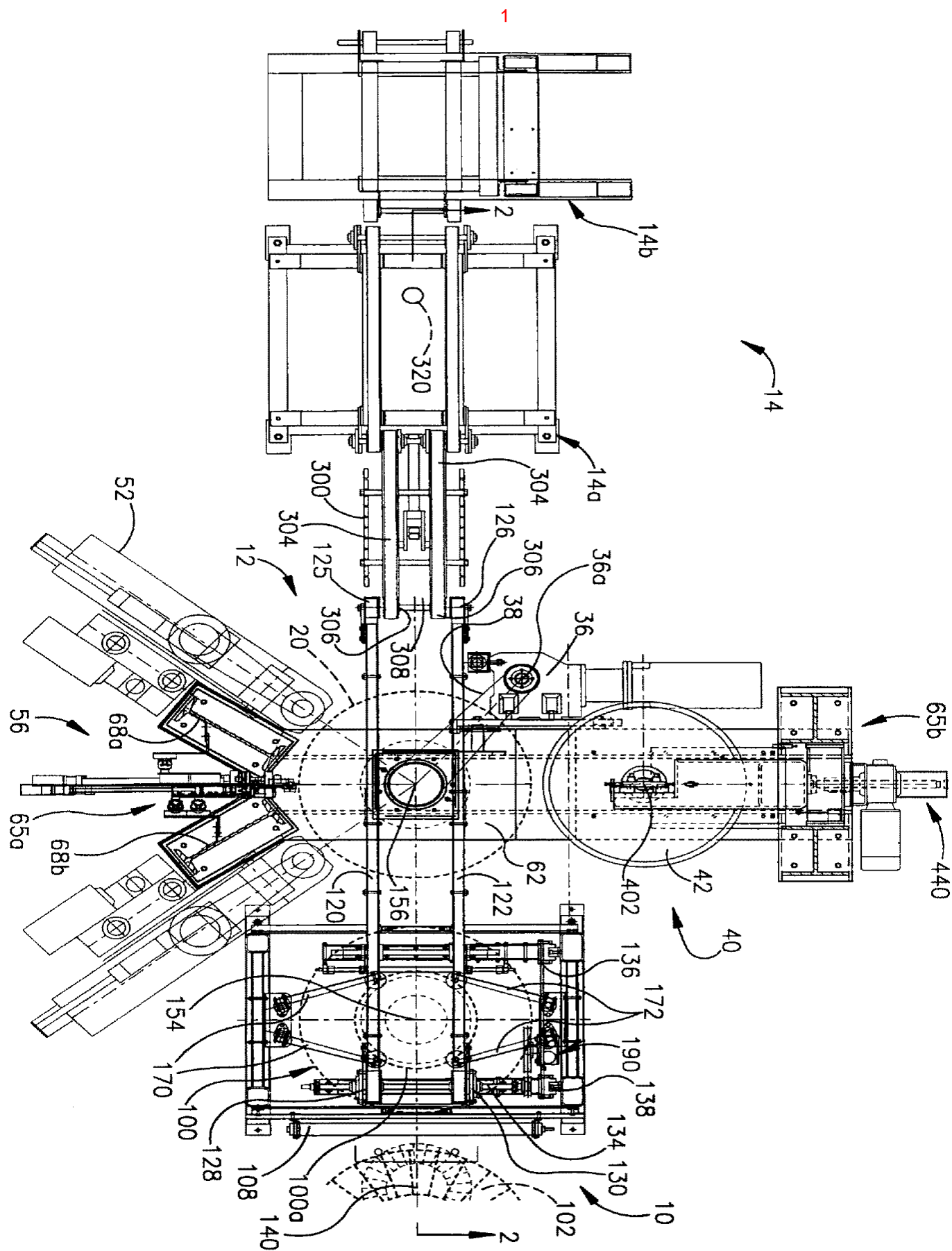
(f)

(g) ,

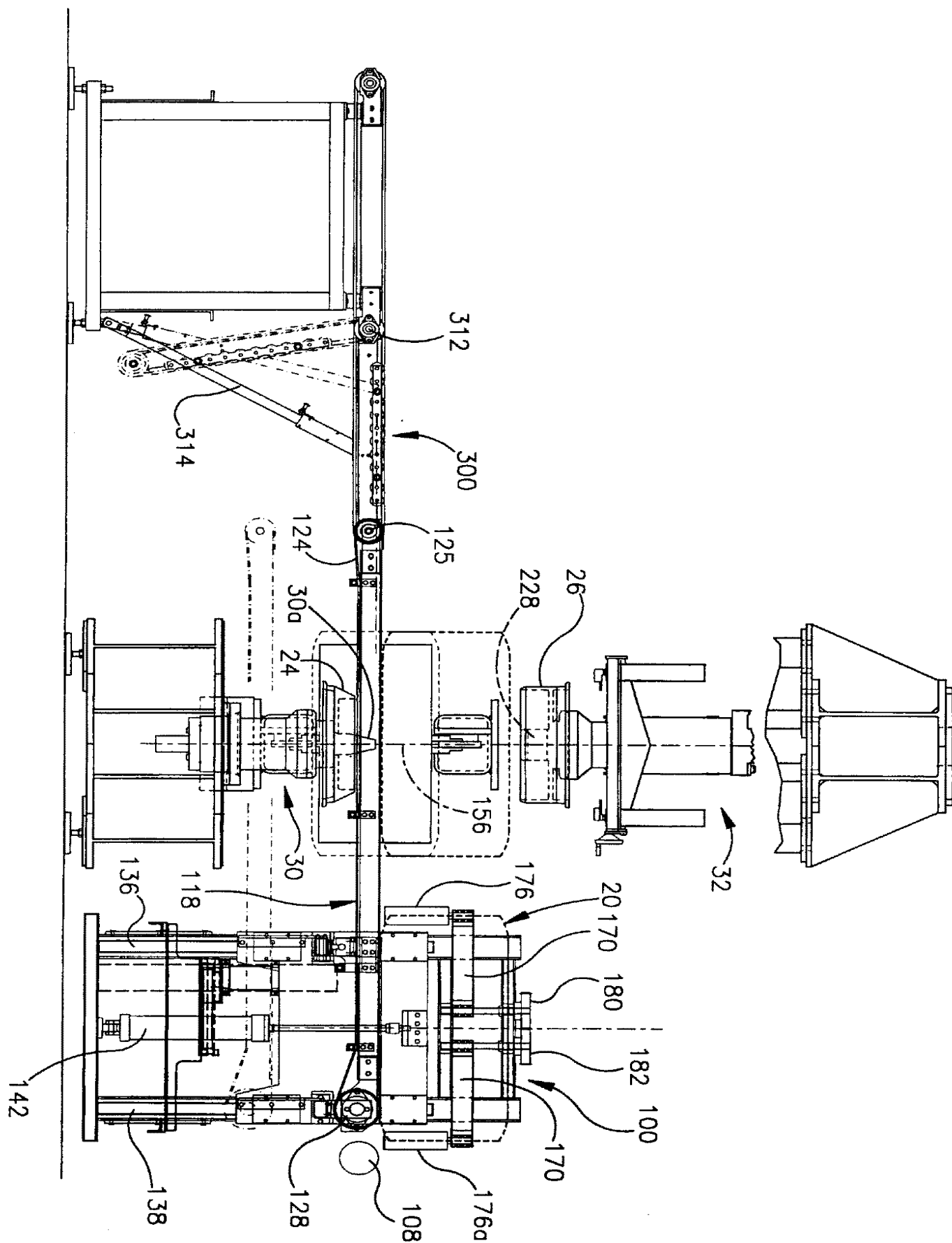
(h) ,
.

28.

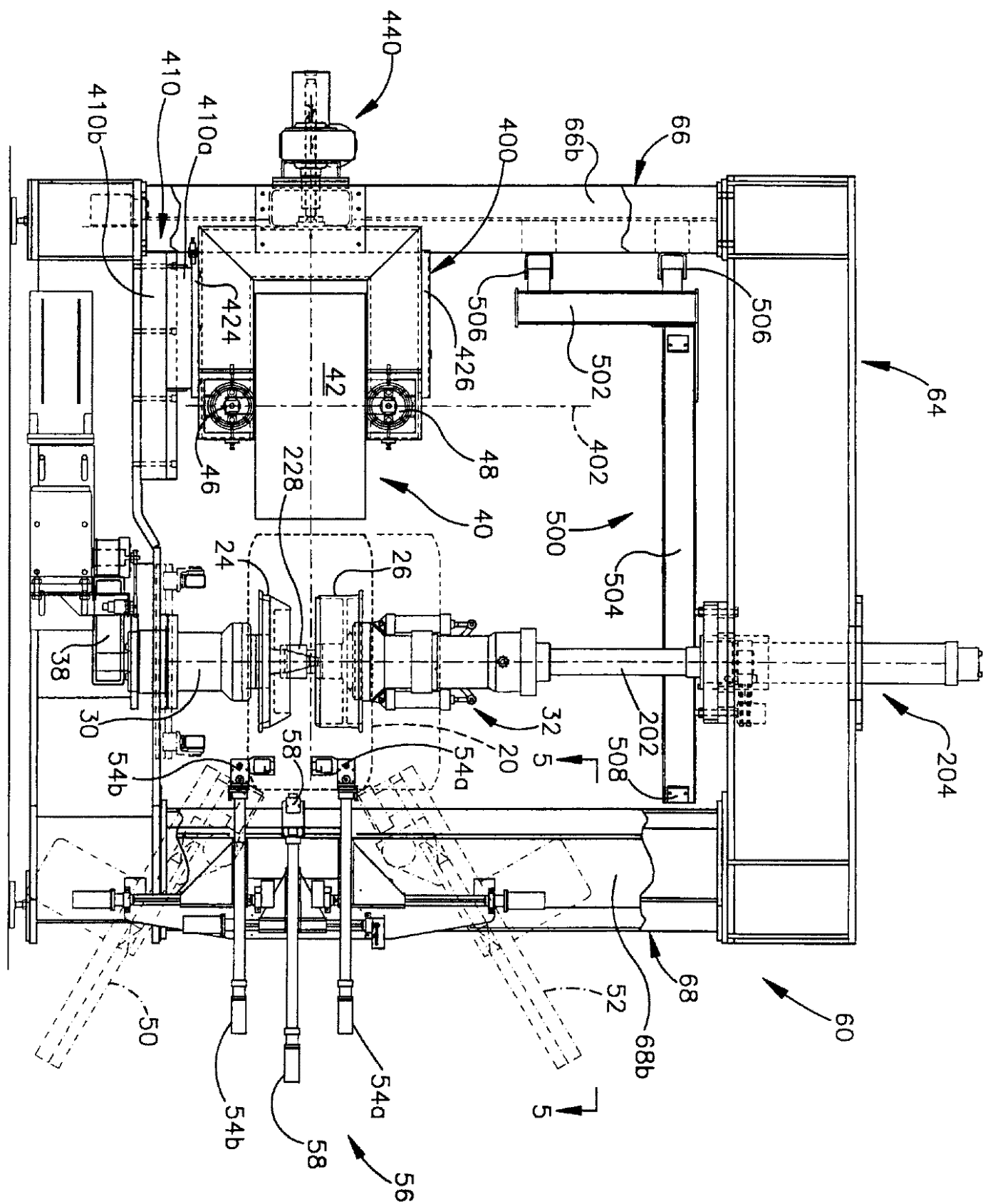
7 , (electrolytic) , .



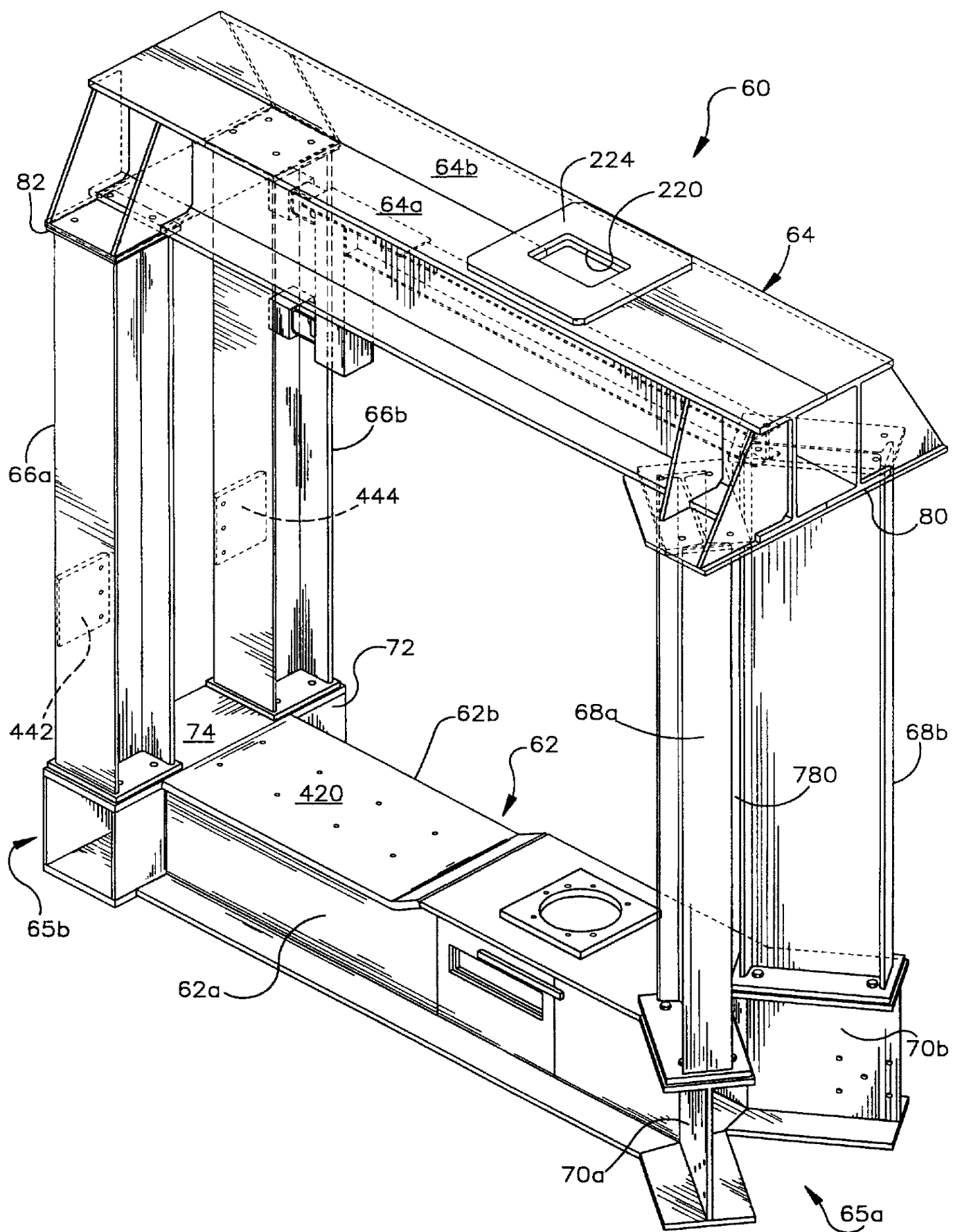
2



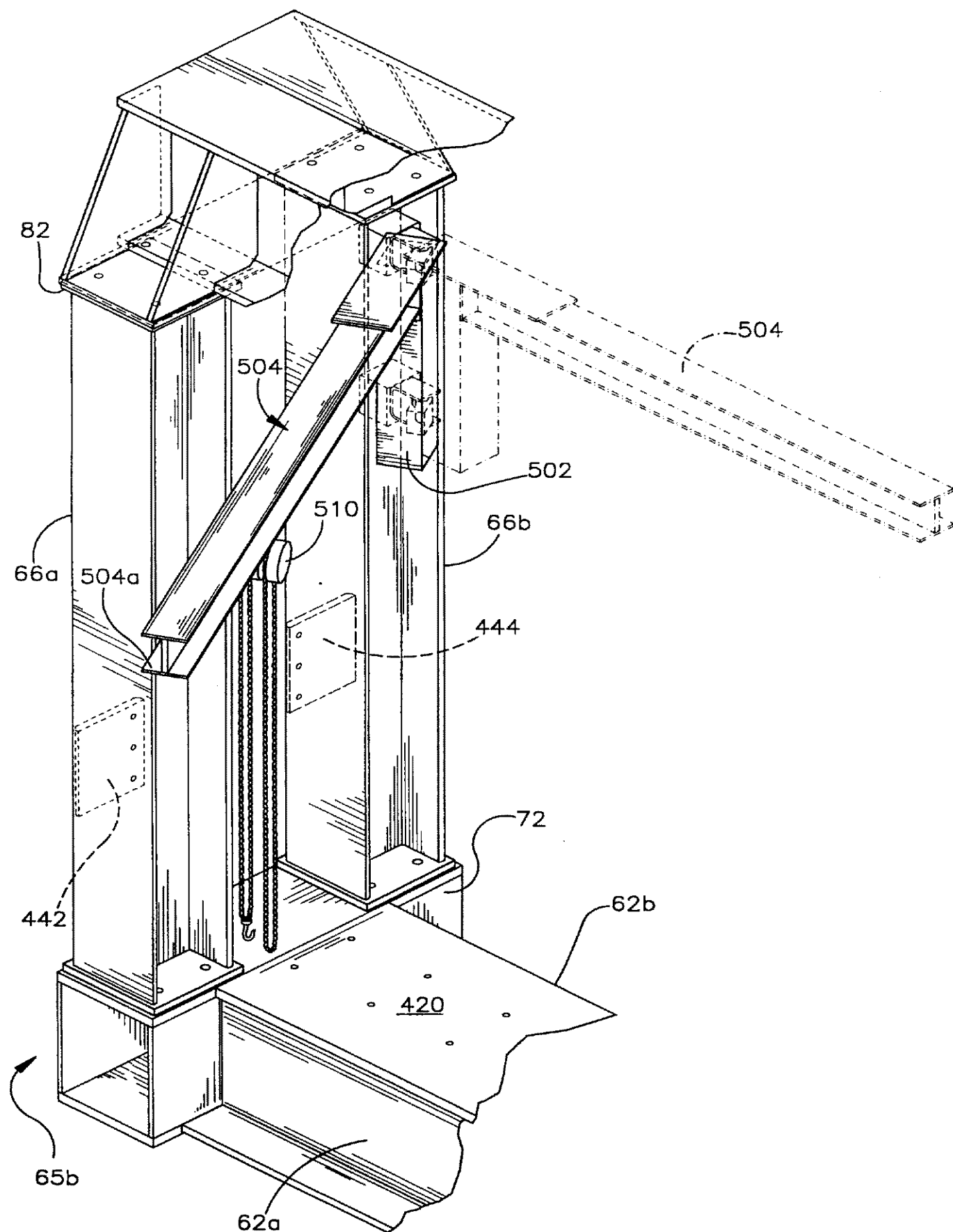
3



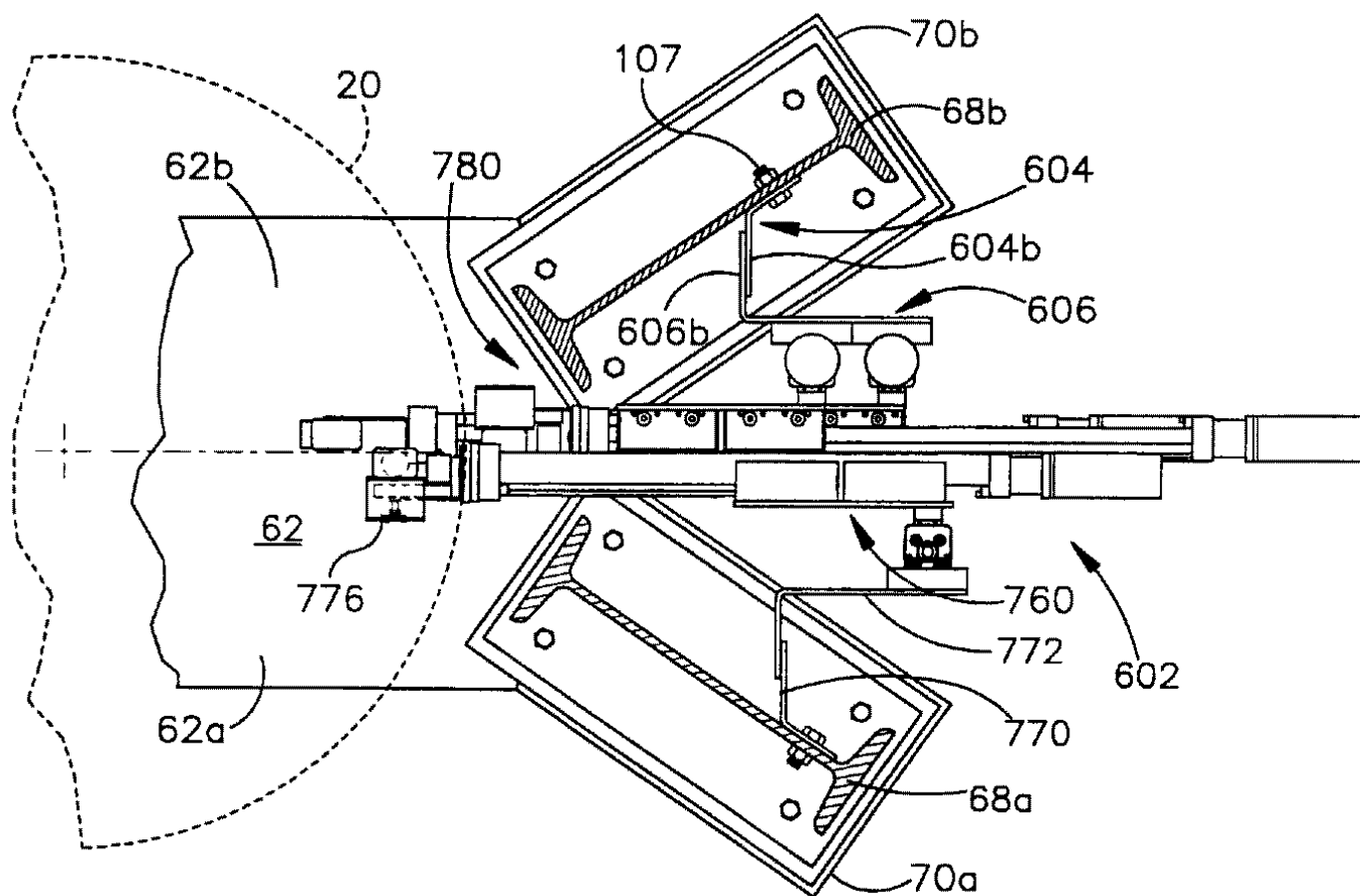
4



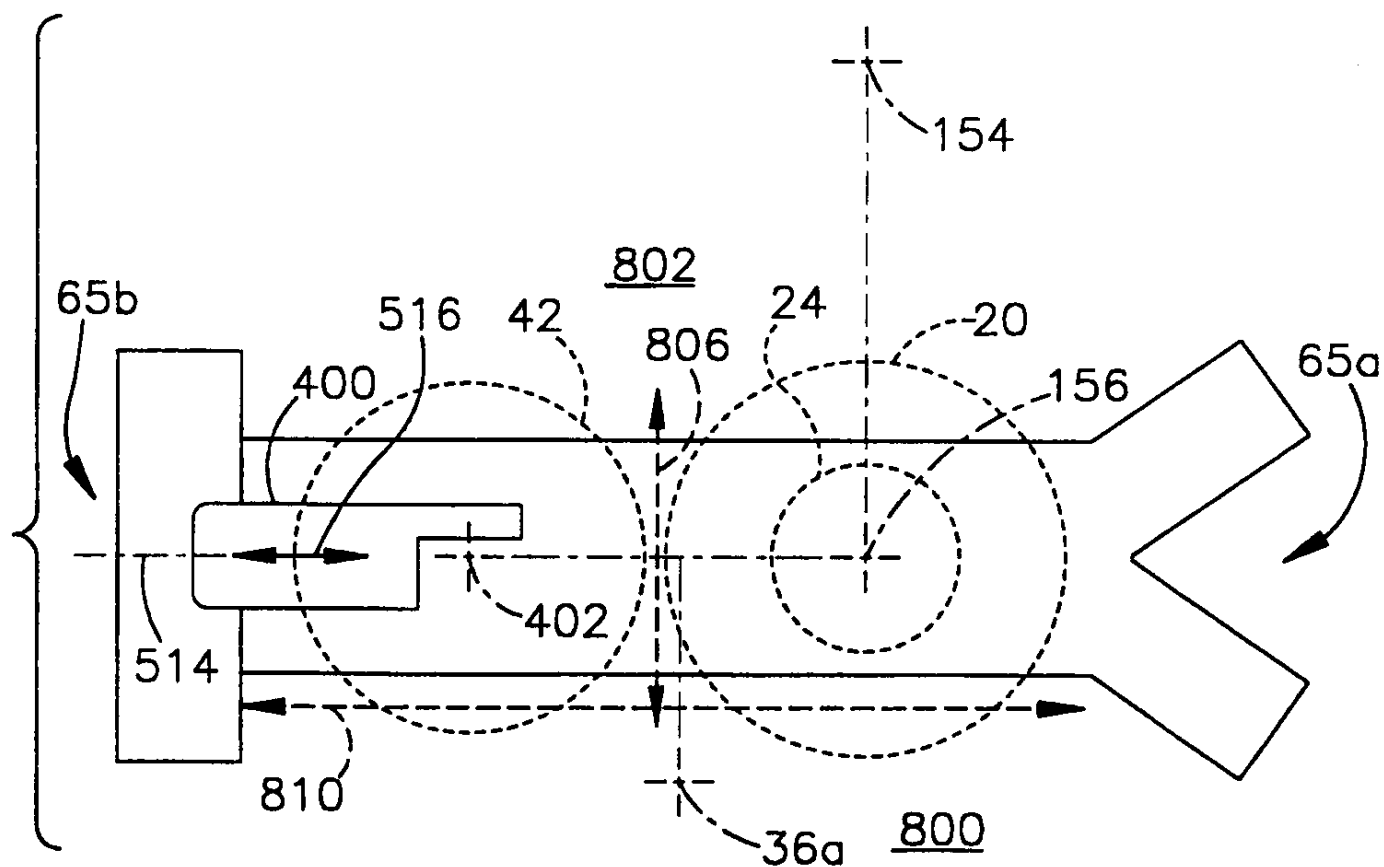
4A



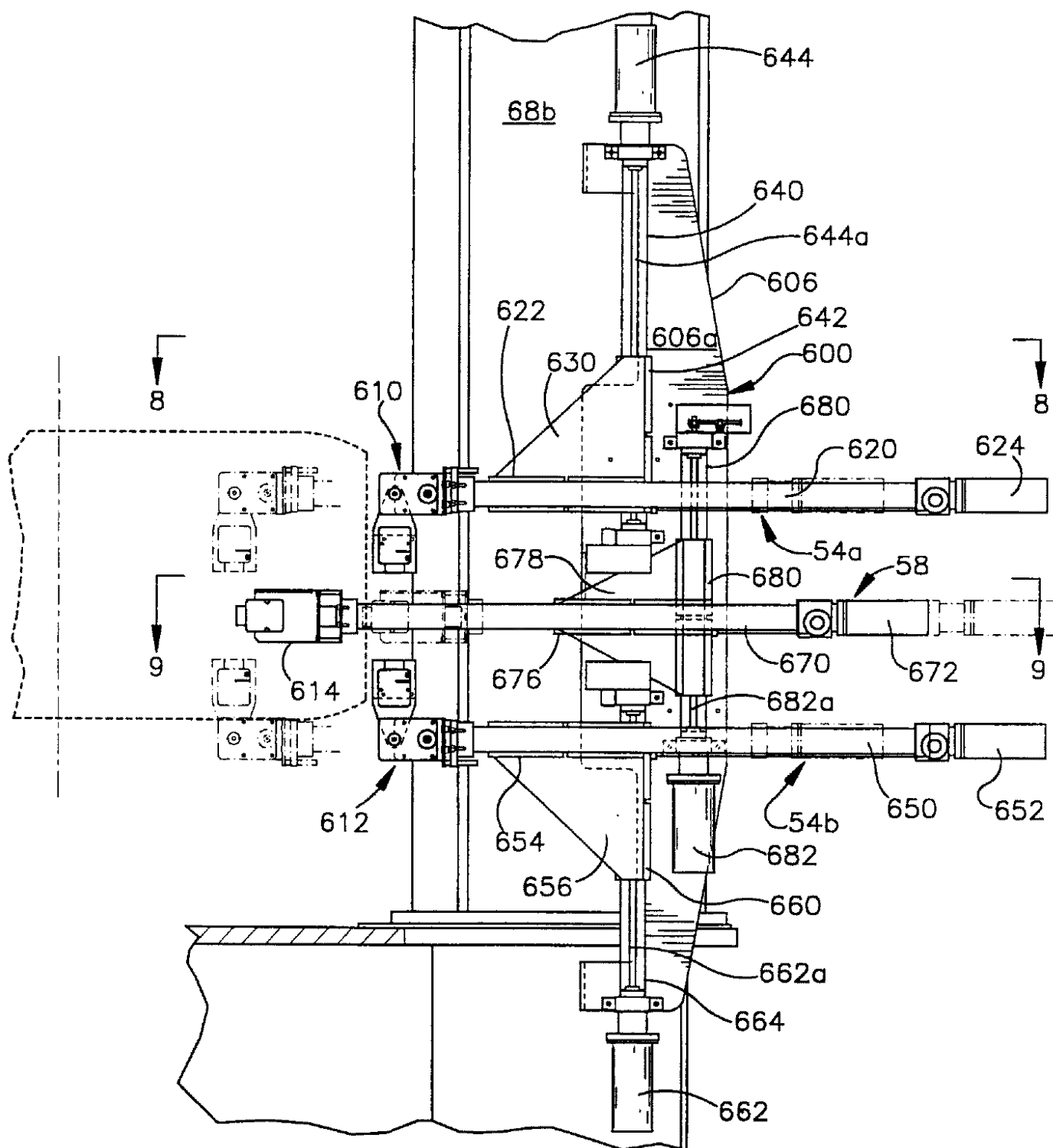
5



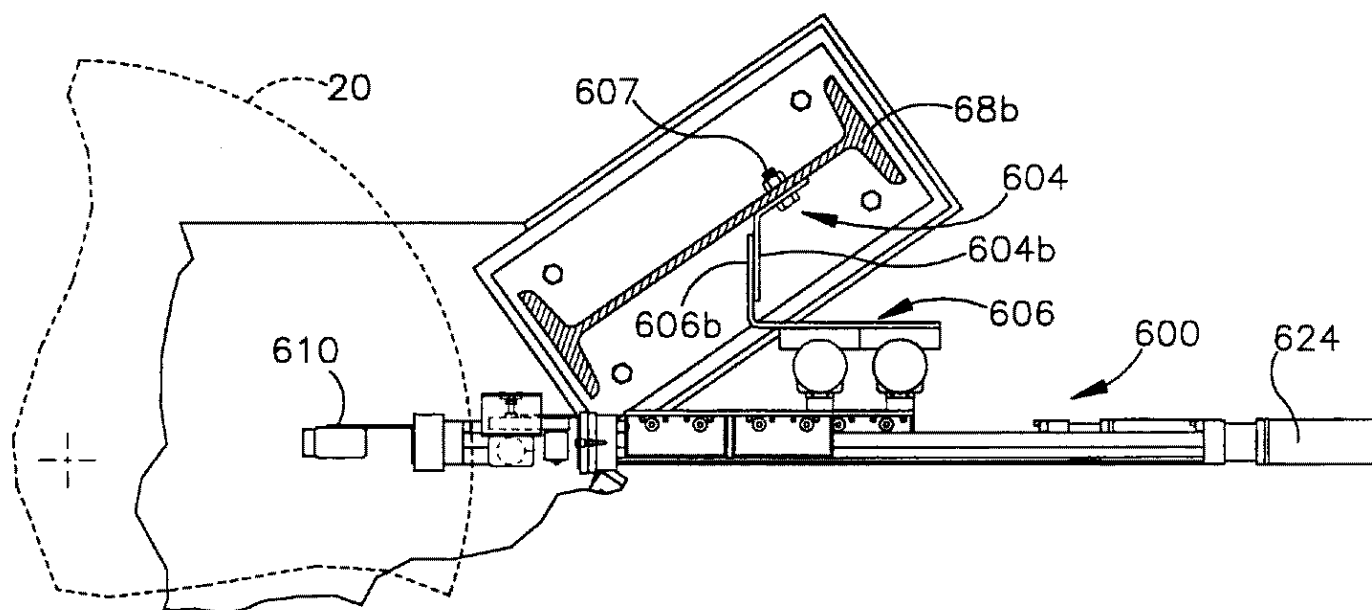
6



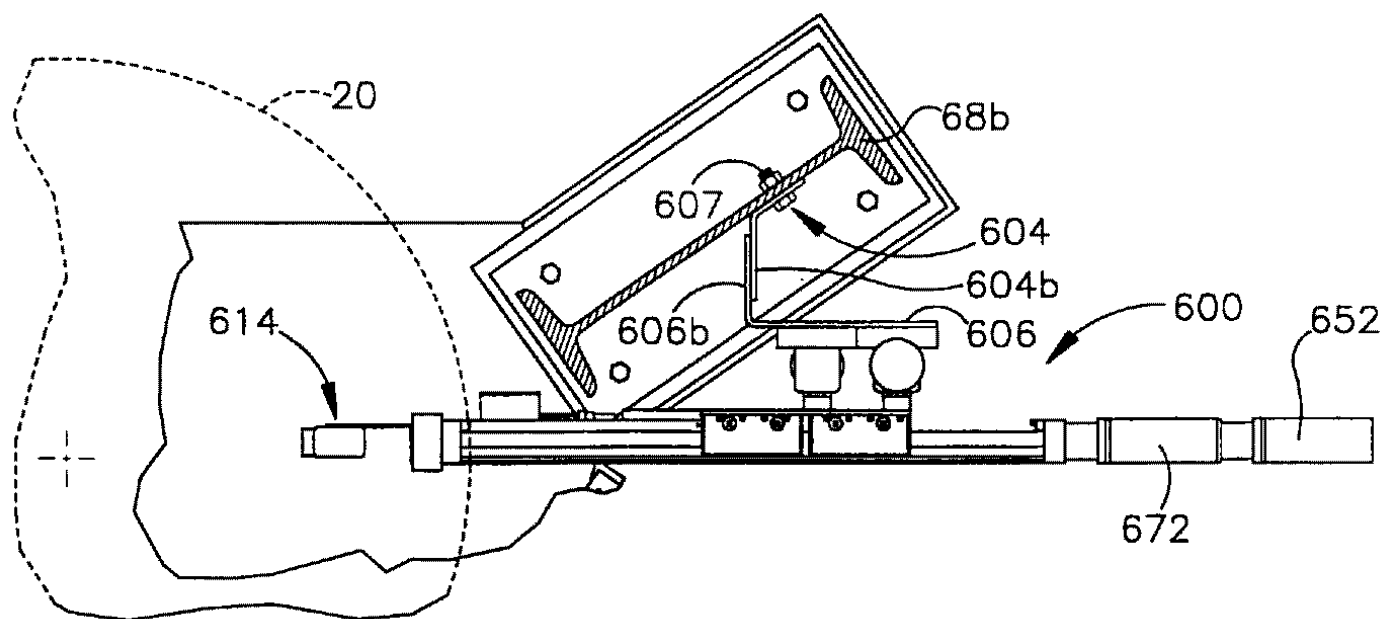
7



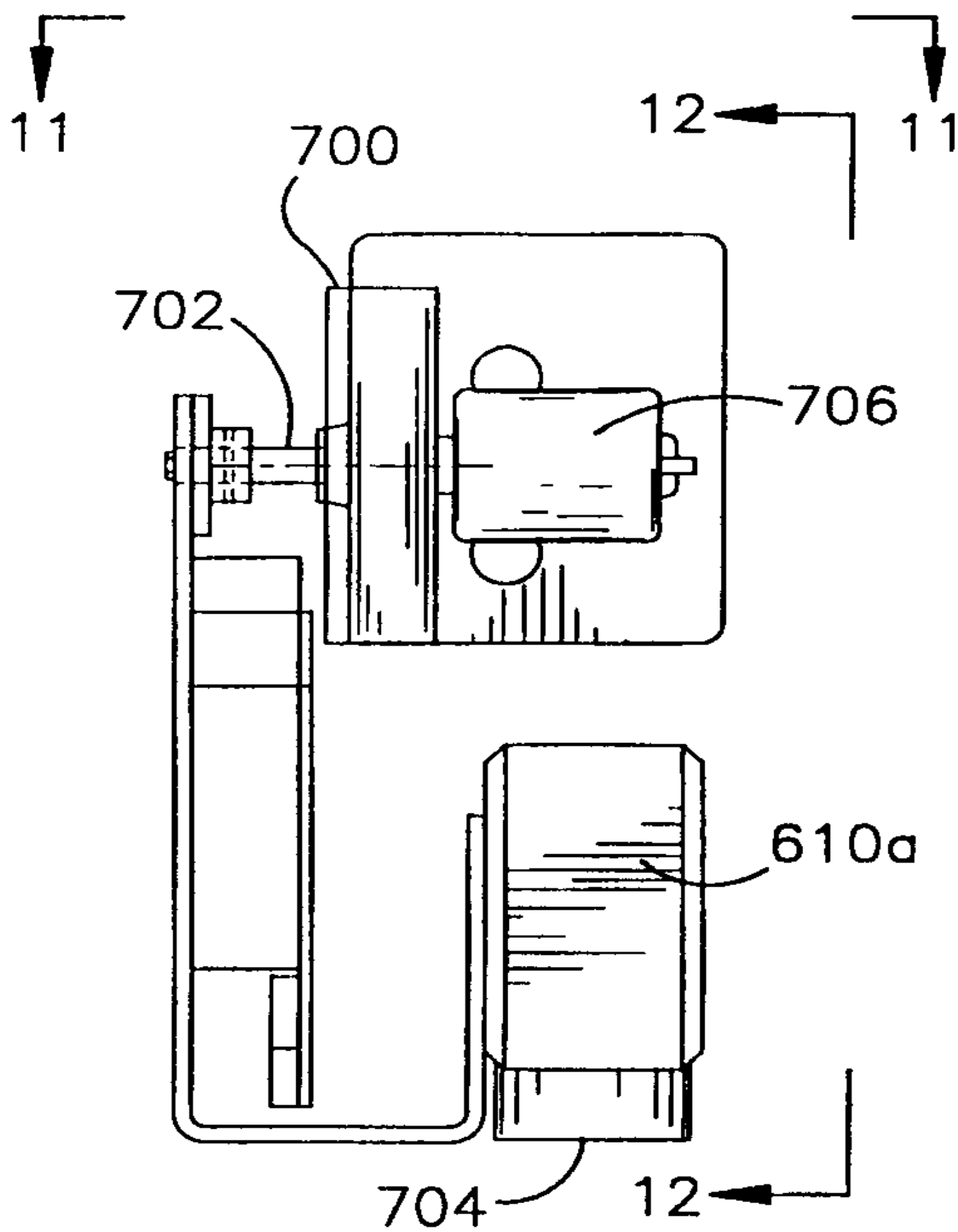
8



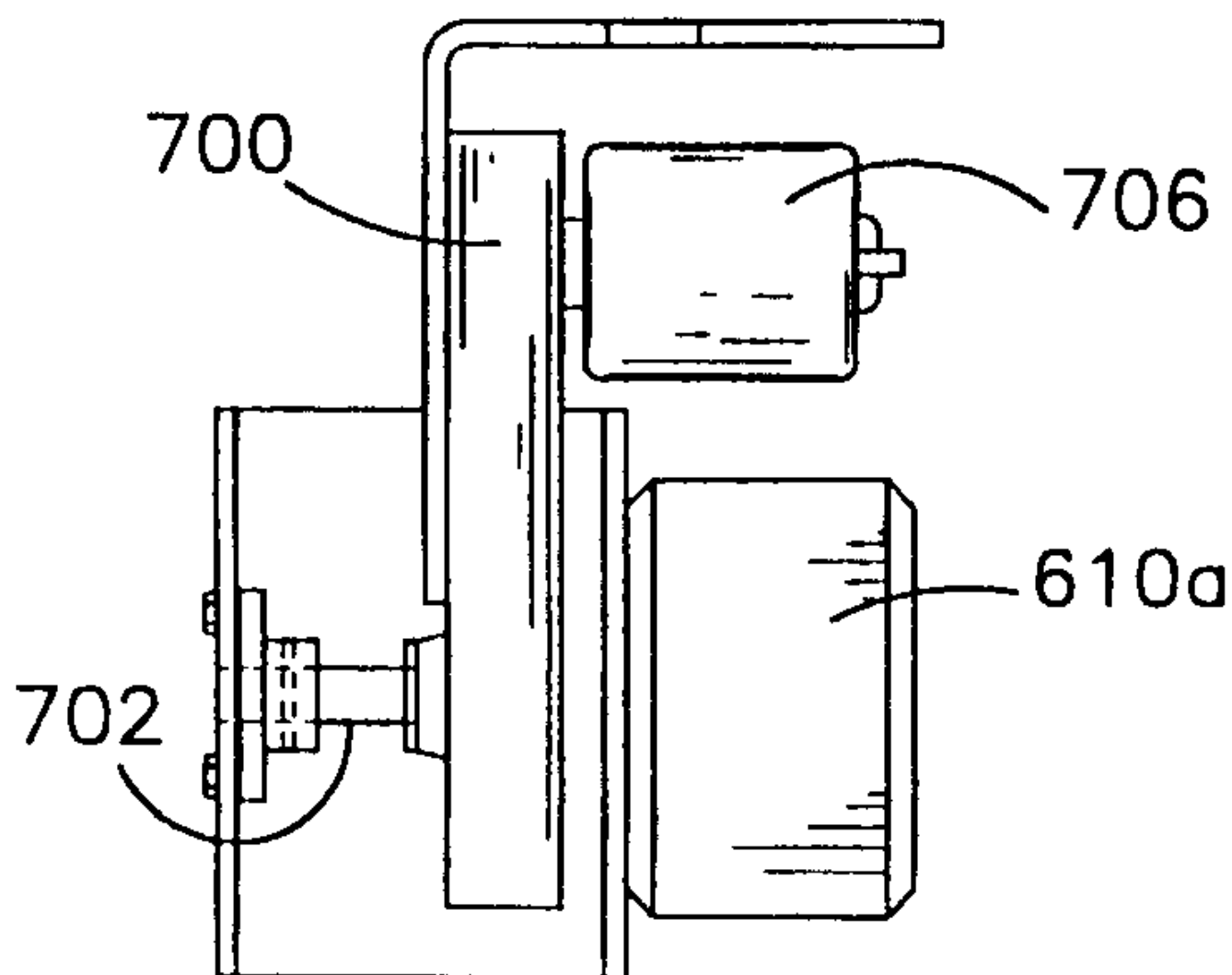
9



10



11



12

