

(19) (KR)
 (12) (B1)

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G01M 17/02	(11)	10 - 0313734
	(24)	2001 10 24

(21)	10 - 1999 - 7006172	(65)	2000 - 0069959
(22)	1999 07 07	(43)	2000 11 25

(30)	60/036,716	1997 01 24	(US)
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(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) (102) ,
(100a) (12) . (12) 가 , (20) (beads)
 (20) (20) (loadwheel) (42)

1

, (uniformity)

(eccentricity),

가

가 (chuck)

(loadwheel)

(shoulder)

가

가 (rim) ,

가 ,
가 ,
가 ,

가 , 가

'V' 'Y'

가 'T' 'Y' 'T'

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

(tilt)

가 가

가

1

2 1

3 1 2

3

4A 4

5 3 5 - 5

6

7

8 7 8 - 8

9 7 9 - 9

10 12

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

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

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

56
 3 가 , , (54a) , , (54b),
 (3) (58)

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

'Y' , 17.5° | - , 'Y'
 'T' | - (62a,62b) (72)
 (74)(4) (72) (62a,62b)

가 , ('T' (62a,62b) 'V' (64) (66a,66b, 68a,68b) (64) 'Y' (72) (70a,70b) (80,82) (66a,66b) (68a,68b) (66a,66b, 68a,68b) (80,82)

, (66a,66b, 68a,68b) | - (60)

| - 가 , | - (, , ,)

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

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

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

, 2 (, 176a) (20)

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

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

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

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

, 가
(154) (156)) 가 . . ,
가

(,) , ,
 ,
 ,
 가 (60) (30) (60)
 가 (32) (12) .
 STING SYSTEM) (AUTOMATIC ADJUSTABLE WIDTH CHUCK APPARATUS F
 3 - 868) 1997 1 24 60/036,71

3	,	(32)	(204)	(ram) (202)	4	가
.	.	(fasteners) ()	(64)	.	
.	.		(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) . 1 2 , (20) (300) (14a) /
 (14b) . (124) , (124) (100) (142)
 (2) . , (100) 156
 (10) (124) , (20) (300)
 1 , (308) (306)
 (304) . 1 가 , (308)
 (126,125) , 가 (300) 가
 (300) . , (300) 가

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

, (300) (14a) , (14a) , (14a)가

, / , , , , , , , , , , ,
, , , , , , , , , , , , ,
가 , , , , , , , , , , , , ,
320 , , , , , , , , , , , , ,
가 , , , , , , , , , , , , ,
,

, , , , , , , , , , , , ,
, , , , , , , , , , , , ,
(300) (304)
가 , , , , , , , , , , , , ,
,

, , , , , , , , , , , , ,
(14a) (14b) , , , , , , ,
14b , , , , , , , , , , , ,
가 , , , , , , , , , , , , ,
,

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

4,805,125

, C - (400) . C -

(Apparatus And Method For Imposing A Desired
Average Radial Force On A Tire)'
4,704,900

(42) , , ,
(LOADWHEEL ASSEMBLY FOR TIRE TESTING SYSTEMS)
1997 1 24 60/036,717(14 - 212)

3, 4, 4A, 6 , (3 500)
, , (504) 3 4A 가
, (506) (66b) (502) (502)
(66,68) , , (504) (508) (504)
(68)

4A 가 , (504) (62)
(tackle) (chain fall) (510) (504)
(504a)

, , , (62)
6 , , , , , (62)
(156) (156) (514) (514) (514)
,

6 , , (400) (400) (402) (402)
. (400) (42) (402) (516) (516)
,

1 , , (36) (62) (514)
, 6 , ,
(sprocket) 36a (62) (514)
,

, , , , , 6
, (514)

3 7 12 , (56) 가 . , 5
 , 3 2 | - | - (5 가 1) (600)(8
 02) . (600) 9 가) 2 (604)(
 | - (68b) . , 8 (604) | - (7 8)
 (604) | - (9) (606) , (606)
 (606) tudinal extent (600) (604) . 8 , | - (68b)
 (600b)(8 9) (606a) , (longi
 | - (66b) . (604) (tabs)(604b)
 (600) (54a) (54b) (58)
 (612) , (614) (610)
 (54a,54b) ,
 , , , (54a,54b)
 (58) (606)
 , (58) (,
). (58) (,
).
 , (54a,54b, 58) 가
 , , ,
 Tol - O - Matic 가
 (54a) (620) (622) (624)
 (620) (624) 가 (622) (620)
 (624)

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

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

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

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

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

가

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

(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) (704)
 / (700) (704) (tangent)
 (710a,710b) 가 , ,

(610a) (610a)
 () (700) (610a)
 (Hauppauge) Spectron Glass and Electronics 가 (electrolytic)
 '가 , , ,

(610,612) () 가 740
 (610) 12 가 , ,
 , 744 (742)()
 (610) 가 , , (746)

, (760)((68a) (602)
 (600) , 5) (602), ,
 가 , (770) (68a) 5
 (772)((606)) , - (68a)

7

(610)

(776)(

가

(600)

(602)

5

, 5 가

,

(68a,68b)

, 5 가

1, 4, 5 가
(4 5)

780

)

(68a,68b)

(shielded)

가

가

가

가

가

)

(closed loop control system)

가

가

ut)

가

(runo

가

가

(50,52)

가

가

가

5

, 5

가

2

가

가 , ,
 . 6 , , (62)
 . ' (800) , ,
 . (806) , ,
 () 가 , , (810)
 , , , ,
 10% , , , ,
 50% , , , ,

가

가
가

(57)

1.

(a)

(b)

가

(c)

(d)

가 , ,
가 , ,
가 , ,

(e)

(f)

2 10% 1
 , , , ,

2.

1 , , 1 2 50% , ,

3.

(a) ,

(b) ,

(c) ,

(d) , 1

2

(e) , 'V'

V (leg)

4.

3 , | - ,

5.

1 , | - ,

(a) ,

(b) , |

(c) , |

6.

5 , (magnetic breakaway means)

7.

5 , (tilt)

8.

(a) , | - ,

, 1

(load wheel)

(b) ,

(longitudinal extent)

(c) , 1 , 2

,
(d)

9.

8 , | -
,

10.

8 , | -
,

11.

10 , 'Y' (forked) , 'Y'
| - ,

12.

8 , | - ,
| - ,

13.

,
(a)

,
(b) 1 , ,

,
(c) , ,
(lifting) (support arm),

,
(d) (flexible means) , , 7

14.

13 , (test rims) (engaged)
2 ,

15.

14

(i)

(ii) ,

(iii) ,

(iv) ,

(v) 가 , , , ,

16.

15

17.

15

18.

(a)

(b)

(c)

(d) 가

1

가

(e) 1 2

(f)

(g) 1

19.

18 , (bead)

20.

19 , (a)

(b)

21.

(a)

가

(b)

(c)

(d)

(e)

(i)

(ii)

가

(iii)

(iv)

가

22.

21 ,

가

,

23.

22

,
 ,
 ,

24.

23

, 가
 ,

25.

21

, ,
 (a) | - , , 1

(b)

,

(c)

1 , 2 ,

(d)

,

26.

25

, ,
 | - ,

27.

,

(a) 가

가

,

(b)

,

(c)

,

(d)

,

(e)

,

(f)

,

(g)

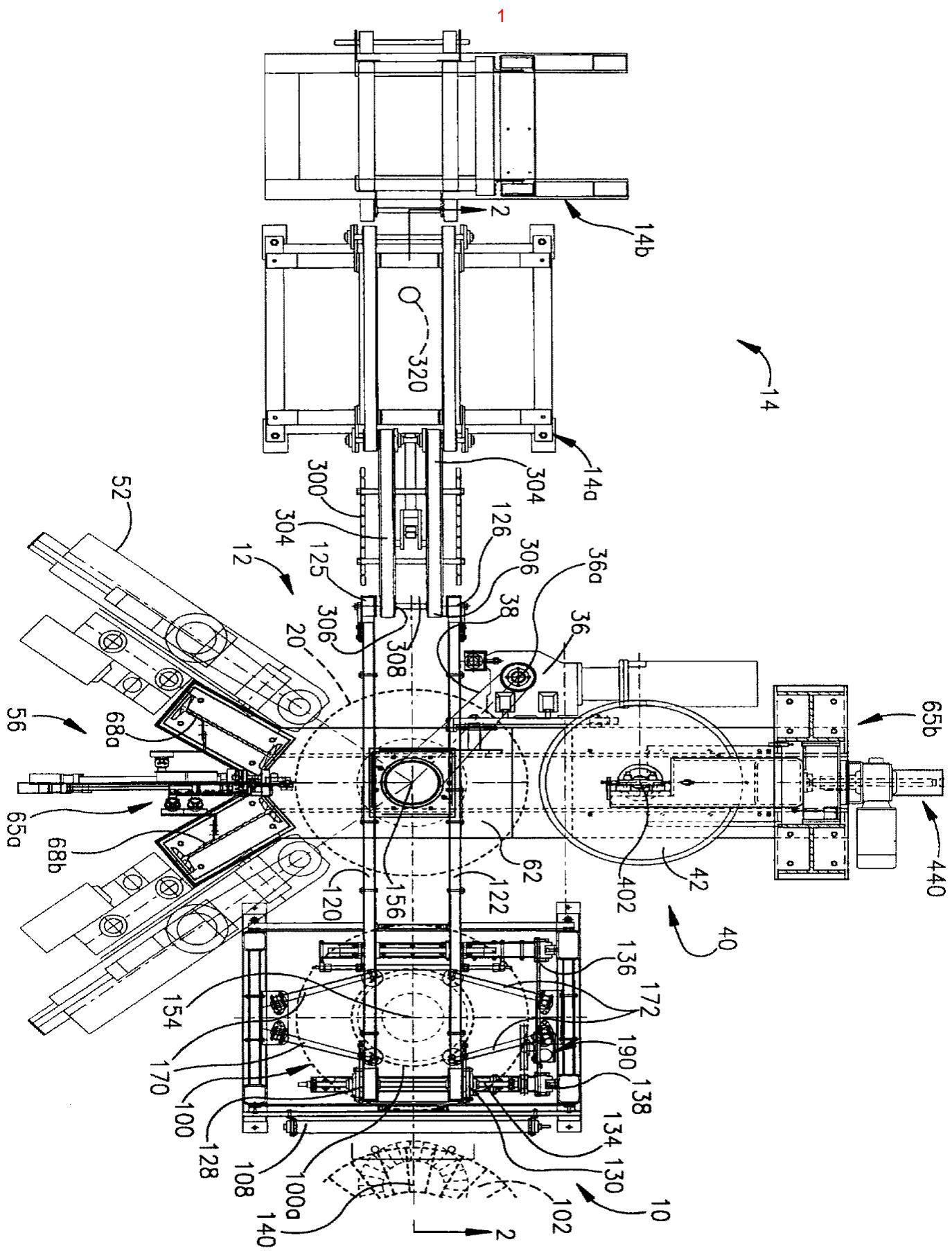
(h)

28.

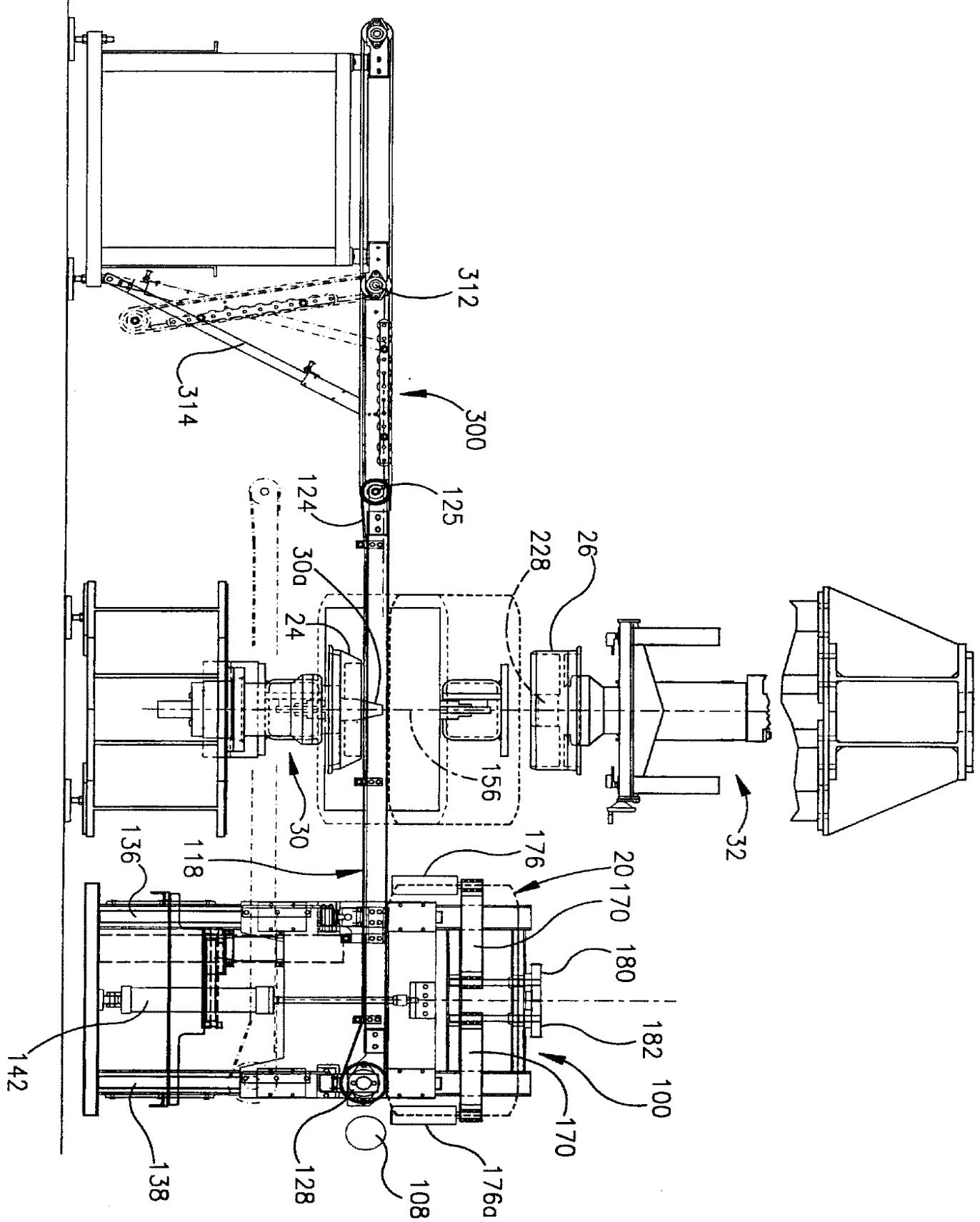
7

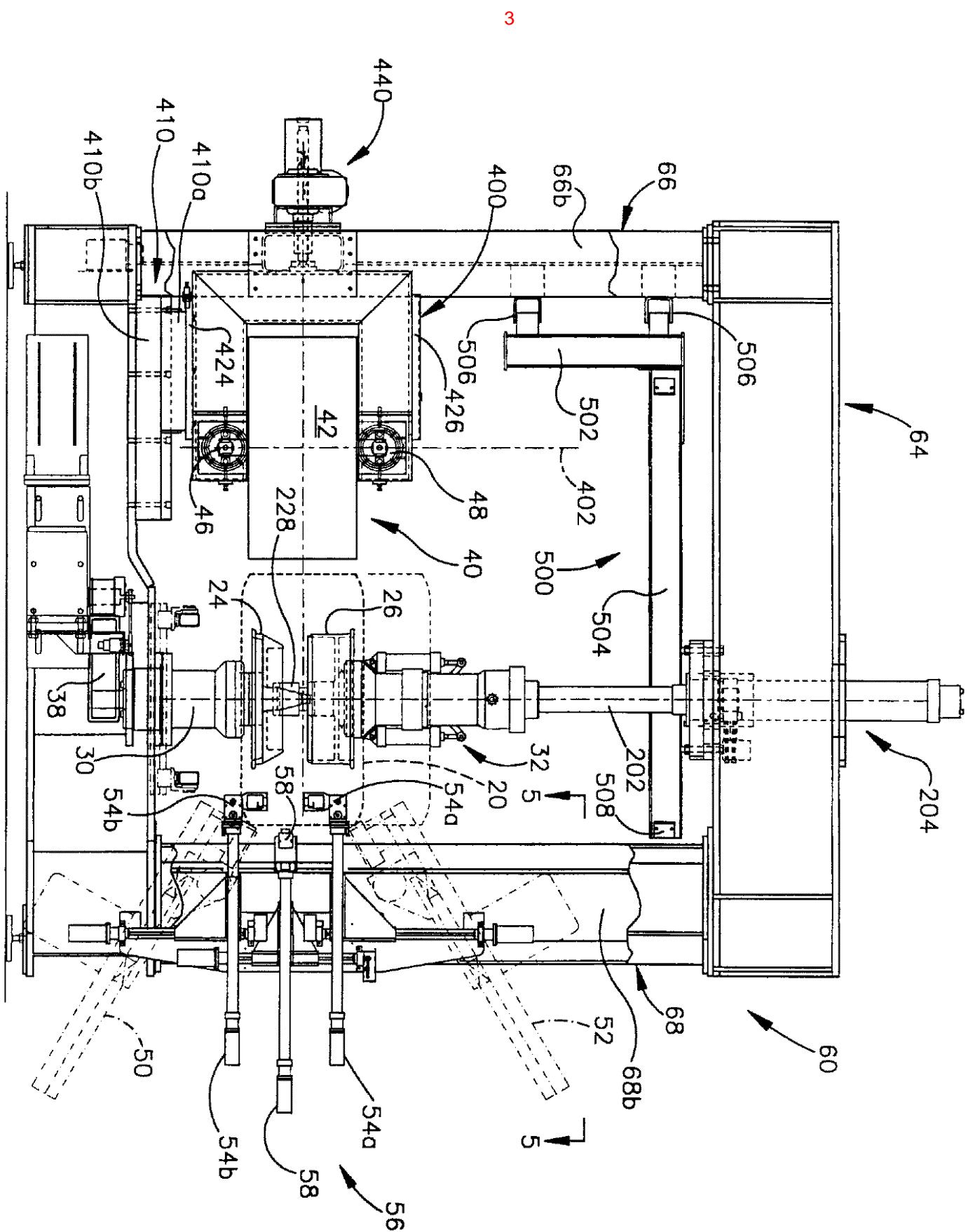
(electrolytic)

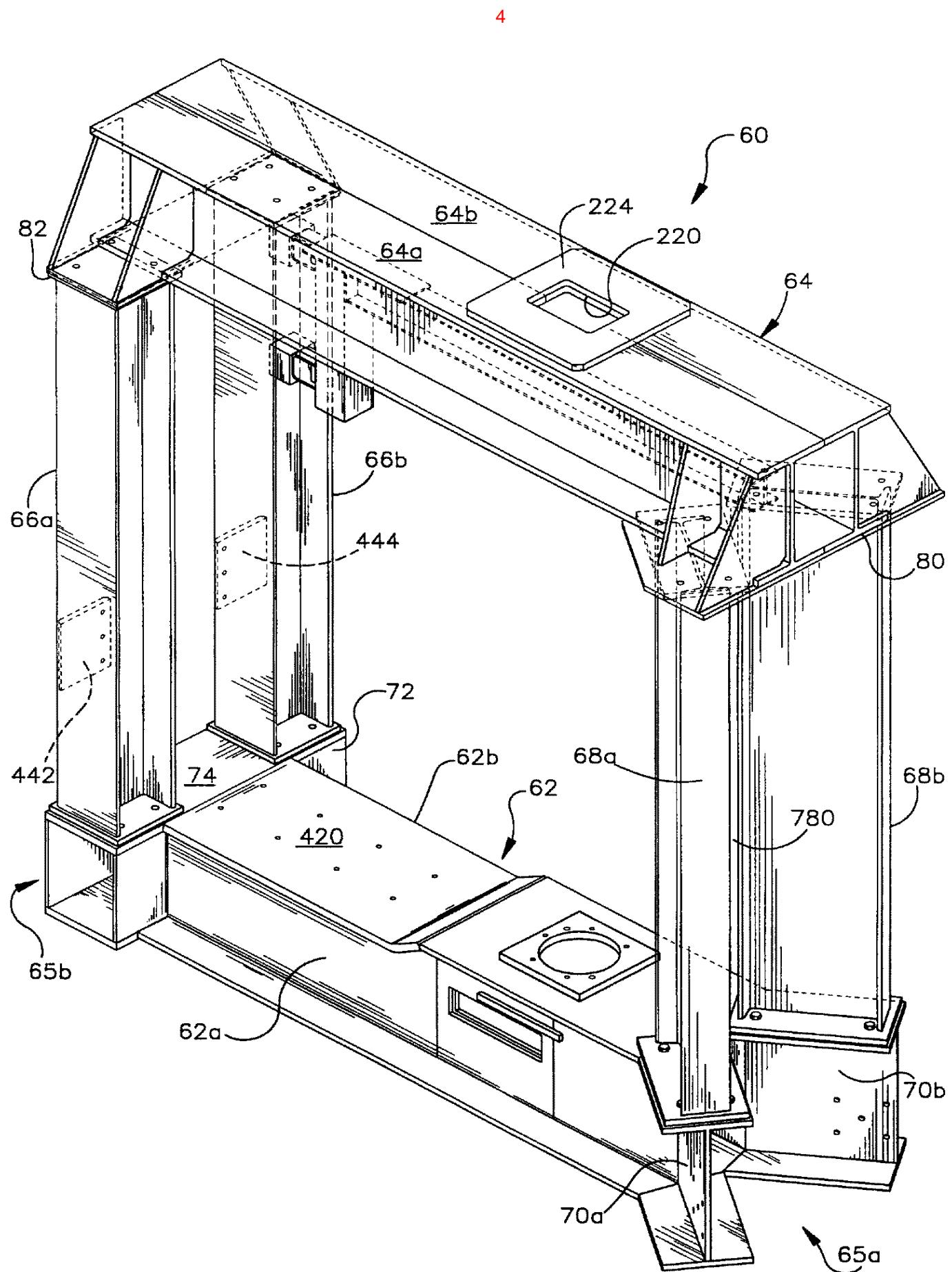
,



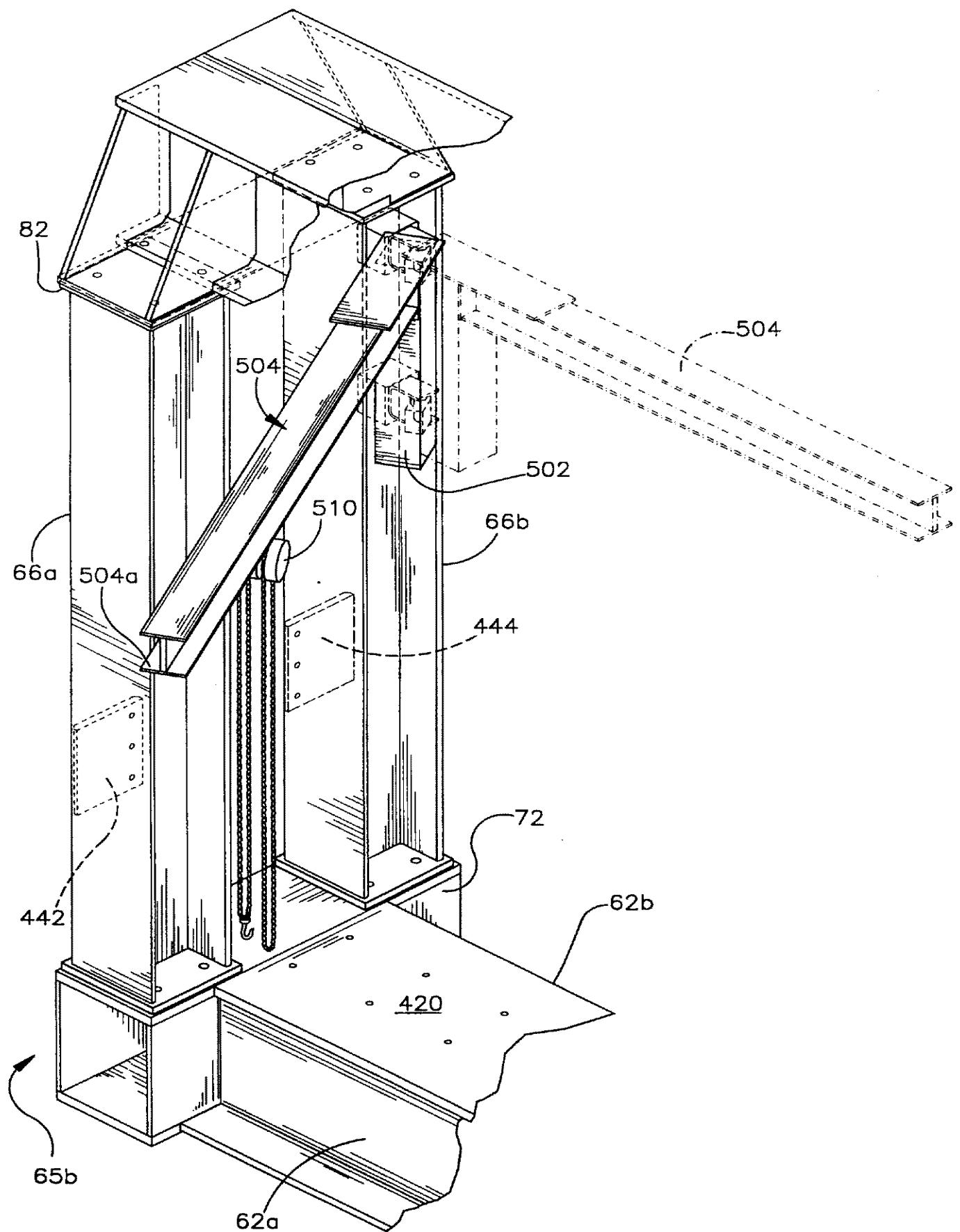
2

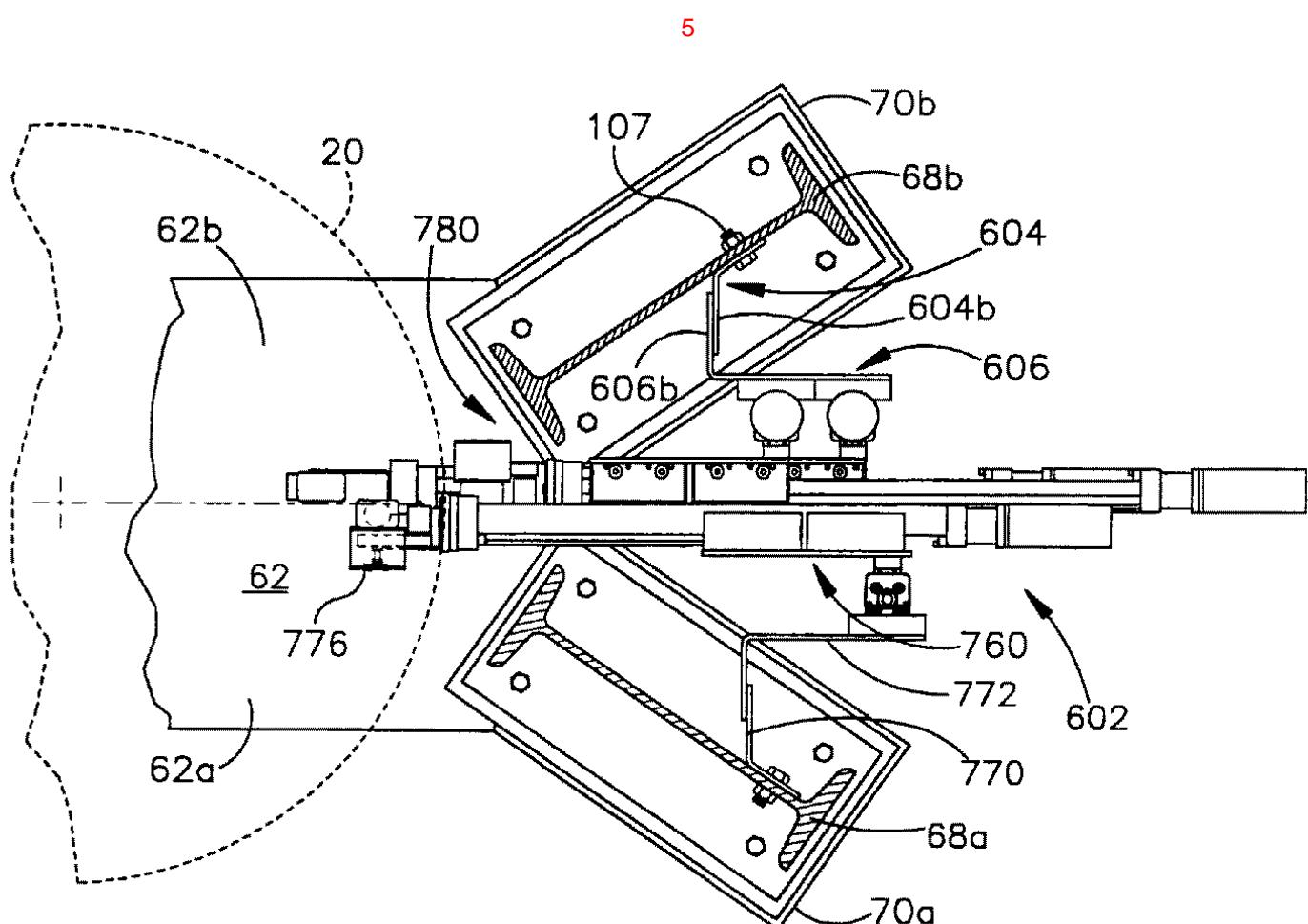




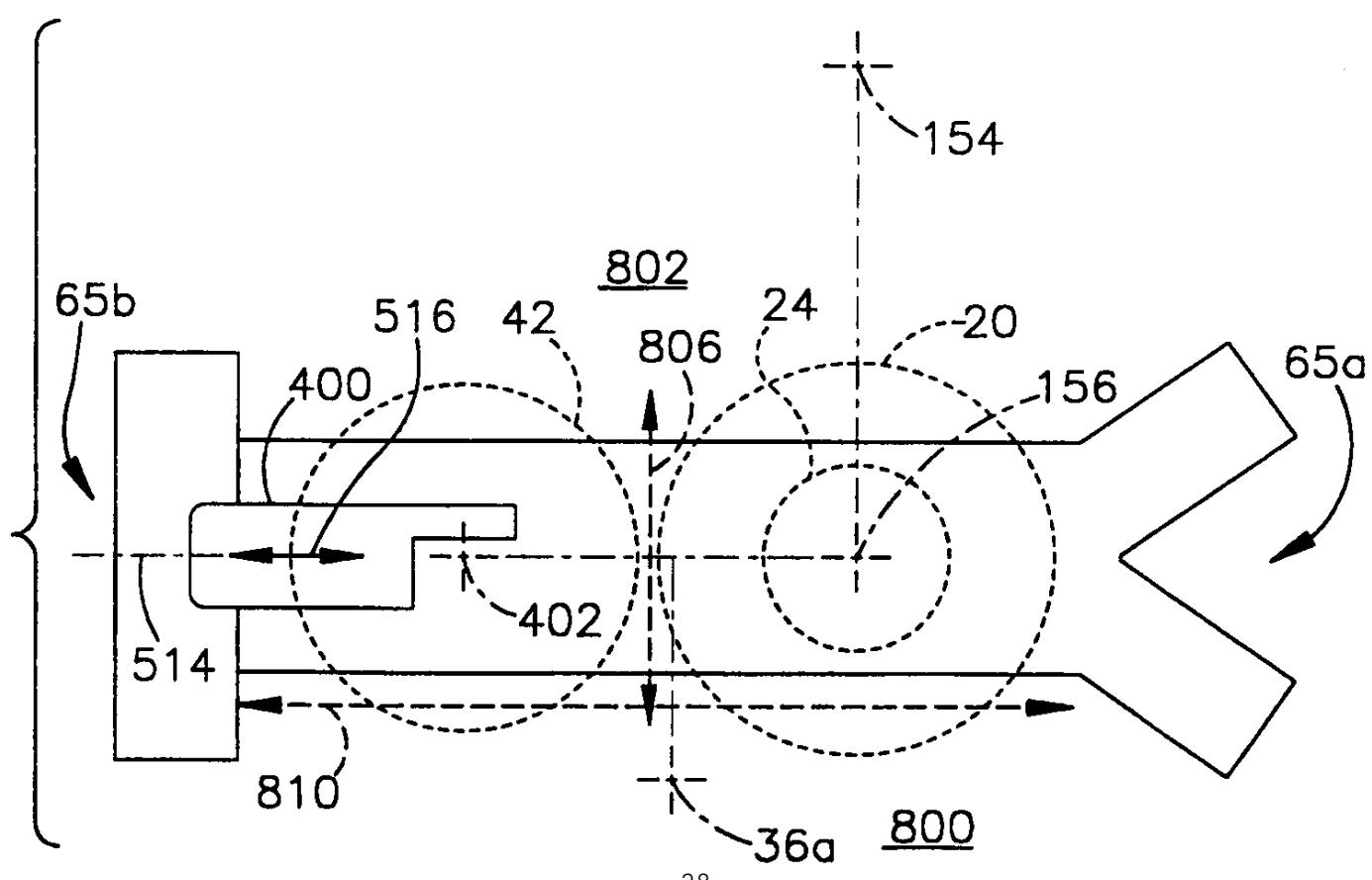


4A

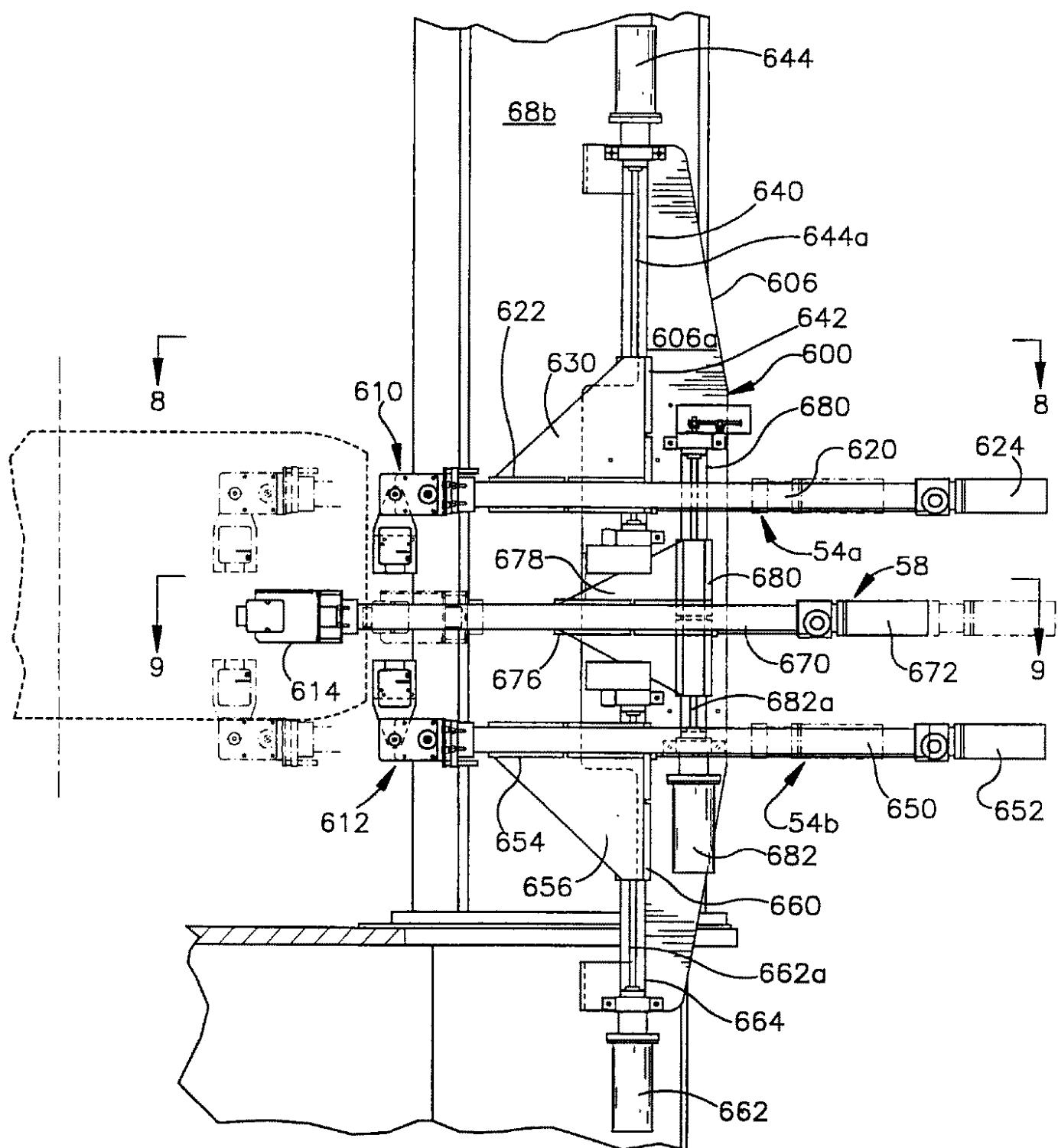




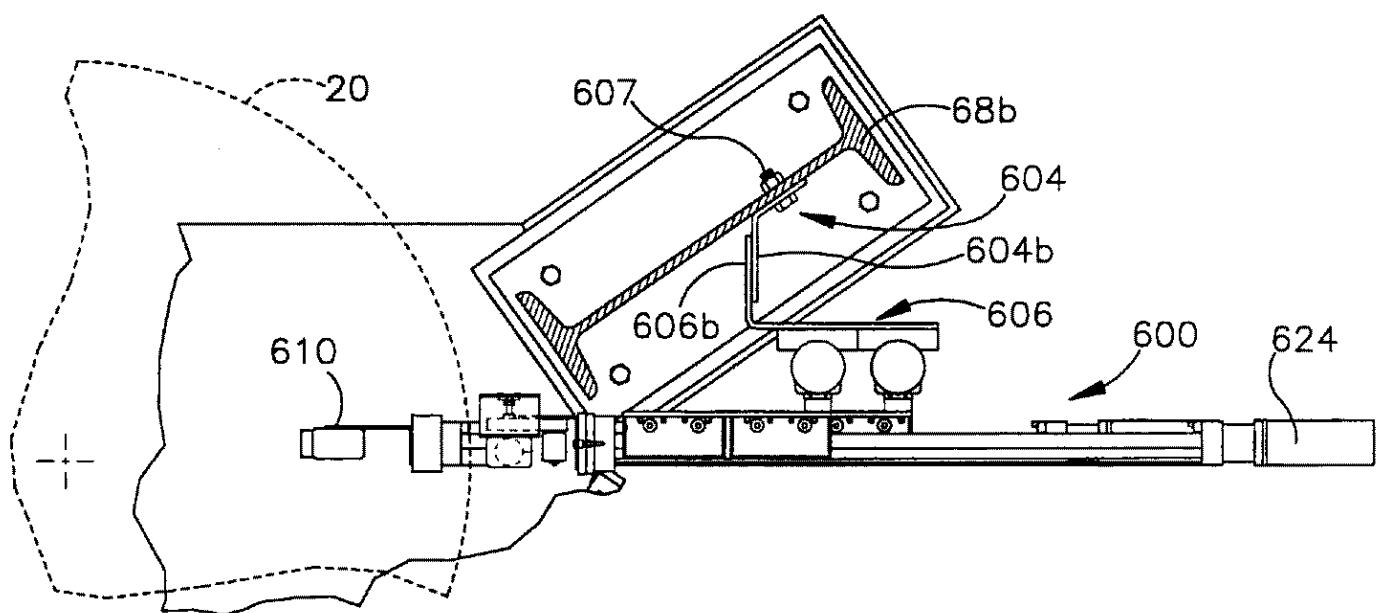
6



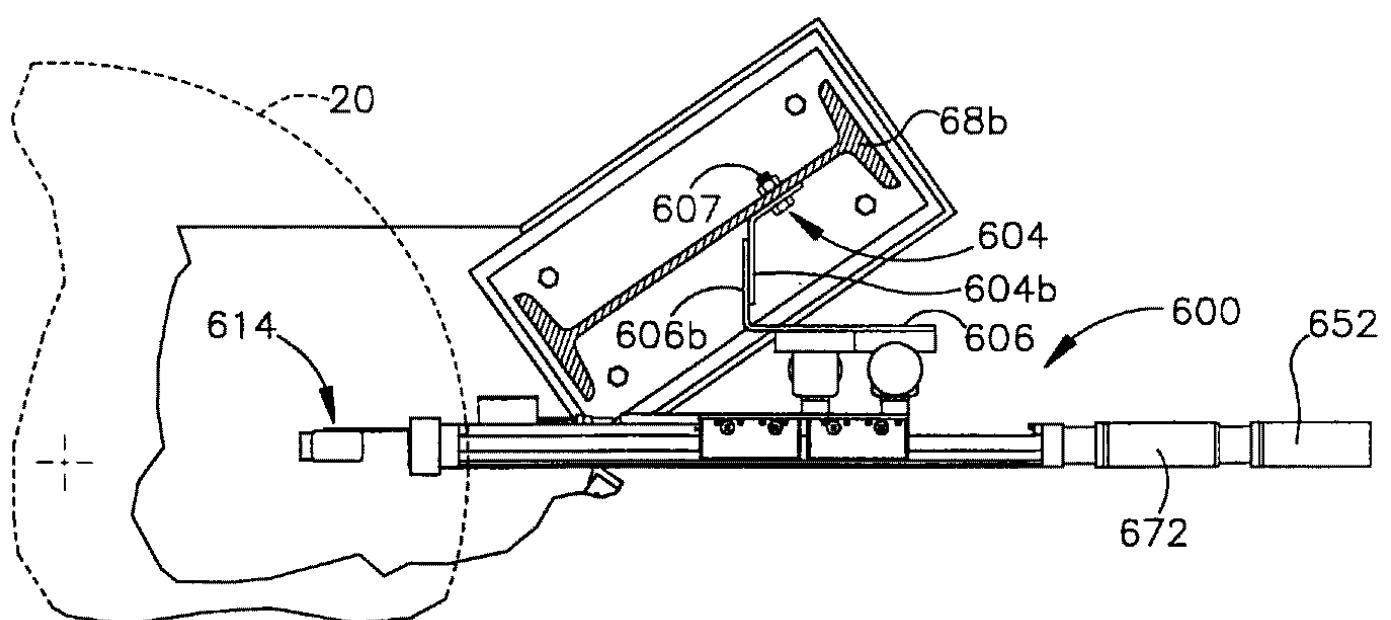
7

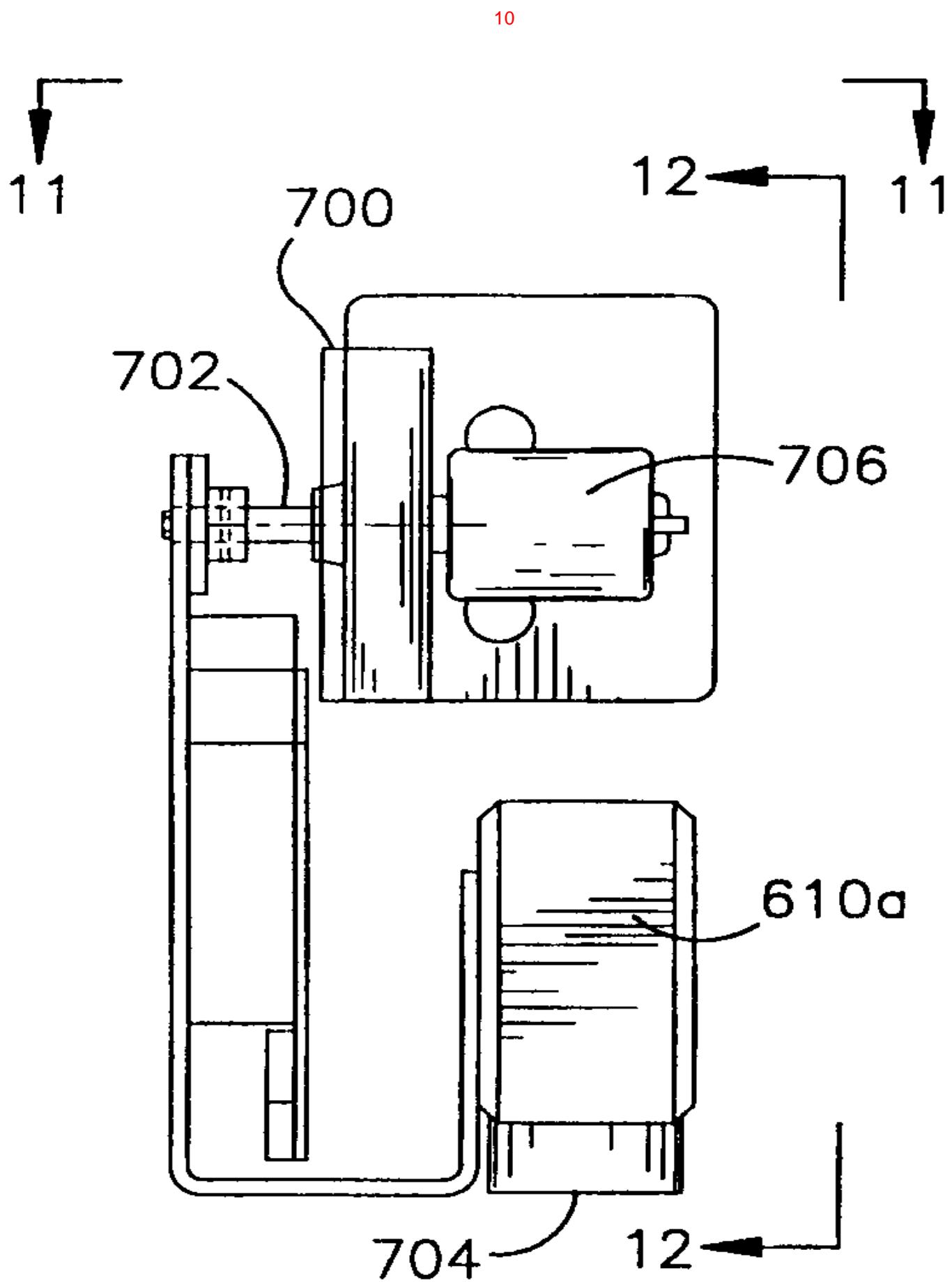


8



9





11

