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(71) , / 7580, 1454

(72) 77815 / 32

77815 33

88074 15

- F67400 - 105

77815 47

77815 / 10

77815 21

77815 8

(74)

(54)

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2 8

9 12

13

13a 13

14 가

15 14 A - A

16a 20b 가

21 3

22 21 B - B

23 24

25 8

26 25 Y

27 X 25 Y

28 W 25 Y

29a 29k

30

31 2

32a 32b 31 C - C

33 가

34a

34b

33

D - D

35

가

가 , 가 (力線) 가 ,

DE 36 14 158

가

가

가

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(力線)

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(力線) 가 가 , 가 .

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가 가

, 10 50mm

가
10 30mm
,

8
가
,

100 300

33% 95%, 50% 91%
1:10

2:1 1:20 . 1:1

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(tongue)

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36

9 24

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3

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가 가 ,
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가 가 ,

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가 , (氣相)
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CVT -

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가

가 ,

가

1 35

1 (1) , (2), , , 가
- (1) (4)
(3) 가 . (4) (5) (4)
(5)
- . (4a)
(5) (6)
(6) (7) , (7) 가 CVT - (8)
, ,
(9)
(10) 가 , (10) (11)
(12) , (throat)

(5) (4) (6) (13)
 (7) (16) 가 (16)
 (14, 15) 가 (14, 15) 가
 4) (16) , (17, 18) (1)
 . .
 7) (18) (19) (16)
 . .
 (13) 가 (13) (16)
 . .
 (13) 가 (13) (20) (20)
 (19b) (20) (20a) 가 (19a) (18) (20a)
 , .
 (19) 가 (20, 20a) (14, 15) (17) (18)
 . .
 (21) (17, 18)

15) (14, 15) 가 , (21) (17, 18) (19a, 19b) (14, (22) 가 (4) (7)

(22) (4, 7) , (17, 18)
 , (14, 15) , \ntriangleright (14, 15)

$$\begin{array}{c}
 \text{가} \quad , \quad \text{가} \quad \text{가} \\
 (14, 15) \text{가} \quad (4, 7) \quad \text{가} \quad , \quad \text{가} \\
 , \quad \text{가} \quad . \quad \text{가} \quad , \quad (17) \\
 14, 15) \quad , \quad (19) \quad (13) \quad \text{가}
 \end{array} \quad (22)$$

가	가 (25a, 25b, 25c, 25d)	가
	(22)	(1)
가	,	(23, 24)
(25c, 25d)		(25b, 25a)
,	.	.
(25c)가	(6), (4a), (4a)	(25b)
	(23) (24)	.
가	,	.
(6)	(25a, 25d)	(16)
(4a)	.	,
(23, 24)	,	(25b, 25c)
(24)	(16)	(6)

- 가 (105) - - - - 가
- 가 (106) (110) 가 (106) (106a)
- ;
- (107) , (107a) , (110b)
(110) .

(106a)	(106c)	(116)	(113)	가
,		;	(106)	
(106b)		(116)	.	(115) 가 ,
	,		(116)	(114)
가	(104)	(122) 가	(113)	(1)
22)	9	13	.	

(116)	(104a)	(113)	(122)	(117, 118)	,
.		(101)		(108a)	
(104e)	(107a)	(118)	(108a)	(119a)	,
(中空)		(107)	.	(107)	(117)
(119b)			(108a)	(107)	(108b) 가
			.	(119b)	(118)

(117)	(118)	가	(116)	,	(
114, 115)	가	(121)	(114', 115')	,	(1
04a)	(104)	(116)	(105)	(106)	(114, 11
5)			(106)	(106a)	(106a)
	(107)	.	(113)	(116)	
가	(106a)	,	(107)	.	
,	(123)	(123)	(123)	(106a)	,
				(123a)	(123a)
		,		(123b)	(123)
			(106a)	.	
(123c)	(123b)	(123a)	,		(123)
a, 123b)	가	.	(123a, 123b)	가	,
	.	가,	(123a, 123b)	가	

(101)	(104f)	(103)	,	(104a)
,	(104)		,	
(104)	,	(103)	(104g)	(107)
	,	(103)	.	
03a)	(104f)	(103c)	.	(1)

가

(206a) (216) (206d)
(223d) (207) (213) (204) (204h)
(223) (215a', 215b') (214a', 214b')
(223) (223a) (223e) (223)
(223) (223b) (206a) , (123)

(216) 가 가
가 ,
(222) (214a, 215a) (214b, 215b)
22 25

(306h)

(323c) (323d) (323e) (323f) (323f') (323g) (323b') (323b) (323d) (323c) (323b') (323a) (323a) (323b'') (323b'') (323a)

5 6 (401, 401a)
(406), (410) (404) (405)
, (416c) (413)가 (416) (406a)
(416b) , (416d) 가 (406a)
,
,

(416) (404a) (414, 415) 가
 (414', 415') . (415) (404i) ,
 (404a) , (404a) , (404i)
 . (414, 415) (416) (404i)
 . (413) X가 (422)
 , X22
 (404i) (404i)
 (404a) 2 (104) ,

4 (413) (401, 401a) 1
401, 401a) (1, 101, 201, 301) (417)
, (413) (417)
(422) (418) , (417)
(418) (413) (413)
, (418) (413) (417)
(406a) (416) (413) 偈
(413) 偈
, (418)

가 가 ,
- (414, 415)

(401, 401a)	가	(427a, 427b)가	가	-	-
가	가	-	,	가	(427a, 427b)
,	가	(427a, 427b)	(404i)	,	
	.		(406)		
(428a)	,	(428a)	5	(406)	
	,		(406)	,	
8)		,			(42)
	,	,			
	(406)	,			
(414, 415)	.	.	(427a)		(406')
	.	.			(428a)
				,	(418)
			(404i)		.
			(414, 415)		.
		.			.
			(401a)	(427b)	(428b)
					(428c)
					(428)
c)가				,	
	(406)	,			
가					

7 (501), (504a)
(504f) (507c) (504) (507c) 가
(507) . (516e) (504a)
(504f) (516e) (504) (504f) (516a) (516a) (516e) (516a) (516)
e) . (506a) (506i) 가 , (507) (516) 가
(516) (513) , (504a)
, (504k) , (504a)
, (504i)
, , , (504a)
(514a, 514b) (514a, 514b, 515a, 515b) (523d) (523d), (530)
(523d) (523d) (523) (506a)
- 3 (223) (516)

	(504n)		(507)		(507c)		(507e, 507f)	
	.				(507c)		(507d)	,
(504l)	(518a)	,	(518a)		(522)가	.	.	(118a)
518)	(518a)				.	(517, 518)		(517,
				,		(501)	(517)	가
	(517)		(504p')	,		(504g)	(506a)	
		(504e)		(504o)	.	.	(517)	(53
0)	(518)	(504r)		(504e)	-	-	-	-
	.		(504m, 504d)		(504e)		(507)	,
,			,		CVT -			
	(504p, 504p')		,		(507c)		(507)	(519a)
			가	.				

(516e) 가 가 (518a)
(522)가 .

(522)

가
가

8 (601) 가 , (601) 1 (101)
, (616) (622) . 가
(614', 615') 가 (614, 615) , (16a) (16b)
. (629) 가 (616) 14 15

9 12 2 (122) X(9) X(12) 9 X(9)
(113) (104k) 가 , (104)
(130) 가 (104) (116)
(114) (116) (115') (115)
(113) (114, 115)
(130) (130)
(130) (113) 가
(130) (114, 115) 가
, (113) (114, 115) 가 (130)
(130) (22, 122)(1, 2) 가
(130) ,

,	(201)	(3)	(206a)		(223d)	.	.
,	(229)	(215a)		(216)	,	(229b)	.
19a	(230)		(229)		(218)		(216a')
,					(216a')		(229)
.	(230a)		(204)	(215b)			.
(229b)				(214', 214'')			.
19a		(229)		19b	(223d)	가	(229c)
.						(230)	(230a)(19a)
		(229)		16a		.	.

20a	20b	19a	20a		(229)	,	.
,				(230, 230a)	(216)		(214')
14a, 214b 215a, 215b)		19a		(229c)	.	19a	20b
				(214', 214'')		(230, 230a)	,
		(229)				(214', 214'')	(230, 230a)

21		(201)			(223d')		.
213d)가	,	(204)		(216a)			.
		(216)	가	.			(204)
		(214', 214'')		(223d')			(223d')
(214', 214'')					(230b)	,	22 B
-B							
(223d'),			22			(214')	
(232a, 232b)				(214'')	(216)	.	(204),
(233a)		(214')			(233a, 233b)	,	(223d')
(214'')		(232b)				,	(214'')
				(217, 218)			(233b)
					(222)	.	
가						가	
2b)	,	(214', 214'')		(232a, 232b)			(232a, 23
	,						(613a, 613b, 613c)

23	24	12	X(12)		(113)		(231	
a)	12			,	(214', 214'')		(
223d'')					가			가
			(213)	,	.		(214', 214'')	
			(231a)	,	(216)		(204)	
	24		가		(213b)			.
			(223d'')			,	(215, 215a)	
(214', 214'')						,		(214',
214'')				(231b)				

25	2	(116)	8	(616)		(616d)	,	(614, 615)
가		(614', 615')			(621)	가		.
.			(122)	(622)		가	(613d)	.
							(617, 618)	.

V X 26 (629b) , 28 (635) Y , 27 26
 가 (635a) , 25 W , (635)
 , (635b) , (616d) ,
 , (635a)
 , (635a)
 . 가 ,
 . 가 ,
 . (613) (635) (629b) . 가 ,
 (635a) . (614') (25)
 (604) (618) (635a) , (635a)
 . 가

가

가 17 20b

29a 29k (636a 636k) 가 ,
 16a, 16b, 19a, 19b, 20a, 20b (214', 214'', 614') (622, 622a, 8 25) 가
 . (636a' 636k') (636a'') 636k'') 25 (622a) ,
 (636a' 636k') (636a'')
 636k'') 29a (636a) (629b, 229b)
 (636a', 636a'') , (629b, 229b) (16a, 25, 19a)
 29b (636b') (636b'') (636c) (229
 (629b, 22b) (636c', 636c'') 29d (6
 b, 629b)

36d)	(636d', 636d'')	,	(636d')	(636d'')
f', 636f'', 636g', 636g'')	가	(636e, 636f, 636g)	29e, 29f, 29g	(636e', 636e'', 636
		(636e, 636f, 636g)	,	
		(29f (636f)),		(29g (63
6g)),			가	
		(636e')	,	
e'')	(29e),	가	29h	29i (636h',
636h'', 636i', 636i'')				
	가 (636h, 636i)		(636h', 636h'', 636i', 636i'')	
29j	(636j', 636j'')	가 (636j)	,	,
	(636j)			(229b, 629b) (16a,
25)				29j
	29k		(636k, 636k'')	가 (636k)
	,	(636k')		
	,		(604)	(616)
30	(722)	(722) 가	(701)	
	(722)	(713)		
(713)			(716) (704)	
	(706)	(716)	(713)	,
03)				(737) 가
	(706)			,
(737)	(737b)	,		
f')		(704f)		(704) (704)
			(737c)	
		(737b)	(738)	
			,	(738)
	(741)			(741)
	(737)	(739, 740)	,	
(739, 740)		(706a)	,	(742, 743)
	(719b)	,	(704)	(719a),
		180 °	(706)	
704)		(742)	(743) 가	(706a) (741)
			(741)	
(740)		(743) 가	(741)	
(704)			(737b) 가	(739)
(743)			(706a)	
		(742)		(739) (743)
	(713)	(704)	(706a)	(742)
			(742, 743)	
(706)	(705)		(704)	(706a)
	,		가 가	
	(713)			(714, 715)
	(742)			(744)
(742)		,	(745)	
		(718)		(744)
				(706a)

31	32b	32a	2b	C - C	30	31	3
,					(837)	가	(837)
1					(816)	(816)	.
30	(737)				(804)	.	(837)
16)	(804)		,		(814')	(816)	(8)
	가				.	32가	(837)
				(839a, 840a)	(839, 840)	.	
(816)		(839b, 840b)		(839c, 840c)	.	(839a, 840a)	
	(837c)	가		(838)	.	가	(837b)
					(837)가	.	
		(839a, 840a)					

32a (822)
 , (118)(2) (830) (838) -
 (841) , 가
 (838) (841a) (830)
 (117, 22)
 (840) 32b (830a)
 839, 840) (830a, 830) , (839) (830) , (840) (830a)
 32a (830a) (841) 32b (830)
 (830a) (840) (841)
 (841a) 32a (841)
 , (804, 816)
 813(31) (838)

33	(914', 915')	가	(913)	가	(901)	,
	(901)	2	(101)	.	(901)	(9)
16)	,	.	.	.	(951)	(904)
,	,	(950)	.	(950)	,	
,	,	(951)	.	(950)	.	
,	,	가	.	.	.	(952)
(904)	,	.	.	.	.
,	,	(950)	(951)	.	(913)	
.	34b	.	.	(904)	(950)	D - D
.	.	(916)	(904)	.	(951)	(904)
(952)	,	.	.	.	.	34a
	(904)	.	.	(950)가	.	(9)
53)	,	.	(918)(33)	,	(917)	
	
	(914)	.	(913)	.	.	
50)	(951)	.	.	.	.	(9)

35	(1001)	,	(1001)	1
	(22)	가	(1013)	(1014', 1015')
	(1015, 1014)	(1013)	(1061)	,
	(1060)			(1004)
		(1014, 1015)		(1016)
				(1062)
	(1004)	,	,	,
(1064)	가	(1063)		(1065)
				,
	(1065)	,	,	
	(1004)	,	가	가
1063a)	가	가	.	(1004h,
	,		.	
	(1065)		.	
		(1061)	.	
			.	
	가		.	
		,	.	
	가		.	
		,	.	
	(1060)		.	
			.	
	(1062)		.	
			.	

가

가

가

가

가

가

가

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가

가

(57)

1.

가

(力線)

가

가

가

2.

(力線)

가

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16.

1 15 , ,

17.

1 16 , ,

18.

1 17 , , 가
가

19.

18 , ,

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20.

18 19 , ,

21.

1 20 , 가

22.

4 21 , ,

23.

22 ,

24.

22 23 ,

25.

22 23 ,

26.

22 25 , 가

27.

22 26 , 10 400 , 100 300

28.

22 27 , 가 10mm 50mm , 10mm 30mm

29.

22 28 , 가 0.3mm 0.15mm

30.

22 29 , 가 0.2mm 20mm , 0.5mm 1mm

31.

22 30
가 2:1 1:20 , 1:1 1:10

32.

22 31 , 가

33.

22 32 ,

34.

33 ,

35.

33 34 ,

36.

18 20 , 33 35 , ,

37.

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38 , , , ,

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37 39 ,

41.

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42.

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, 가

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가

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45 48 , ,

51.

45 50 , ,

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53.

51 52 , 가

54.

51 53 ,

55.

51 54 , ,

가

56.

45 50 , , , ,

57.

45 50 , , ,

가

58.

- 56 57 , 가 가
- 59.
- 56 58 ,
- ,
- 60.
- 56 60 , 가
- 61.
- 60 , 가
- 62.
- 61 , 3 36 , 9 24 가
- 63.
- 61 62 , 가
- ,
- 64.
- 45 50 , 50 62 , 가
- 65.
- 57 64 ,
- ,
- 66.
- 57 64 ,
- ,
- 67.
- 65 66 ,
- ,
- 68.

67

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70.

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71.

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72.

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75.

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76.

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77.

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78.

1 77 , ,

79.

1 78 , 가

80.

79 ,

81.

79 80 ,

82.

79 80 , 가

83.

79 82 ,

84.

79 83 , 가

85.

79 84 , 가

86.

79 85 , 가 (對流) 가

87.

86 , (對流) 가

88.

77 87 , 가
 (氣相)

89.

1 88 ,

90.

89 , , 가

91.

89 90 ,

92.

89 91 ,

93.

89 93 ,

94.

93 , (外車)

95.

1 , 가 ,

96.

95 , 가 ,
)

97.

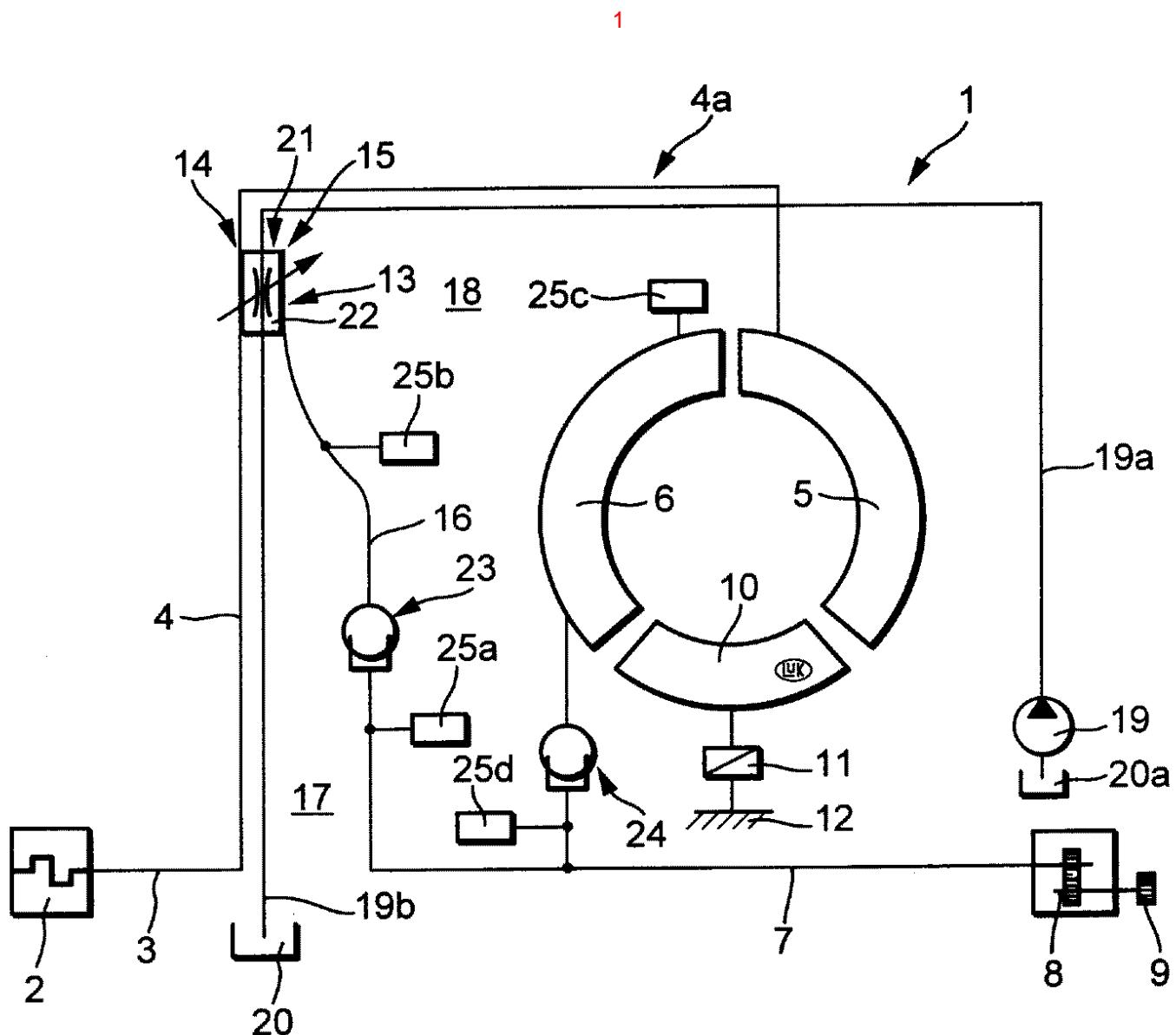
- 96 , 가 가
- 98.
- 96 97 ,
- 99.
- 95 ,
- 100.
- 99 , , ,
- 101.
- 100 ,
- 102.
- 99 101 ,
- 103.
- 104.
- 103 ,
- 105.
- 103 104 ,
- 106.

103

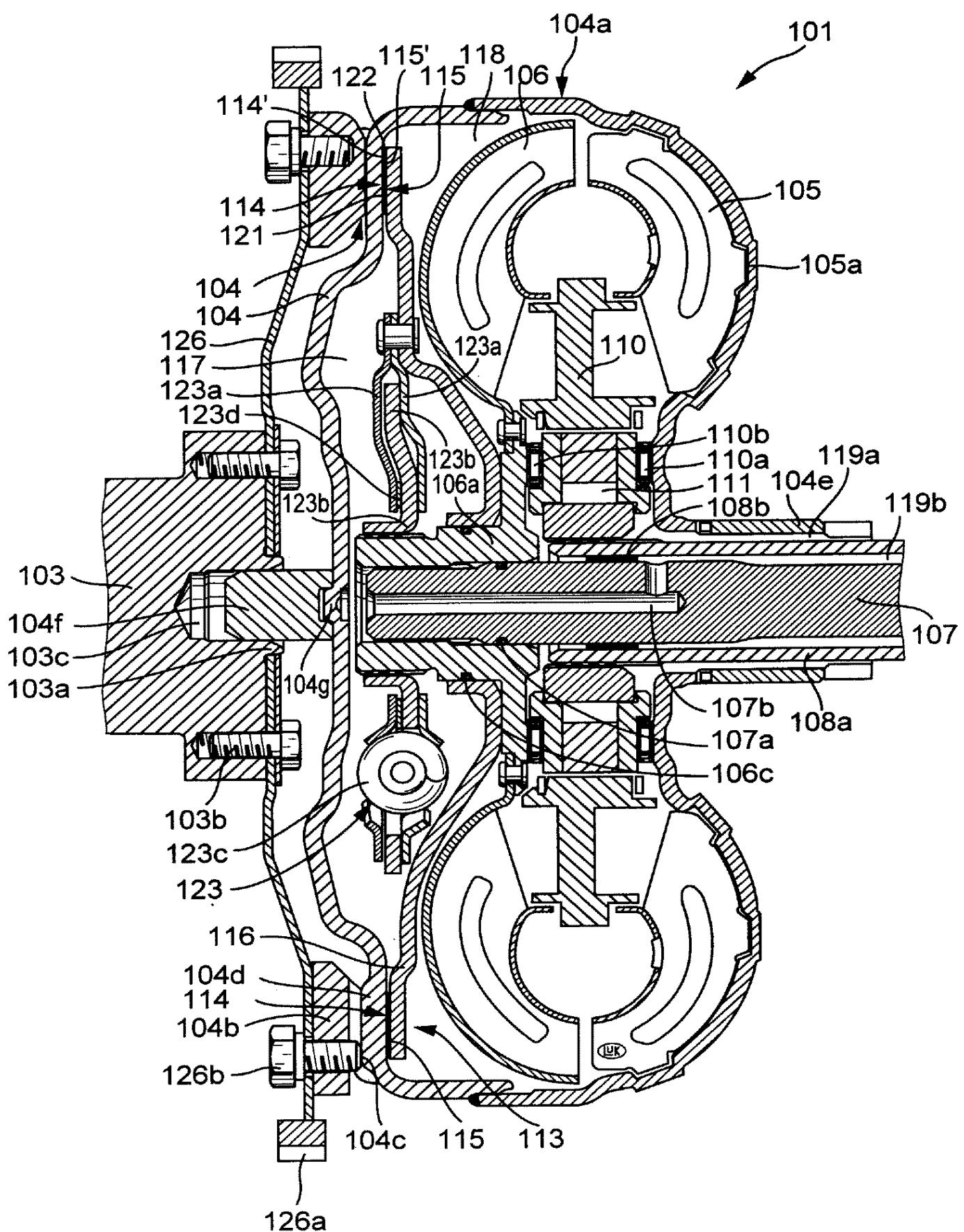
105

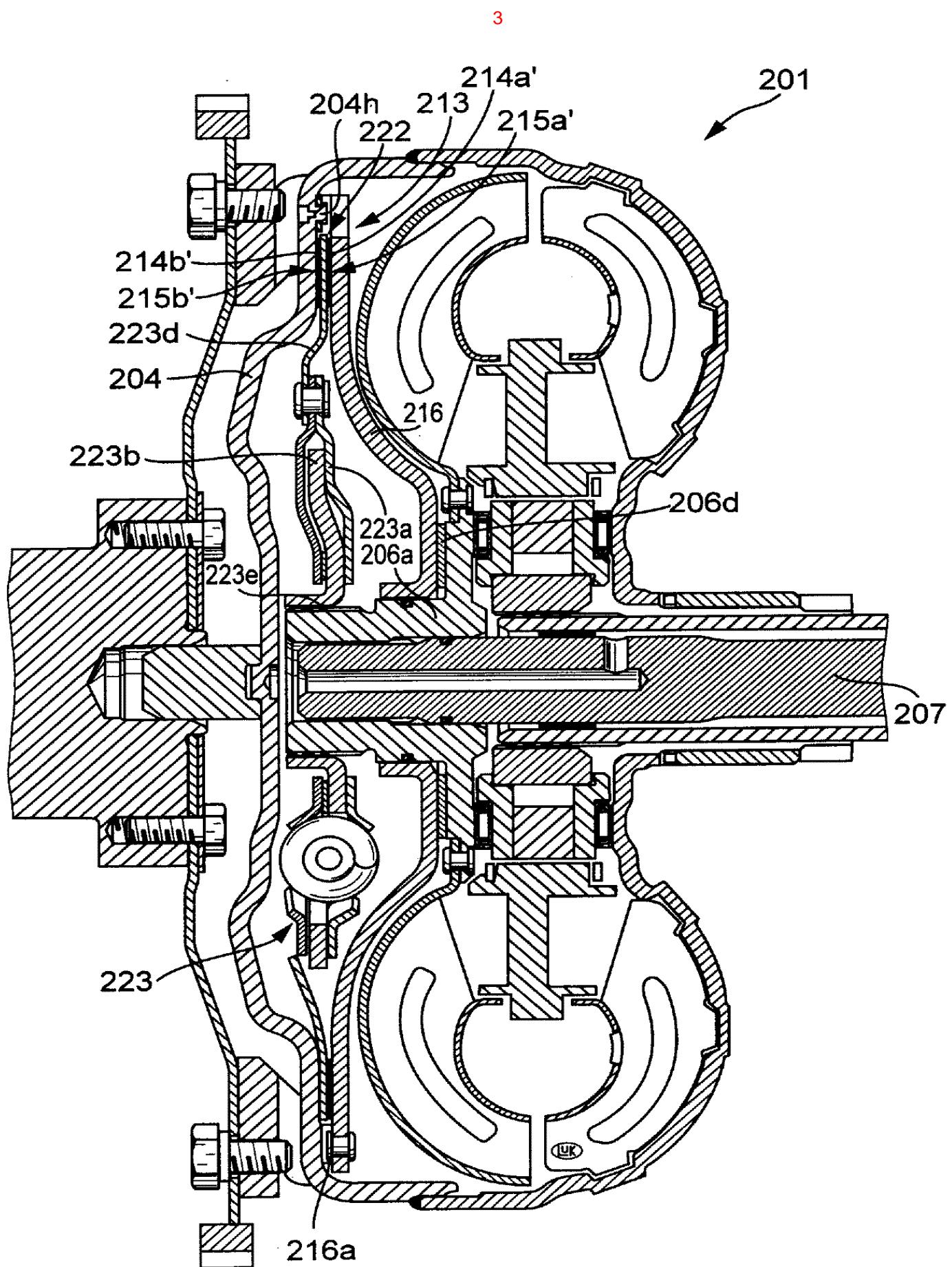
107.

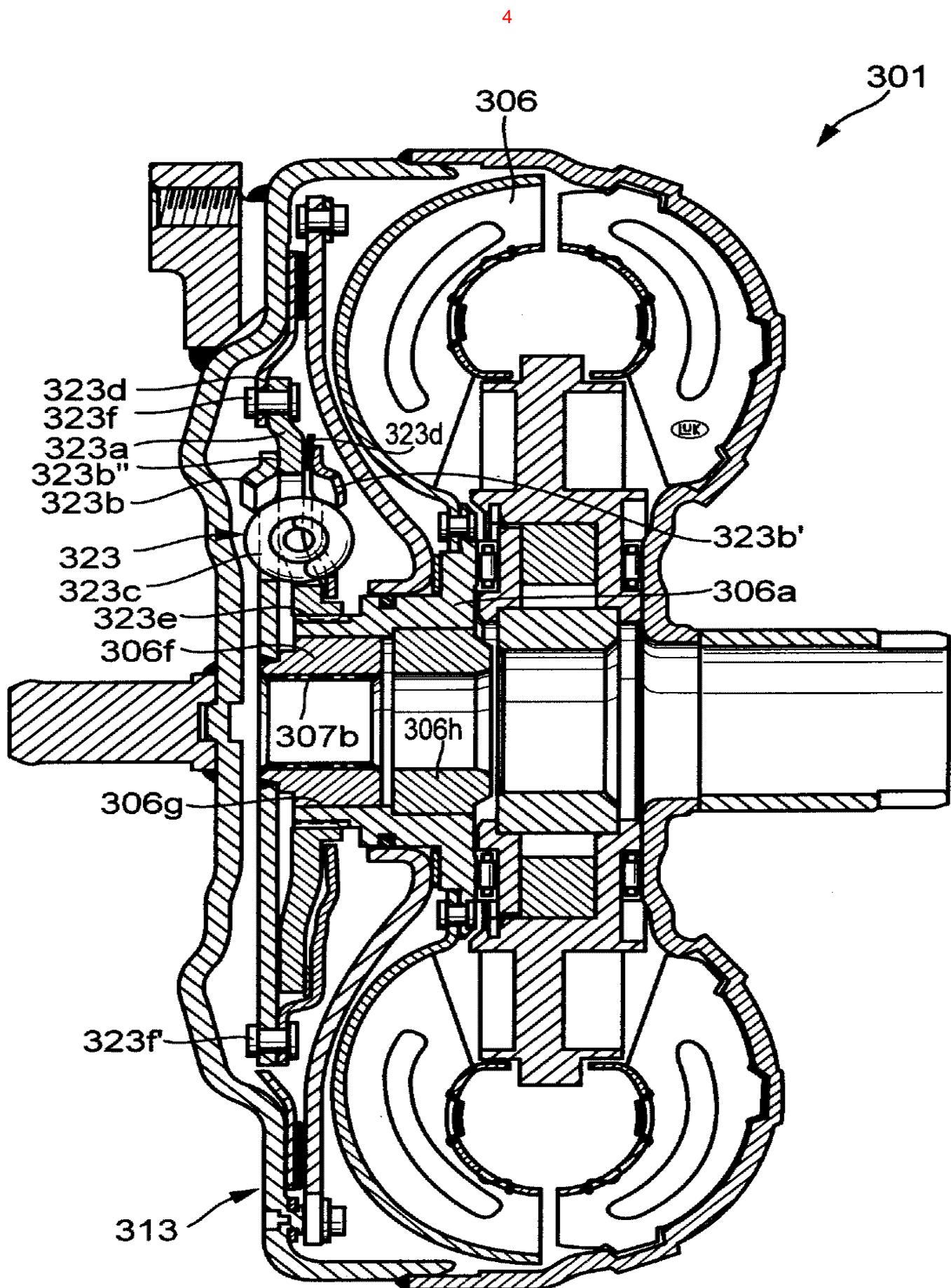
가

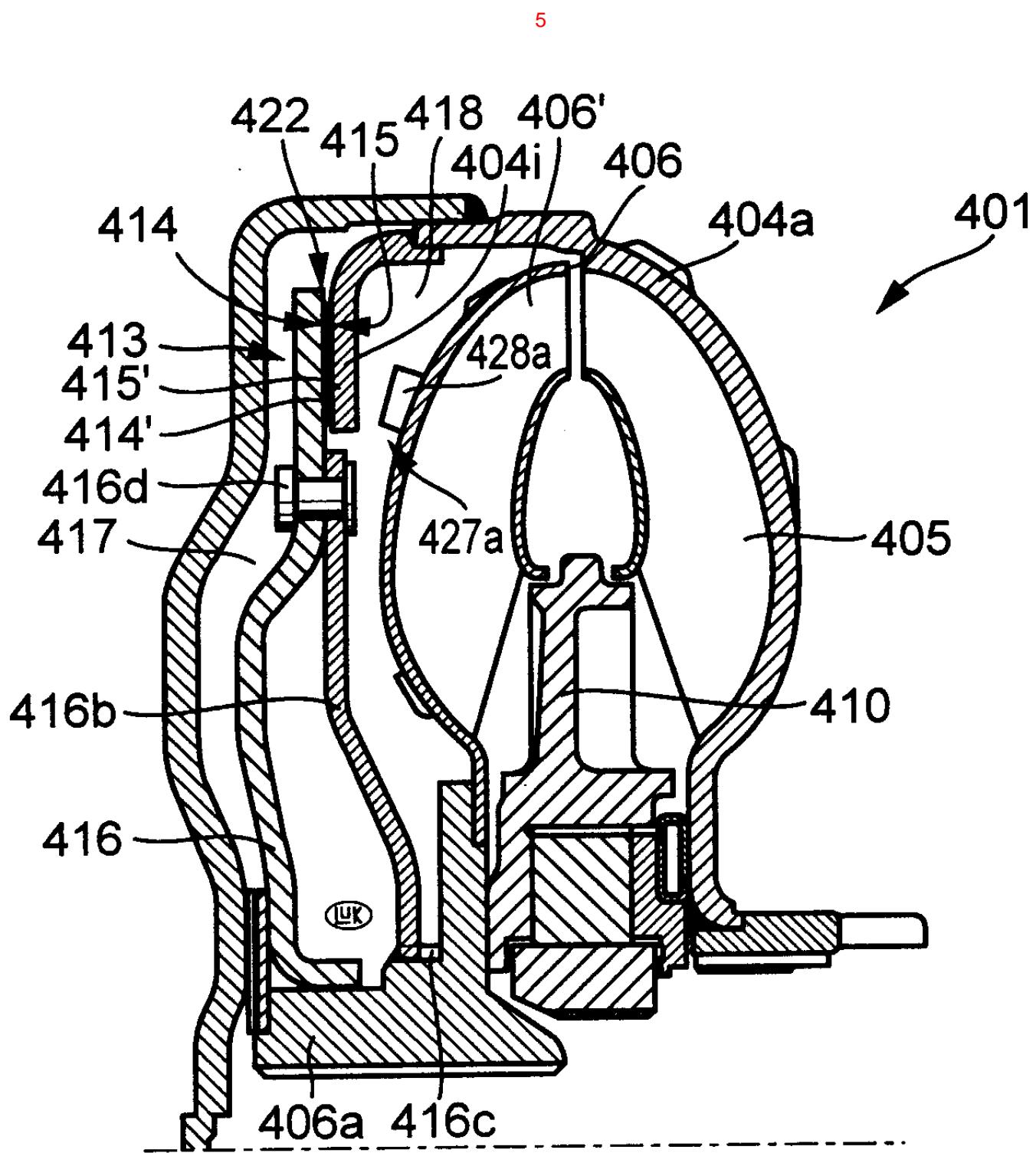


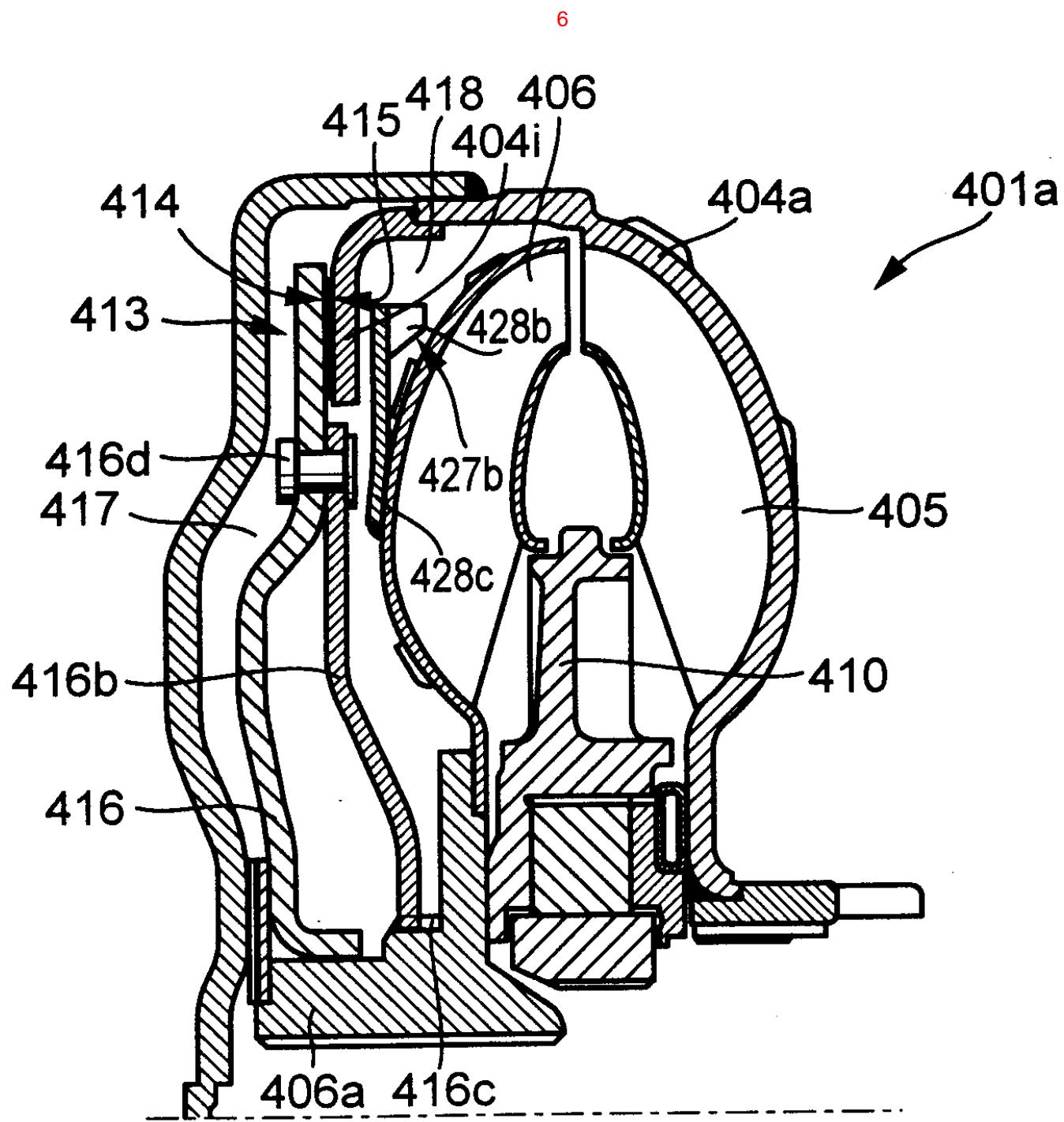
2

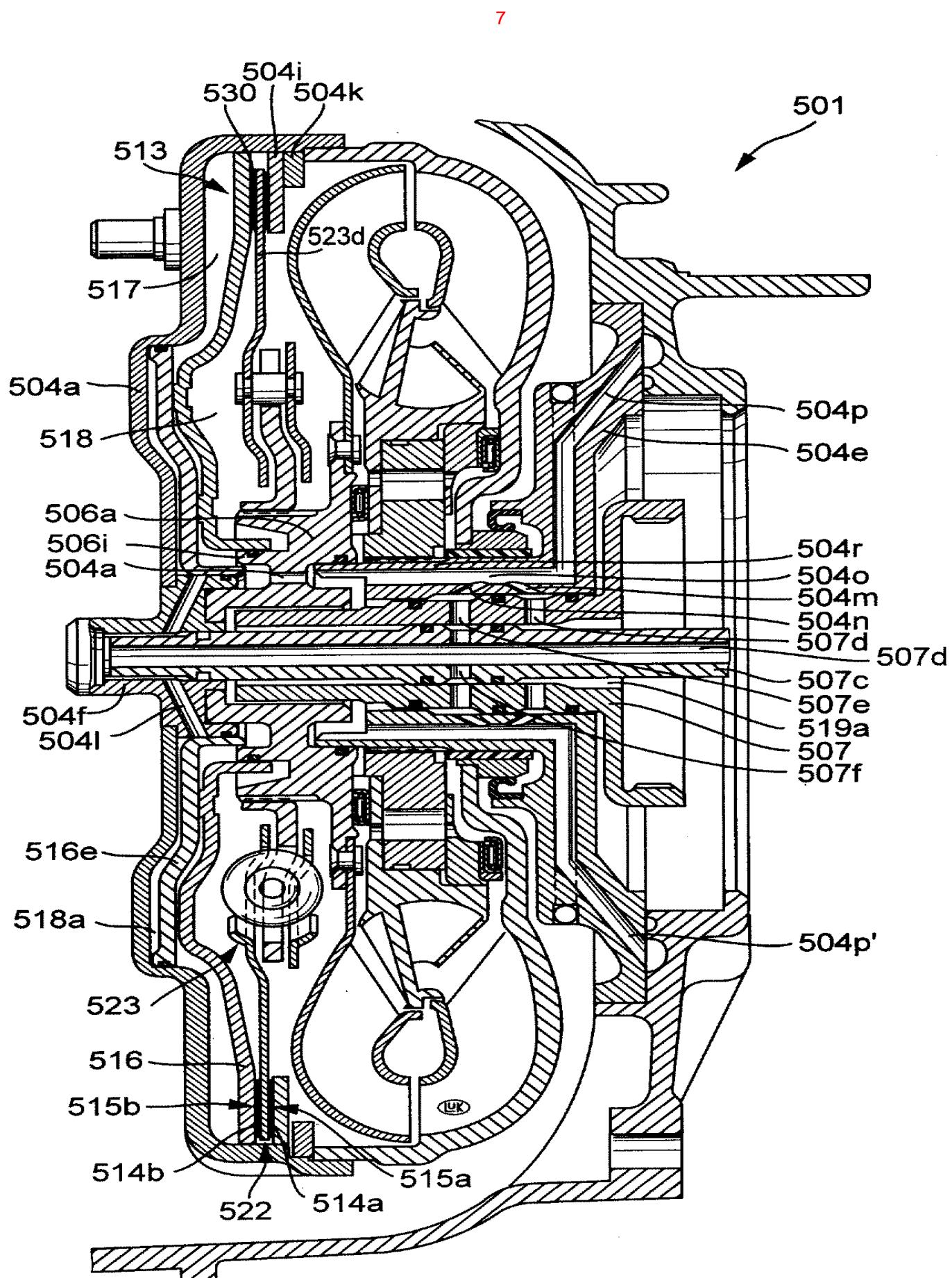


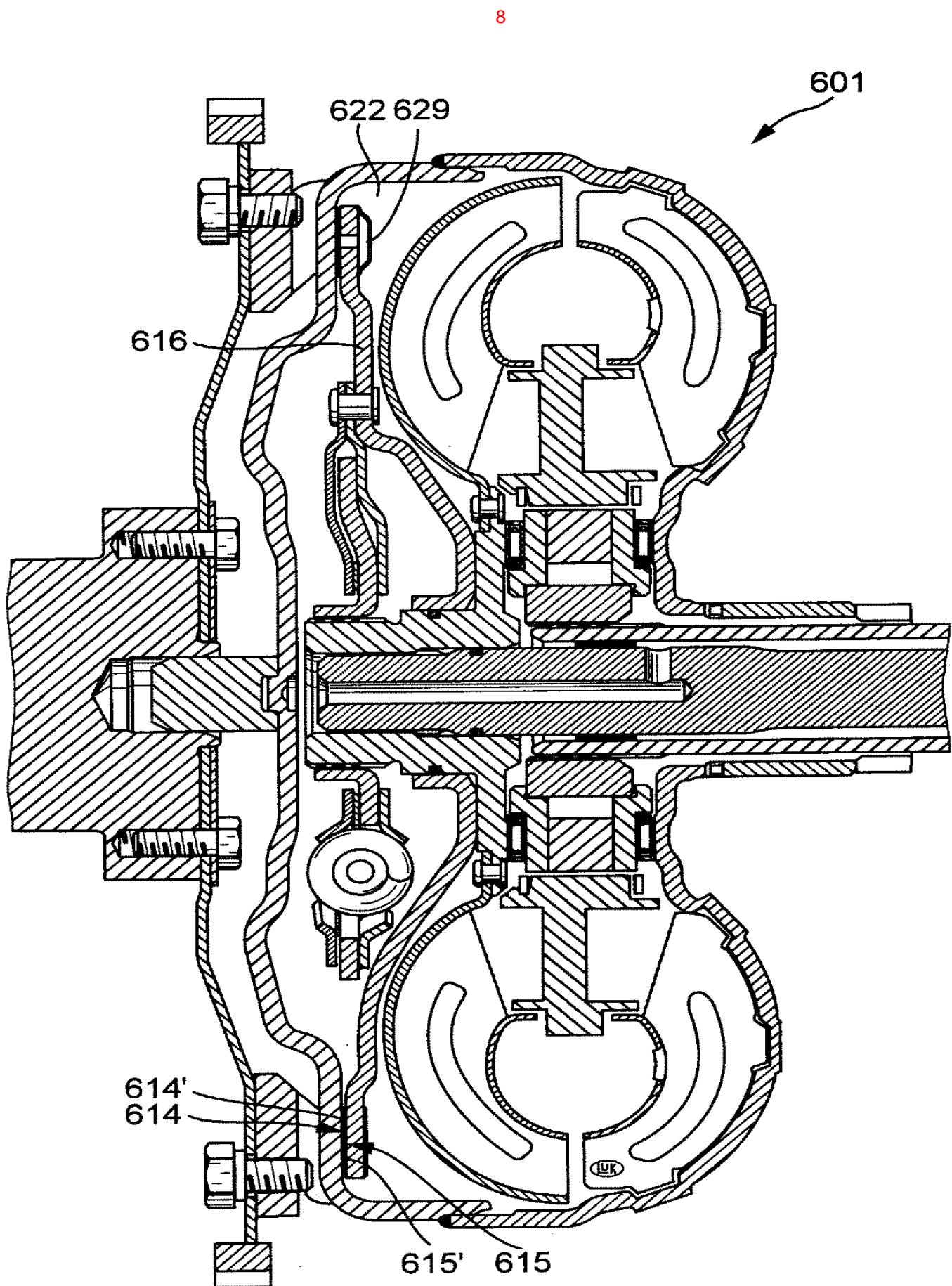


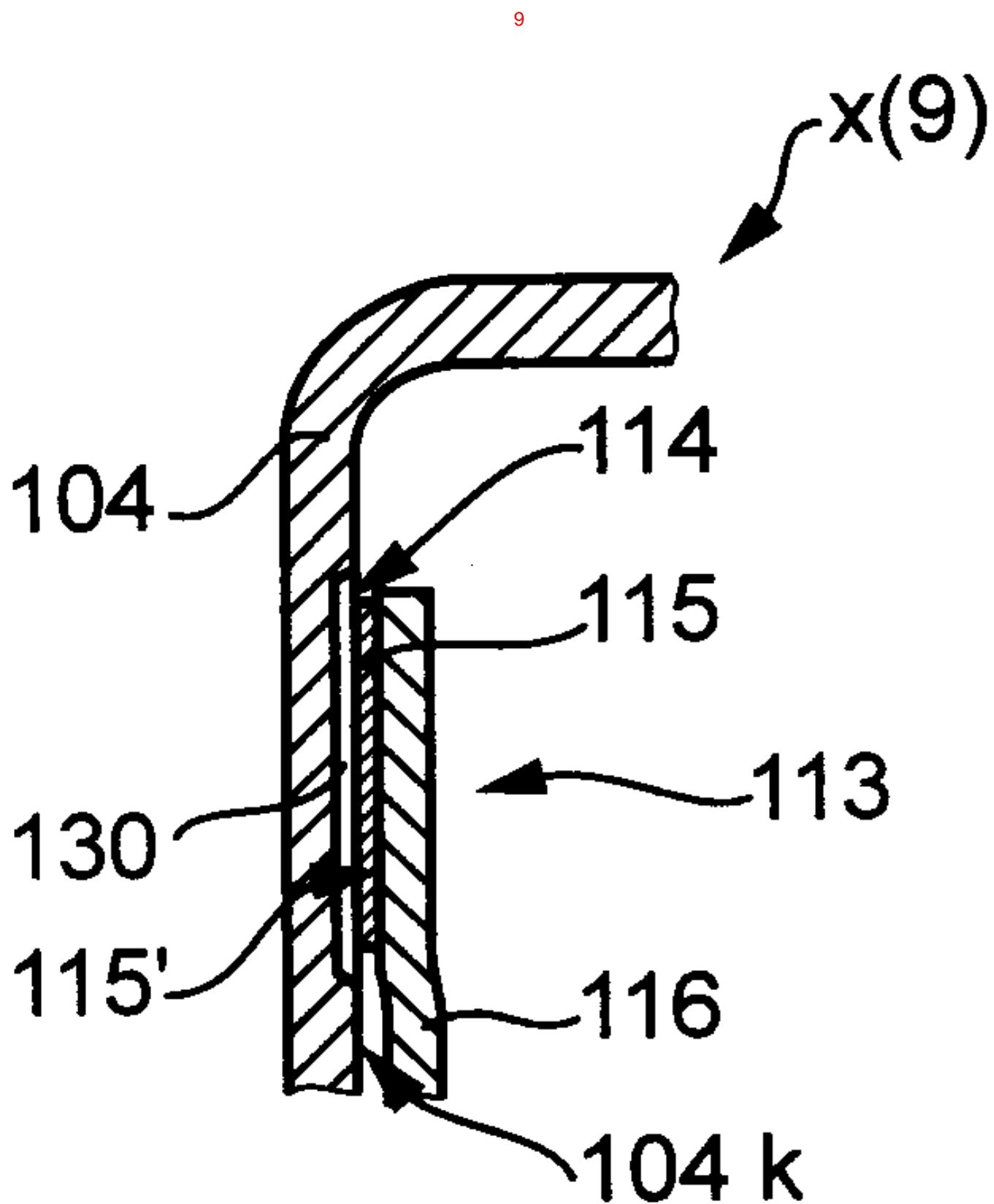


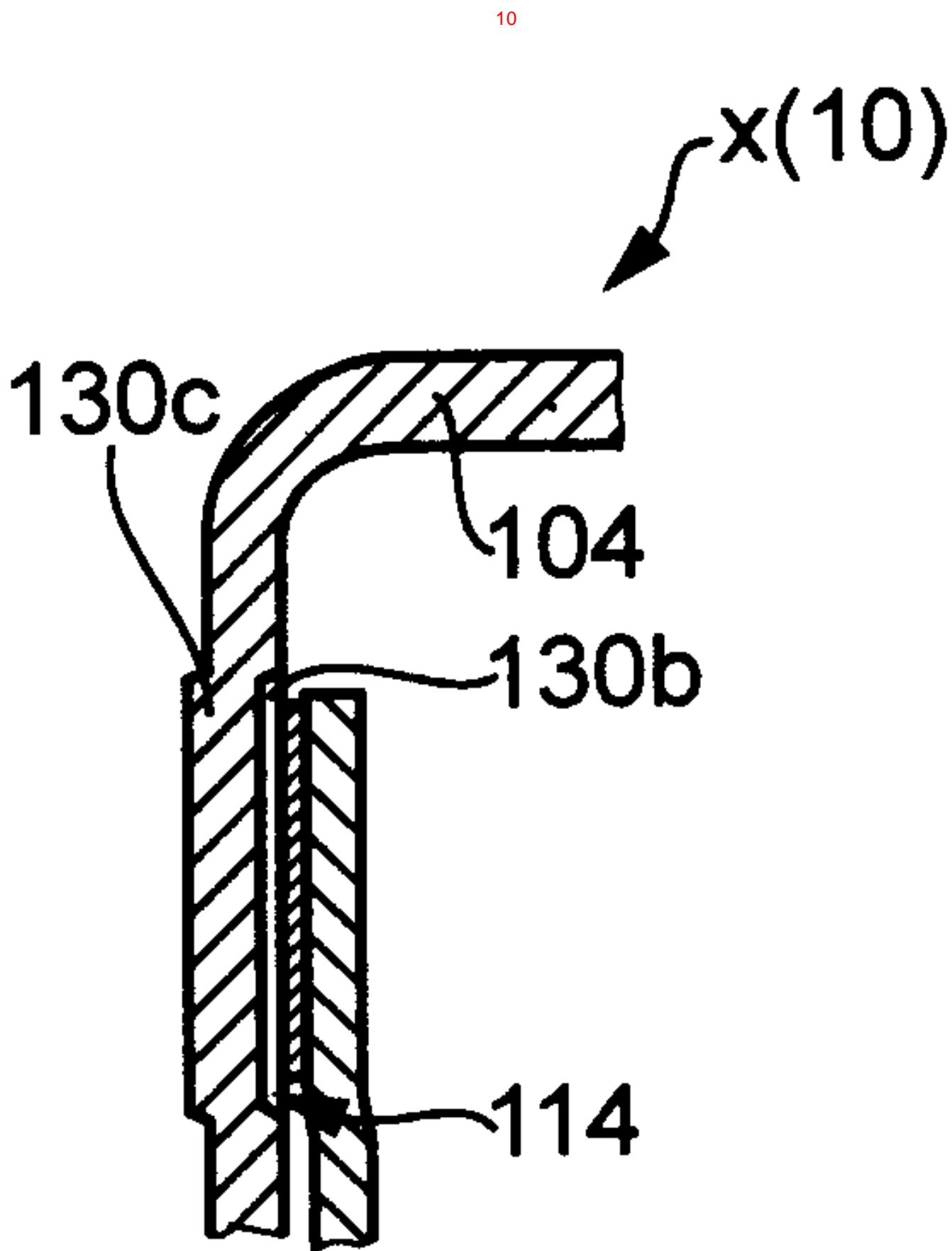


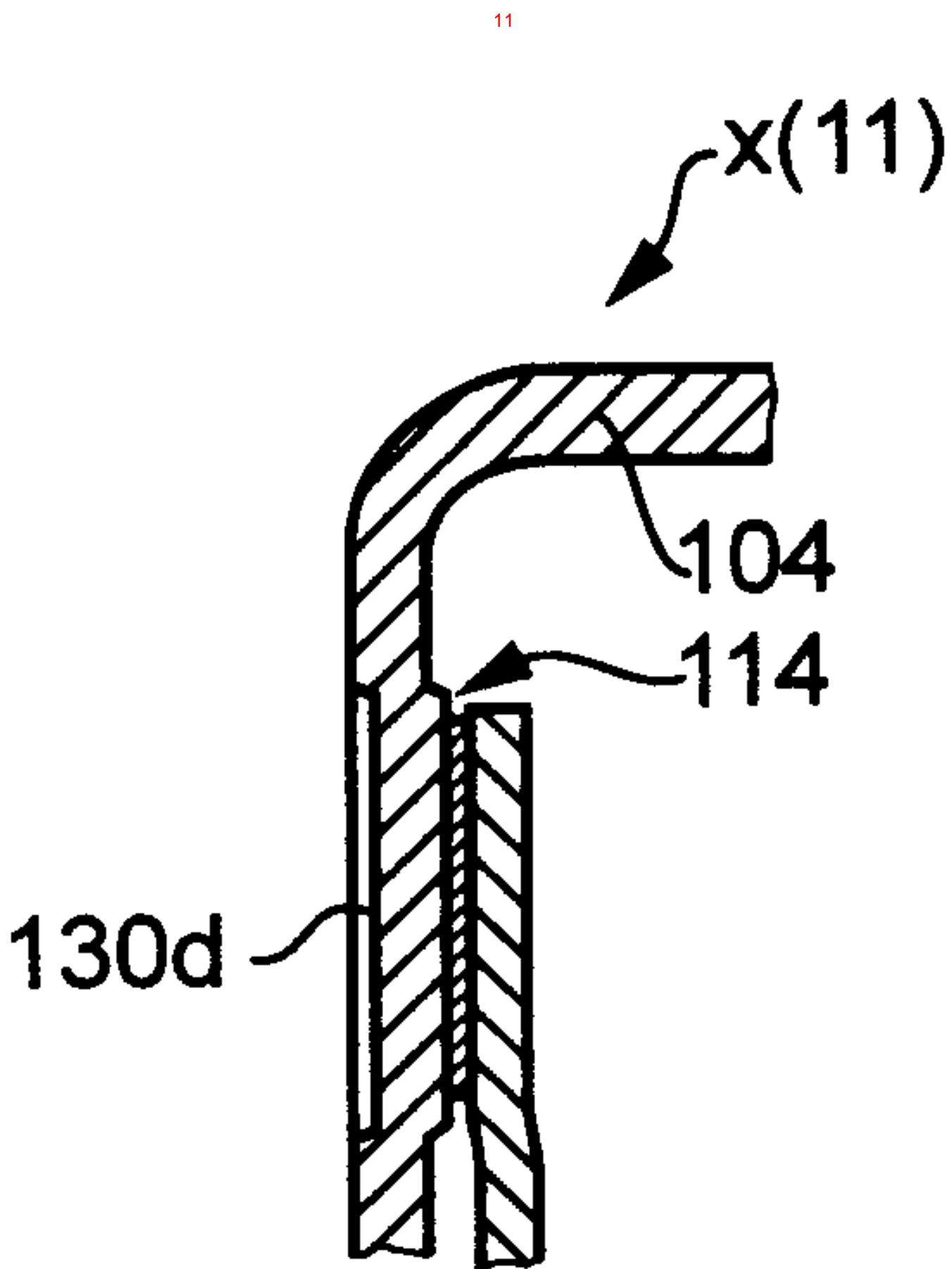


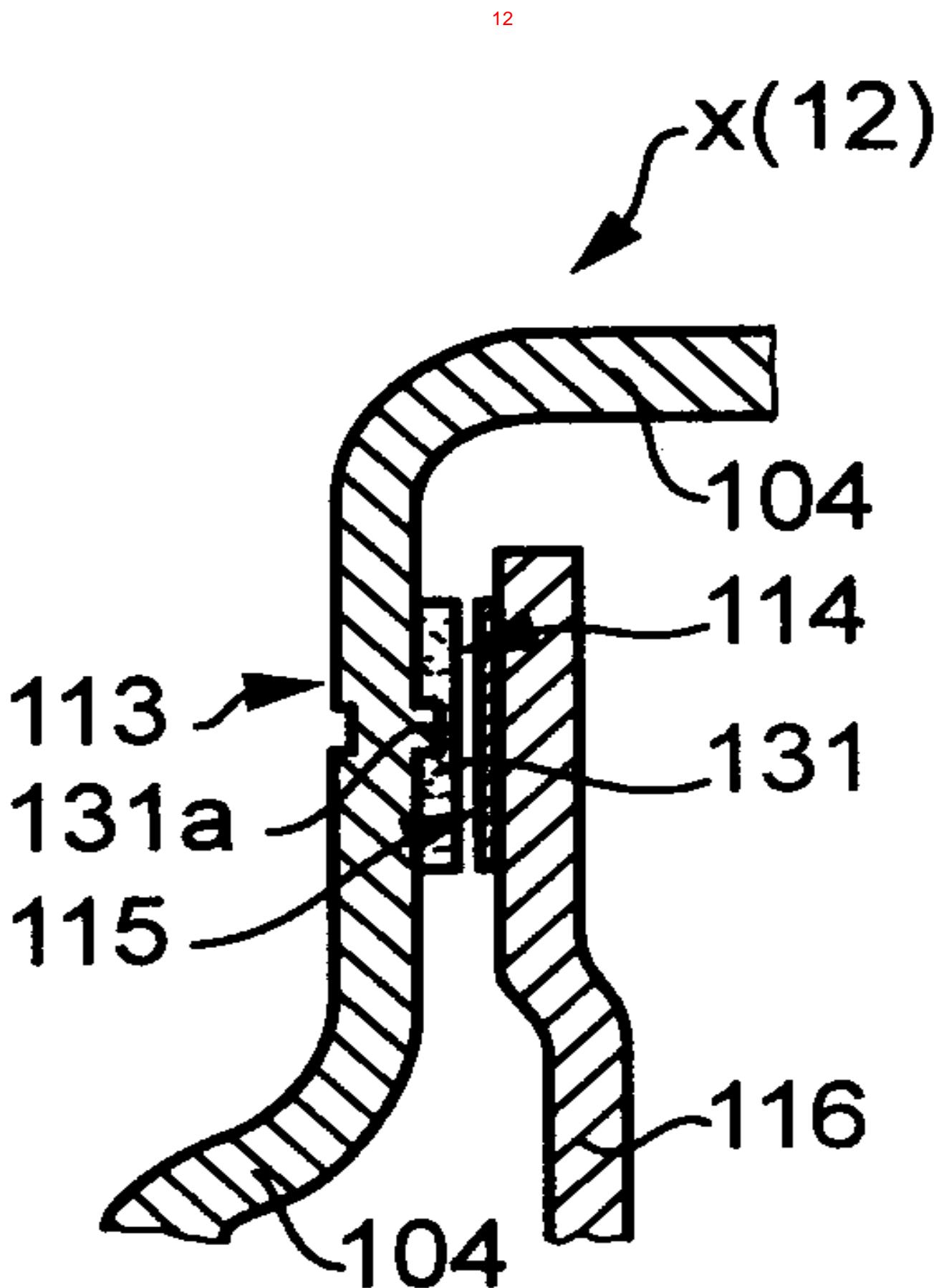


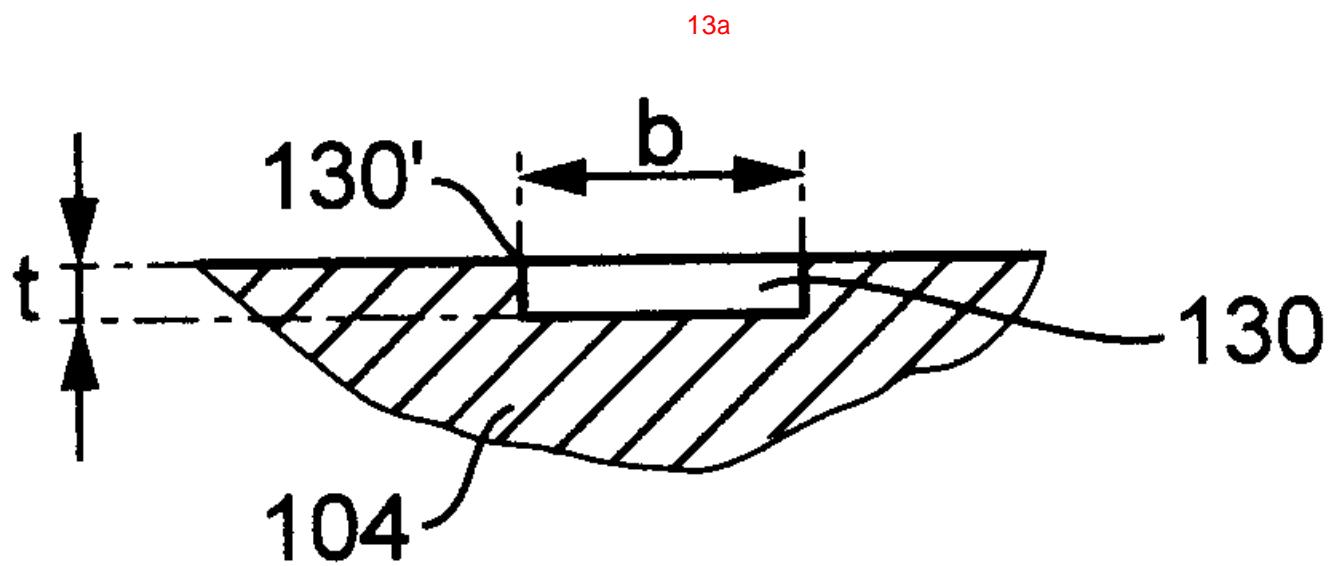
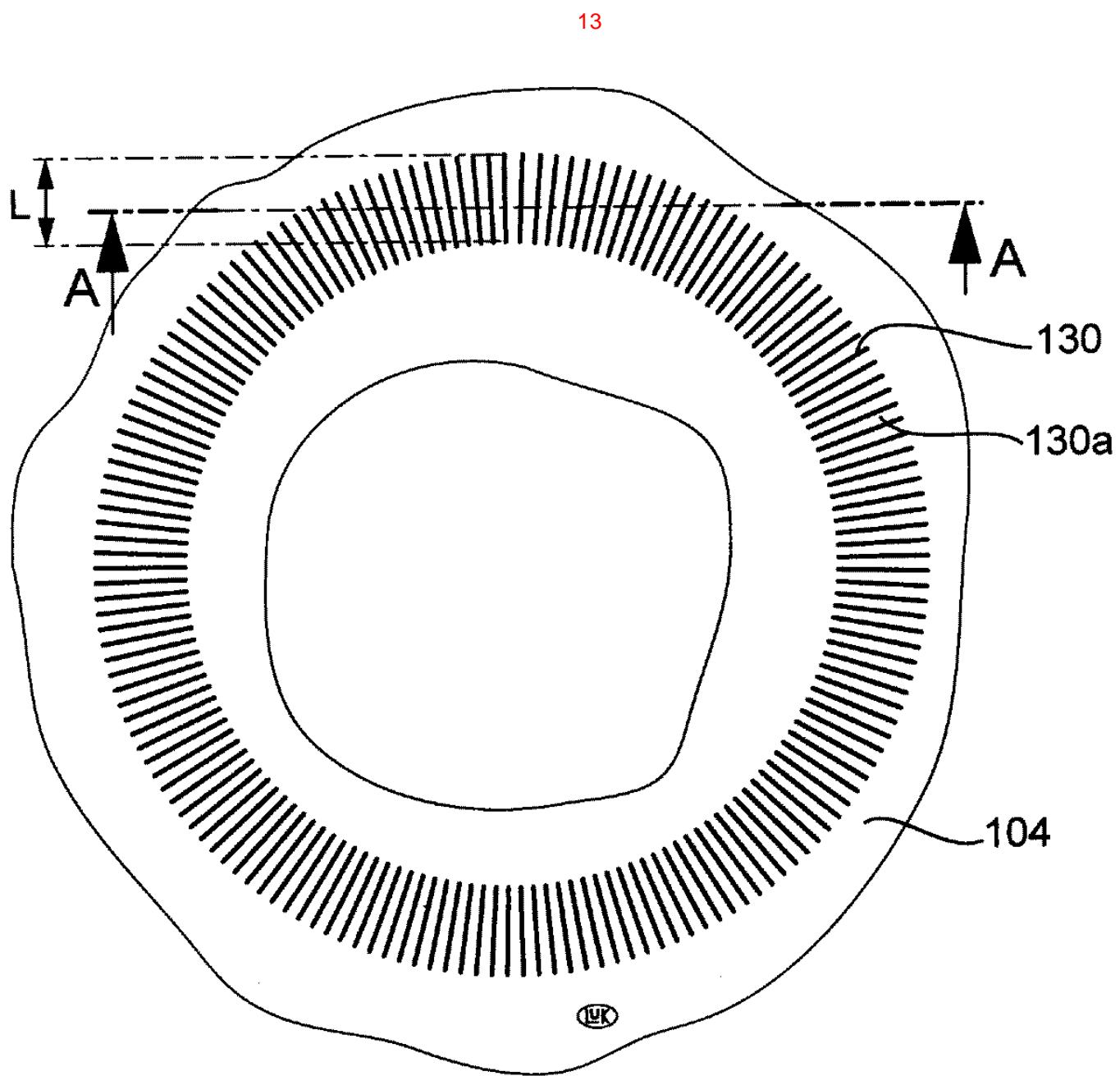




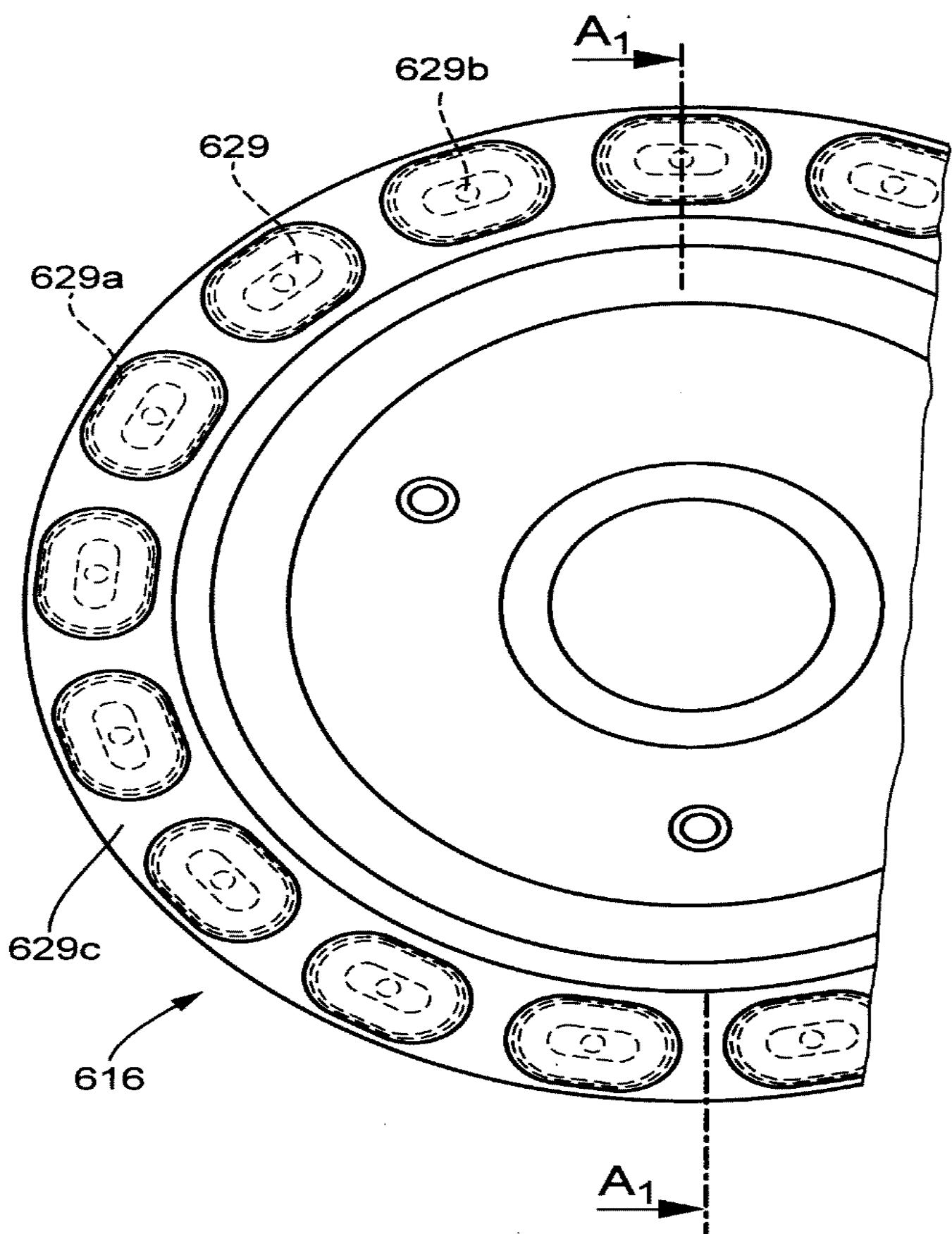


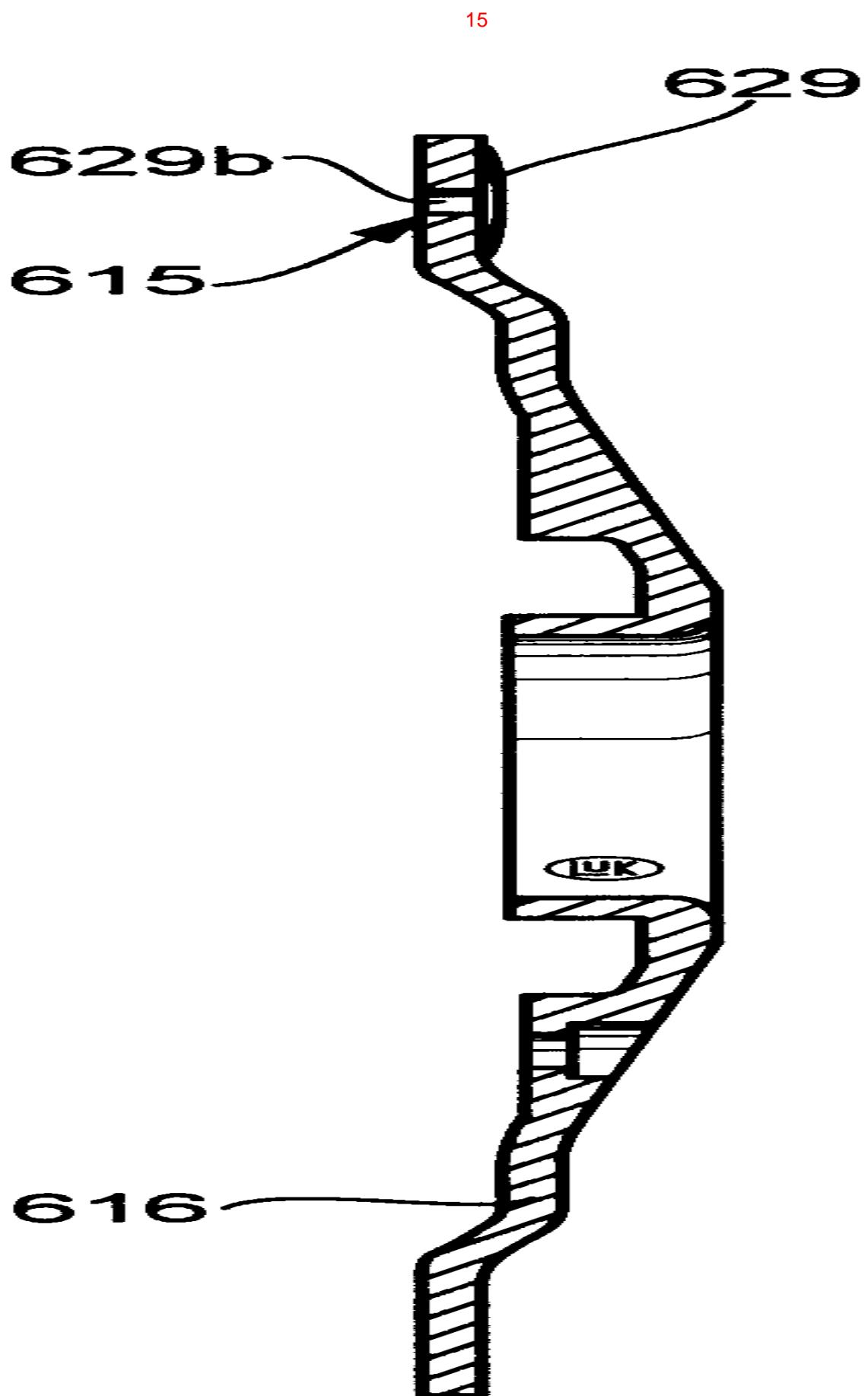


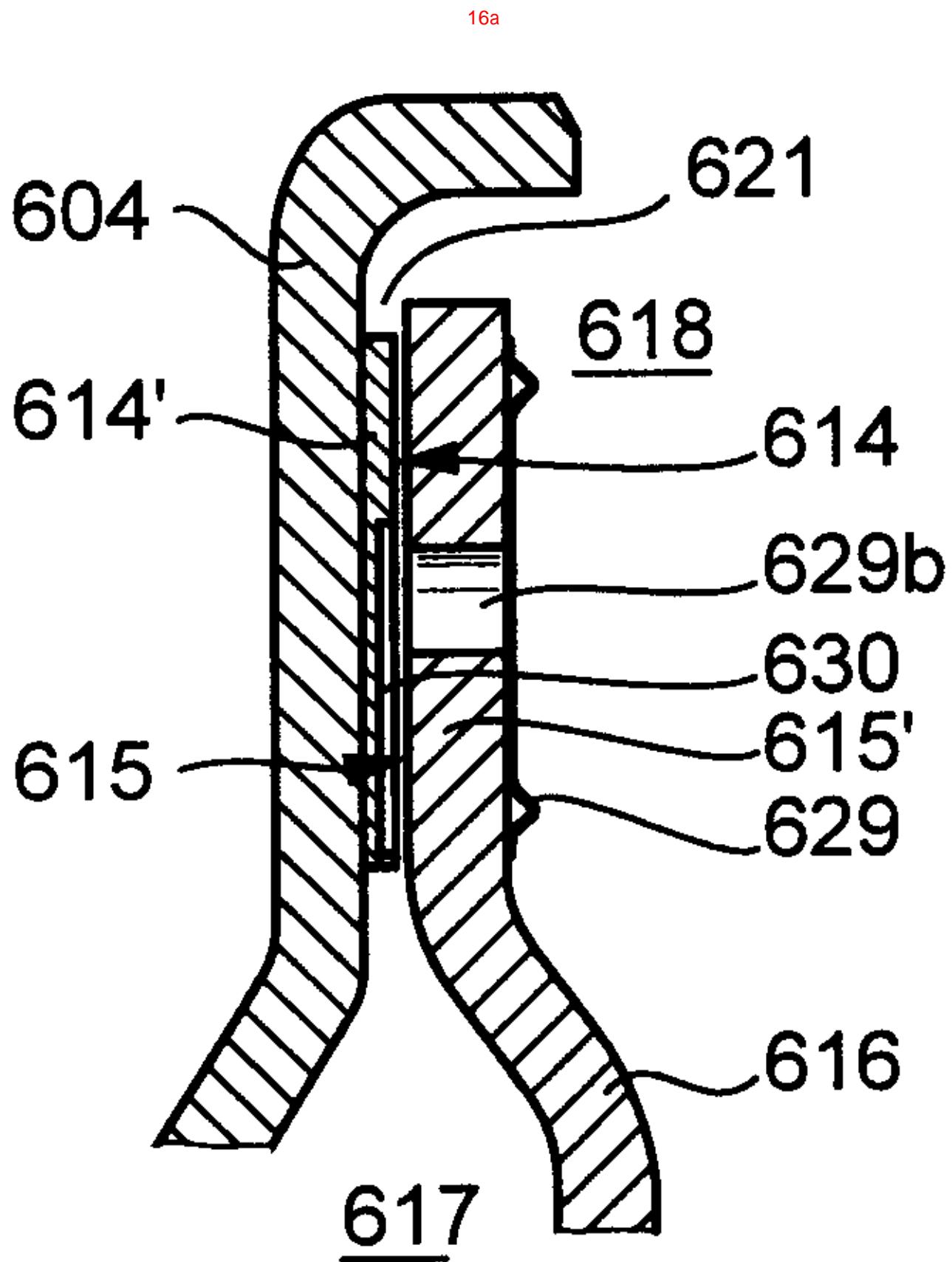


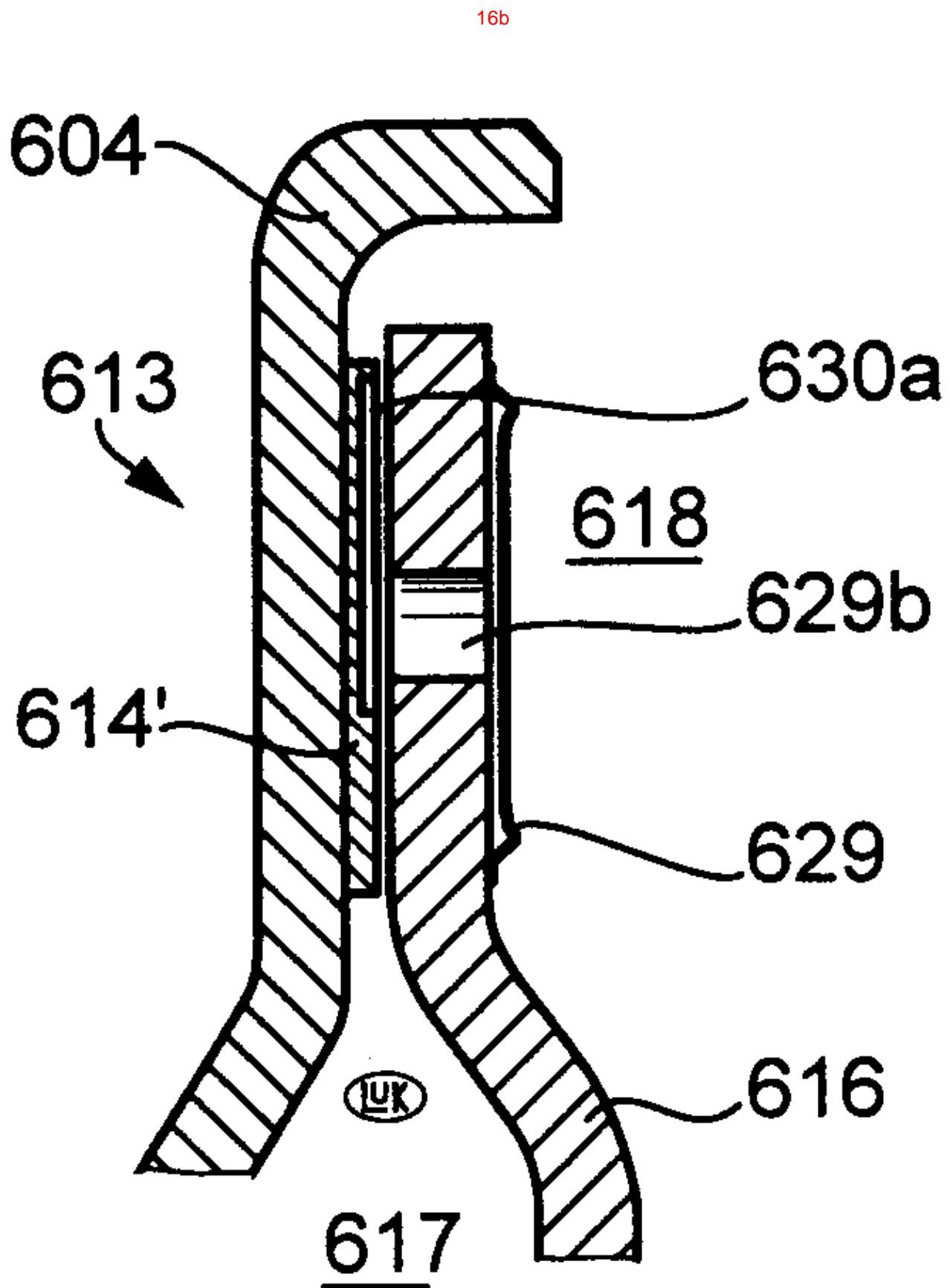


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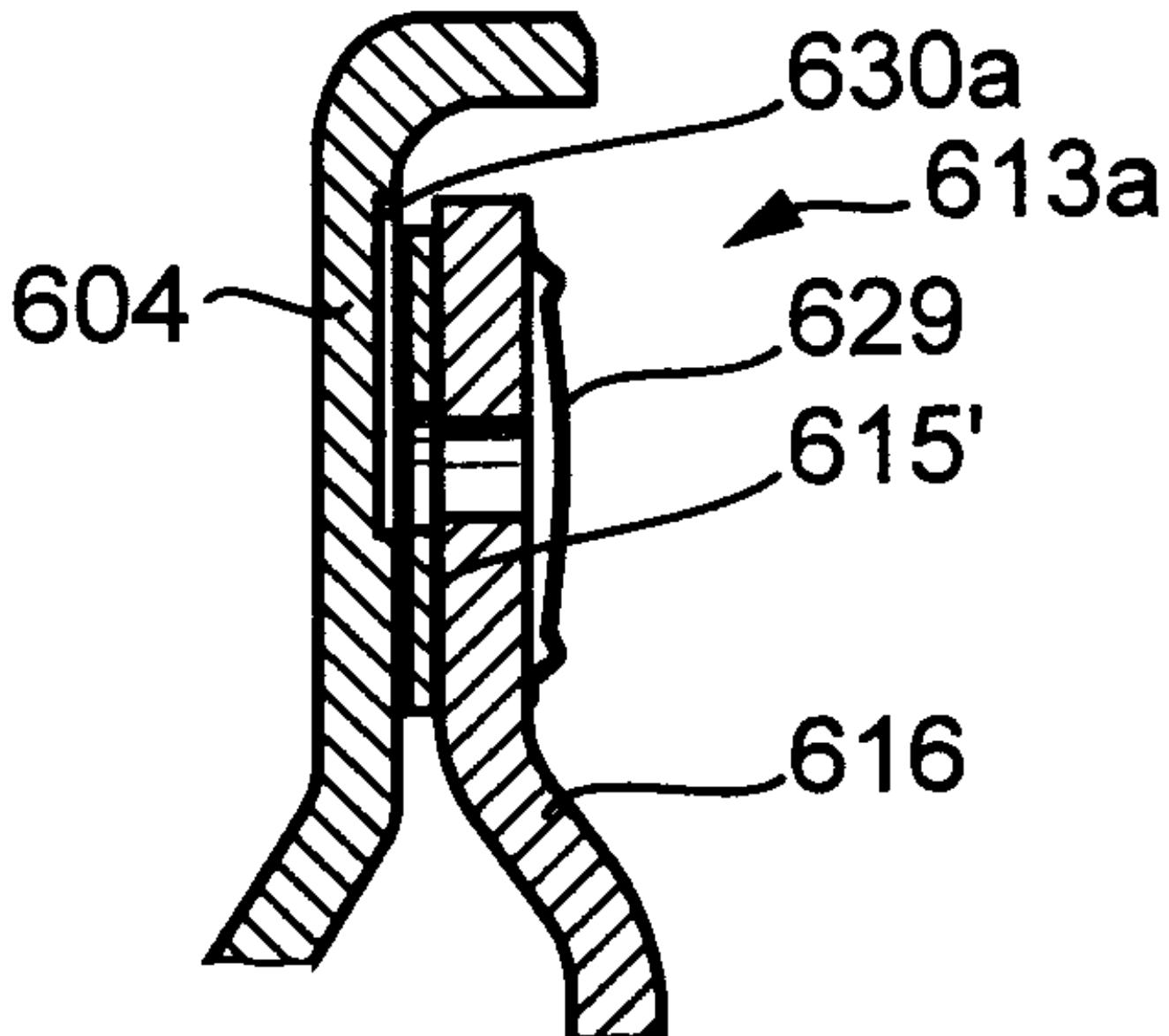




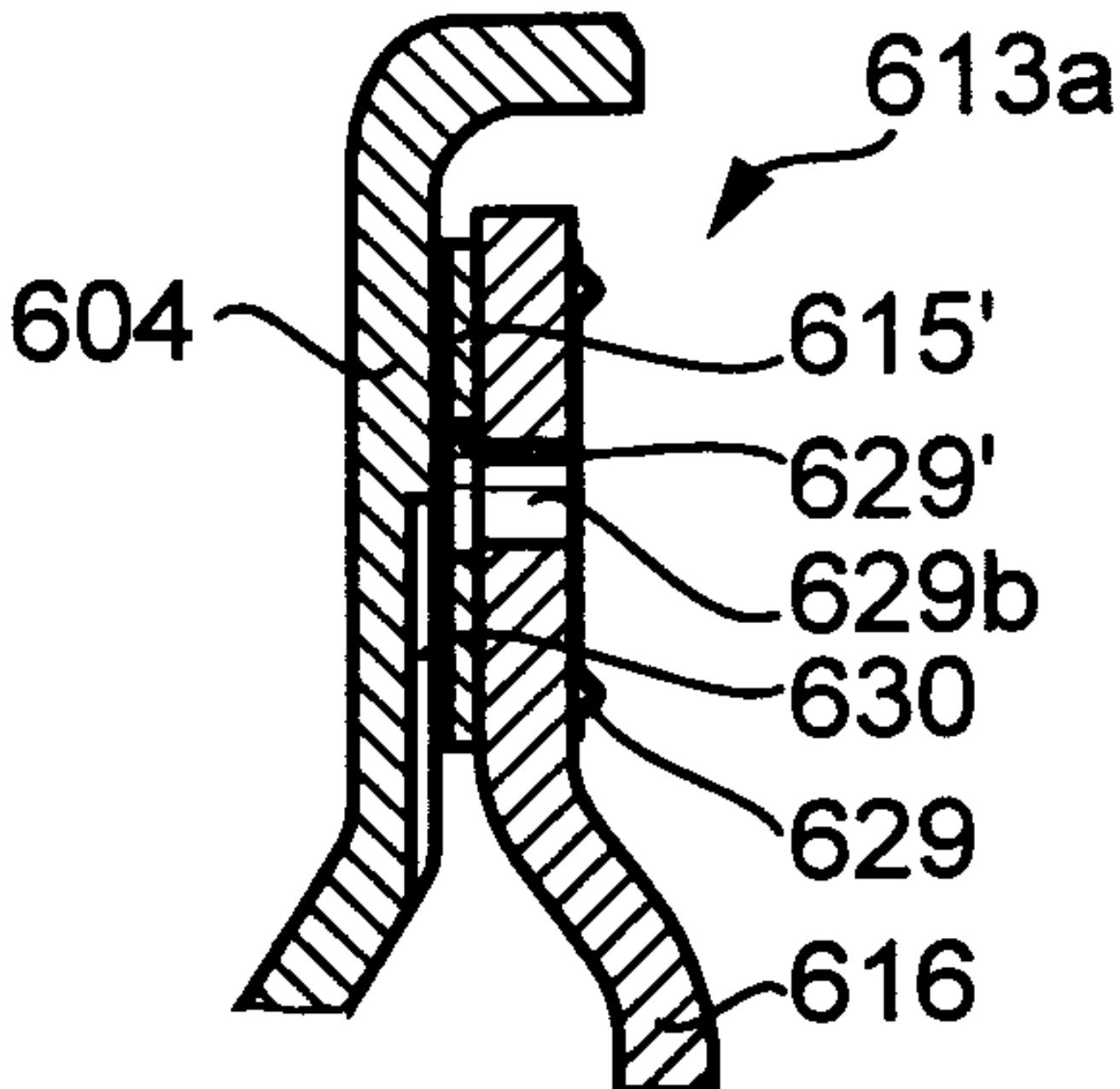


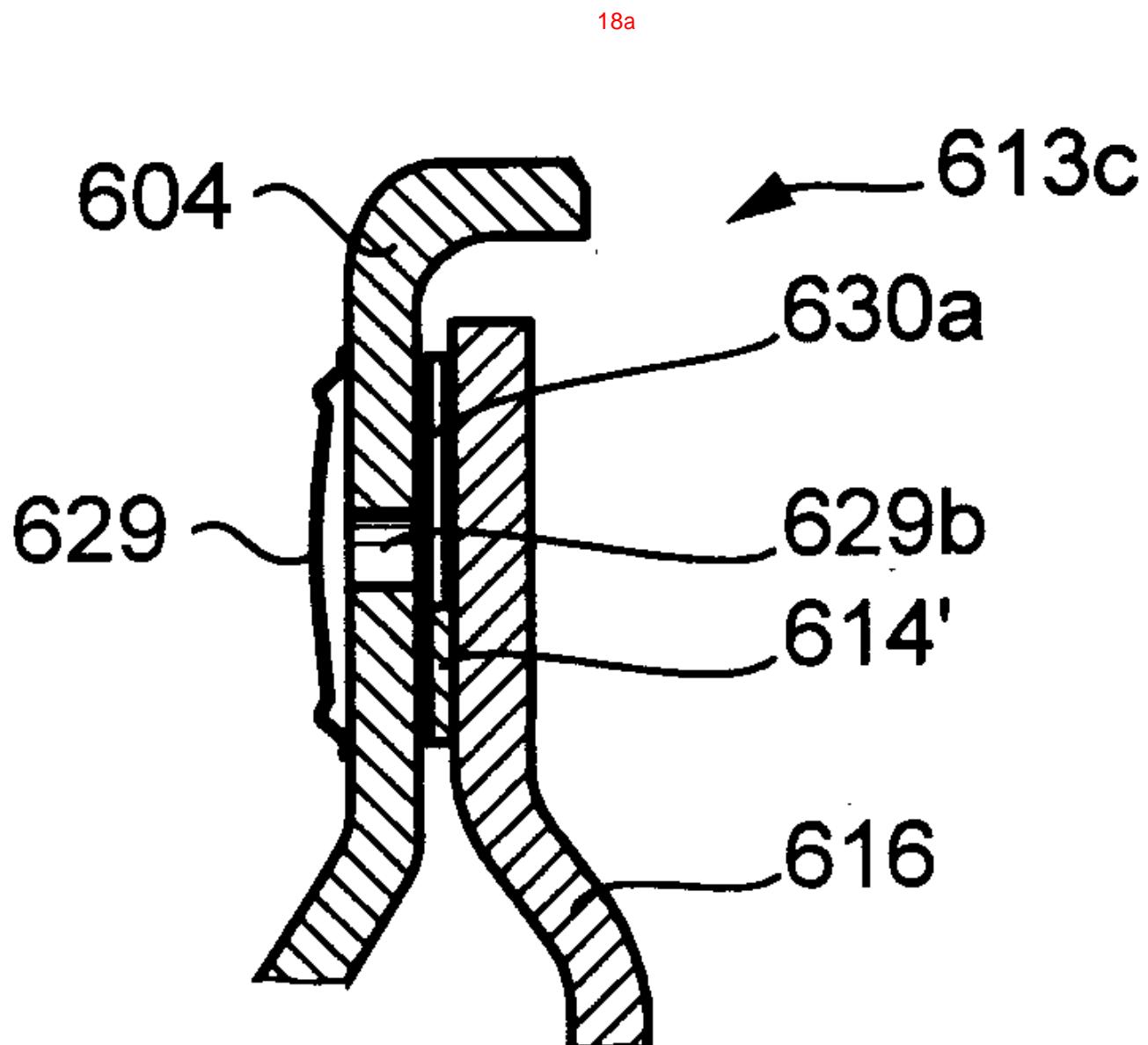


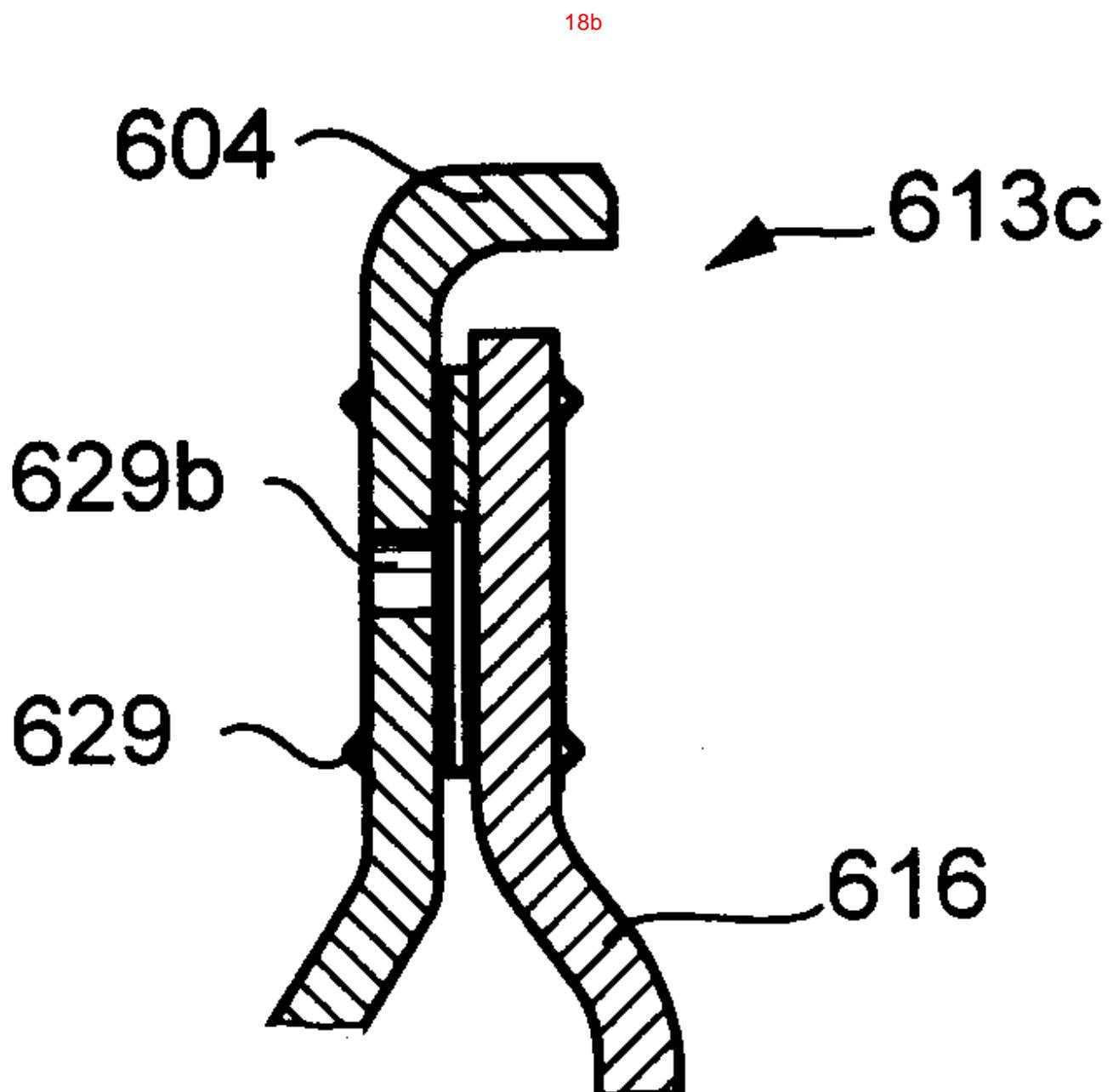
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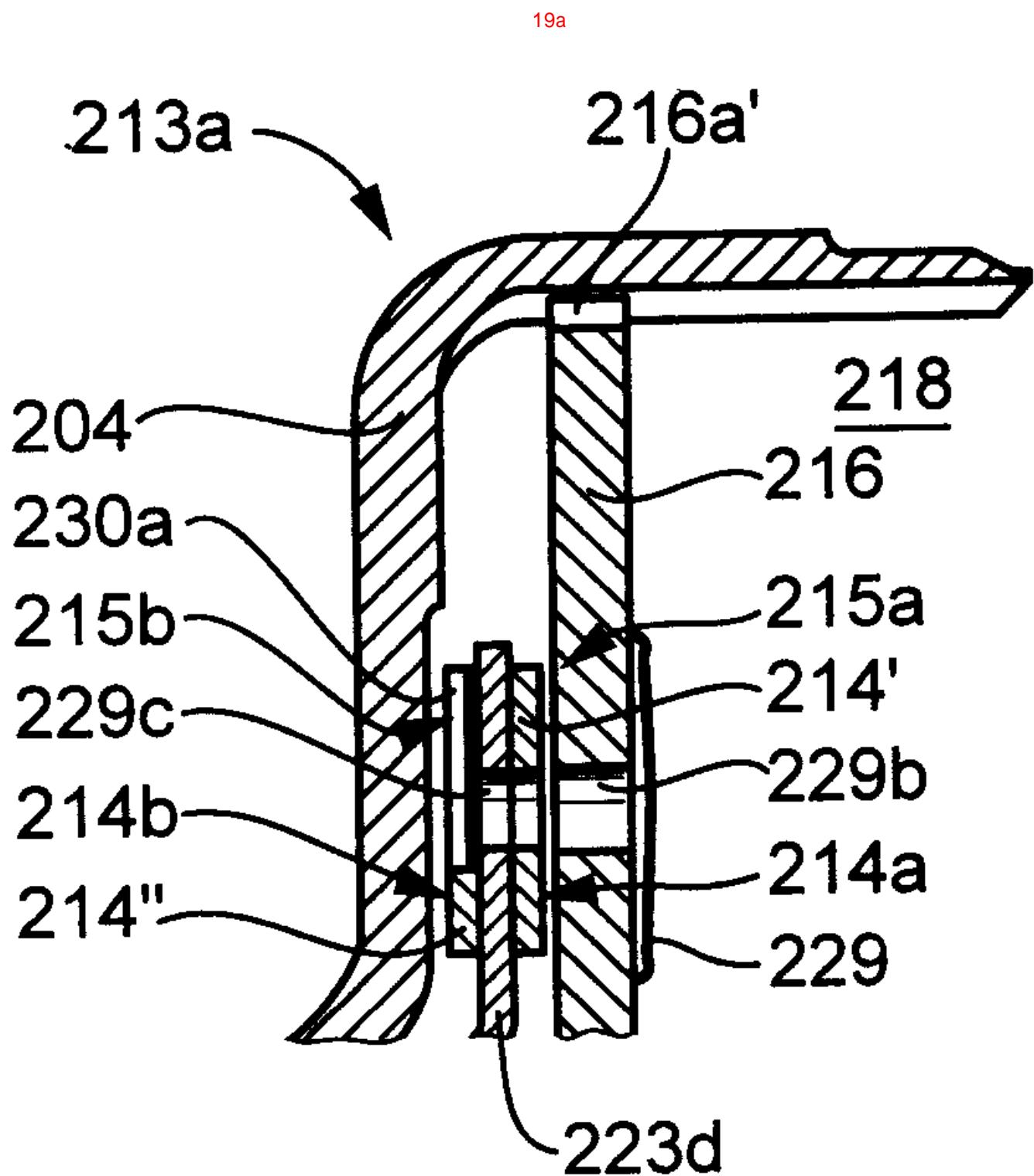


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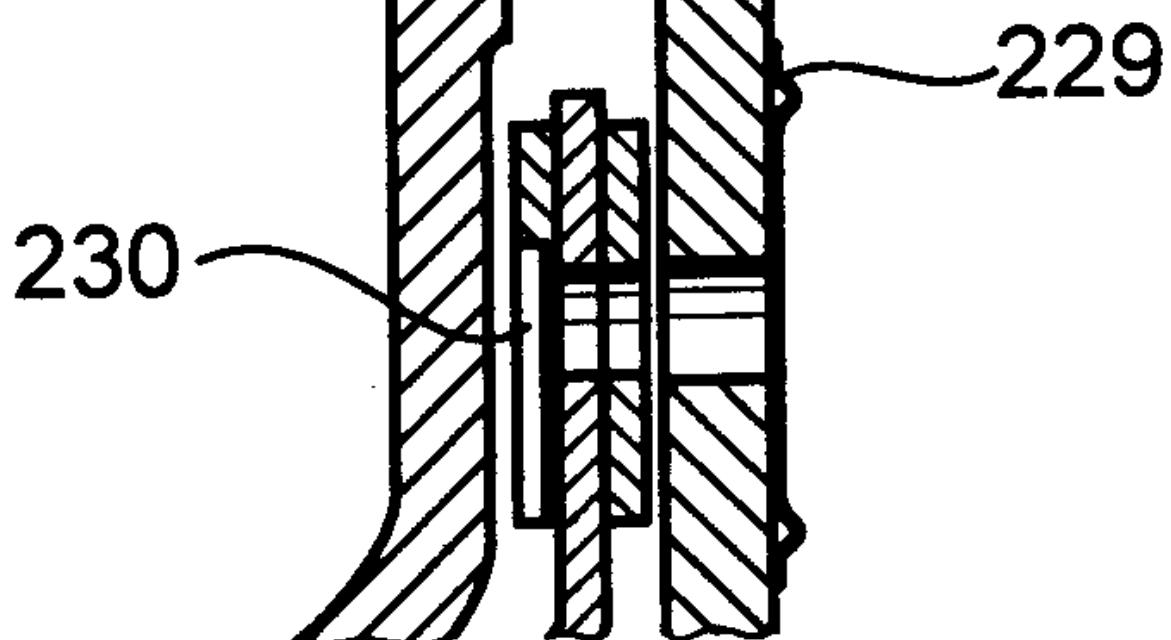






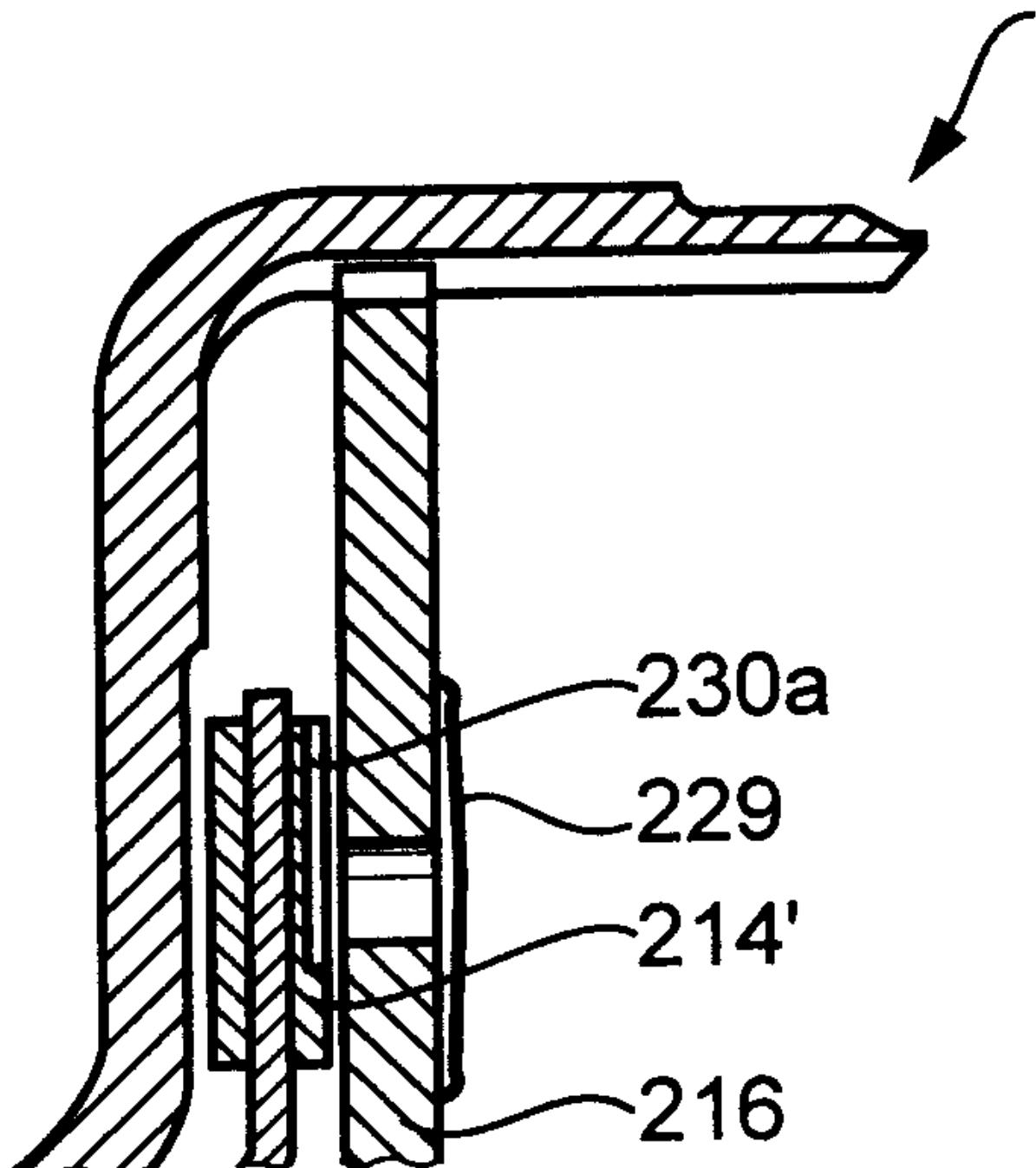
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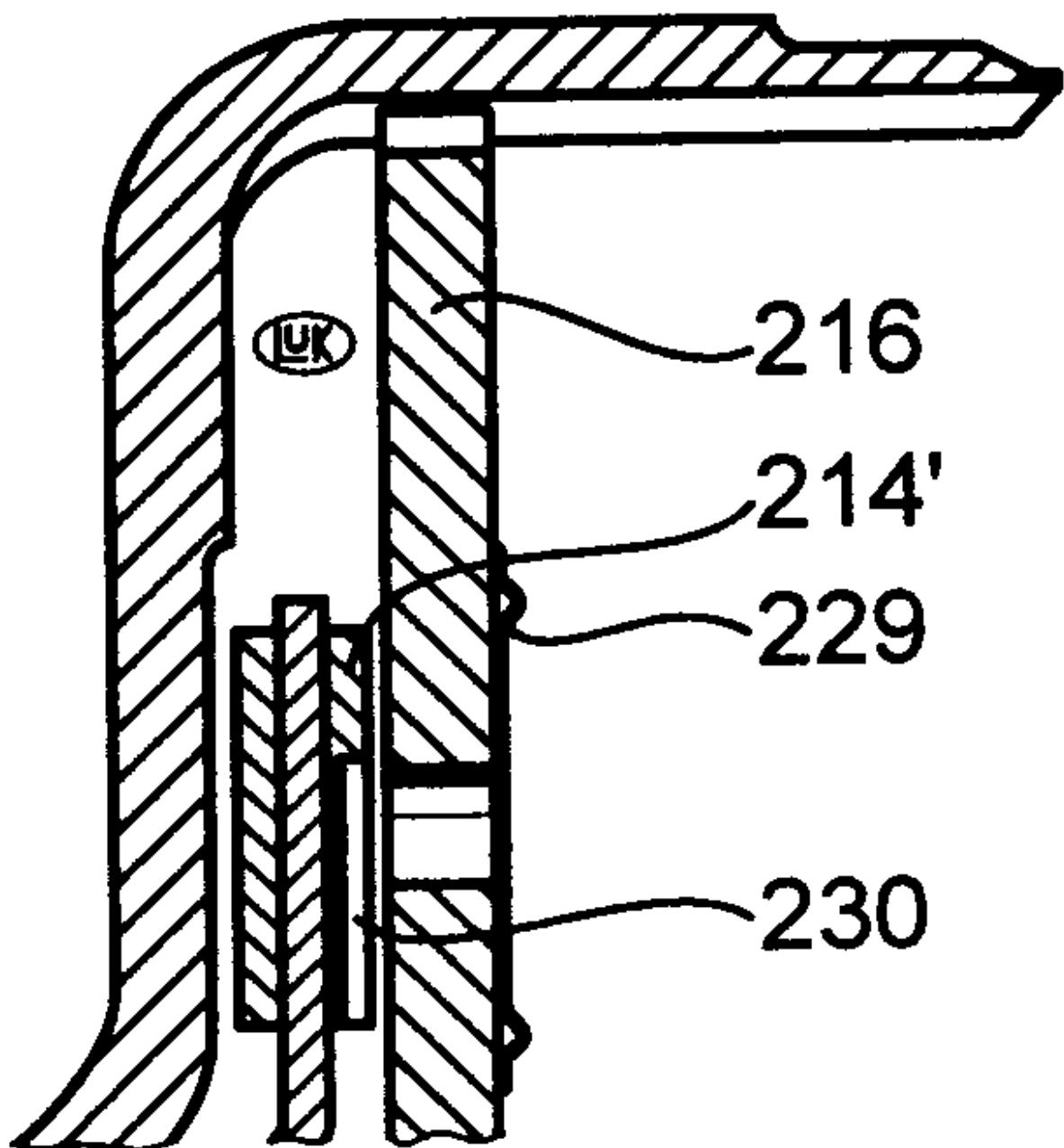
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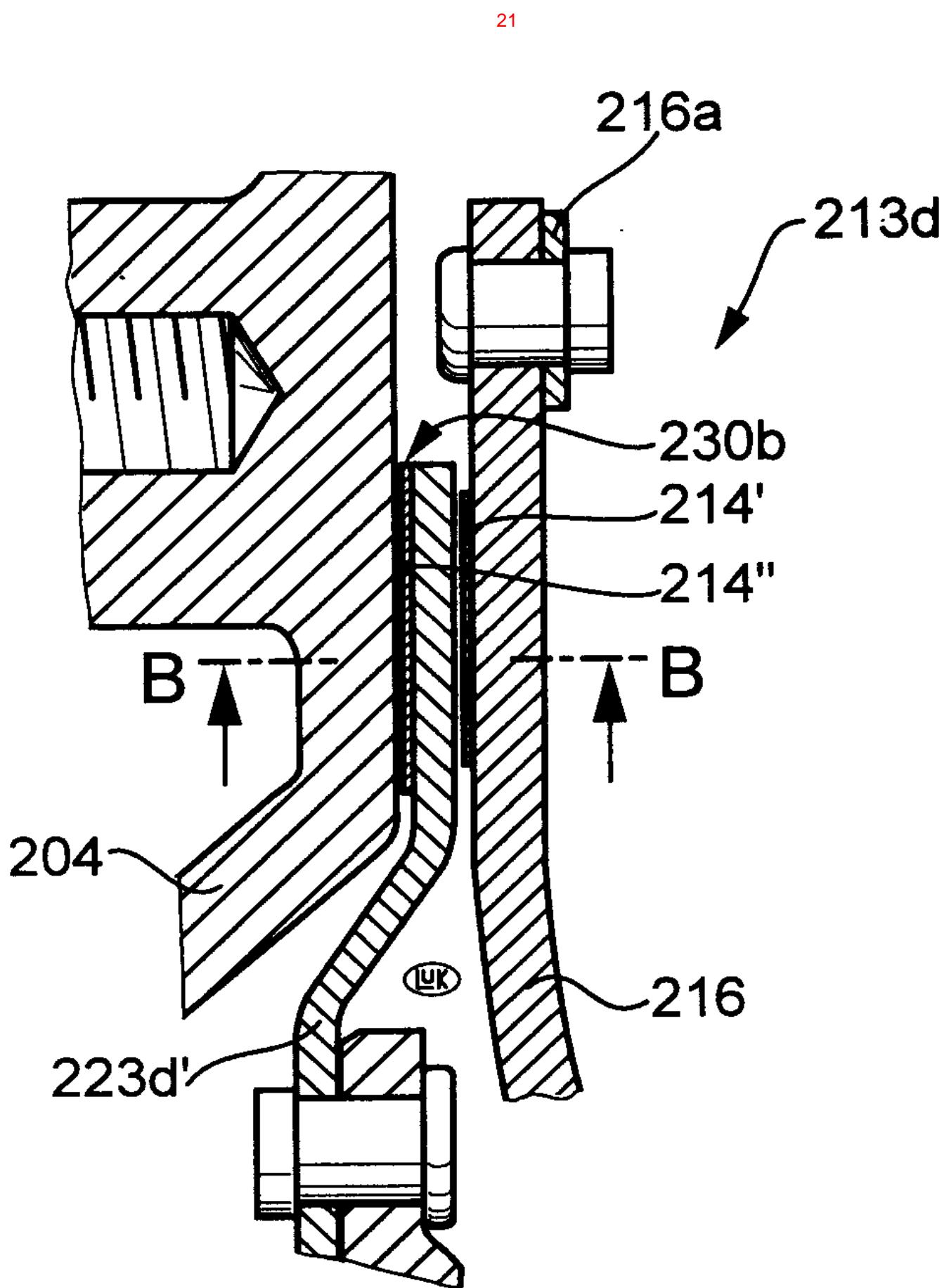
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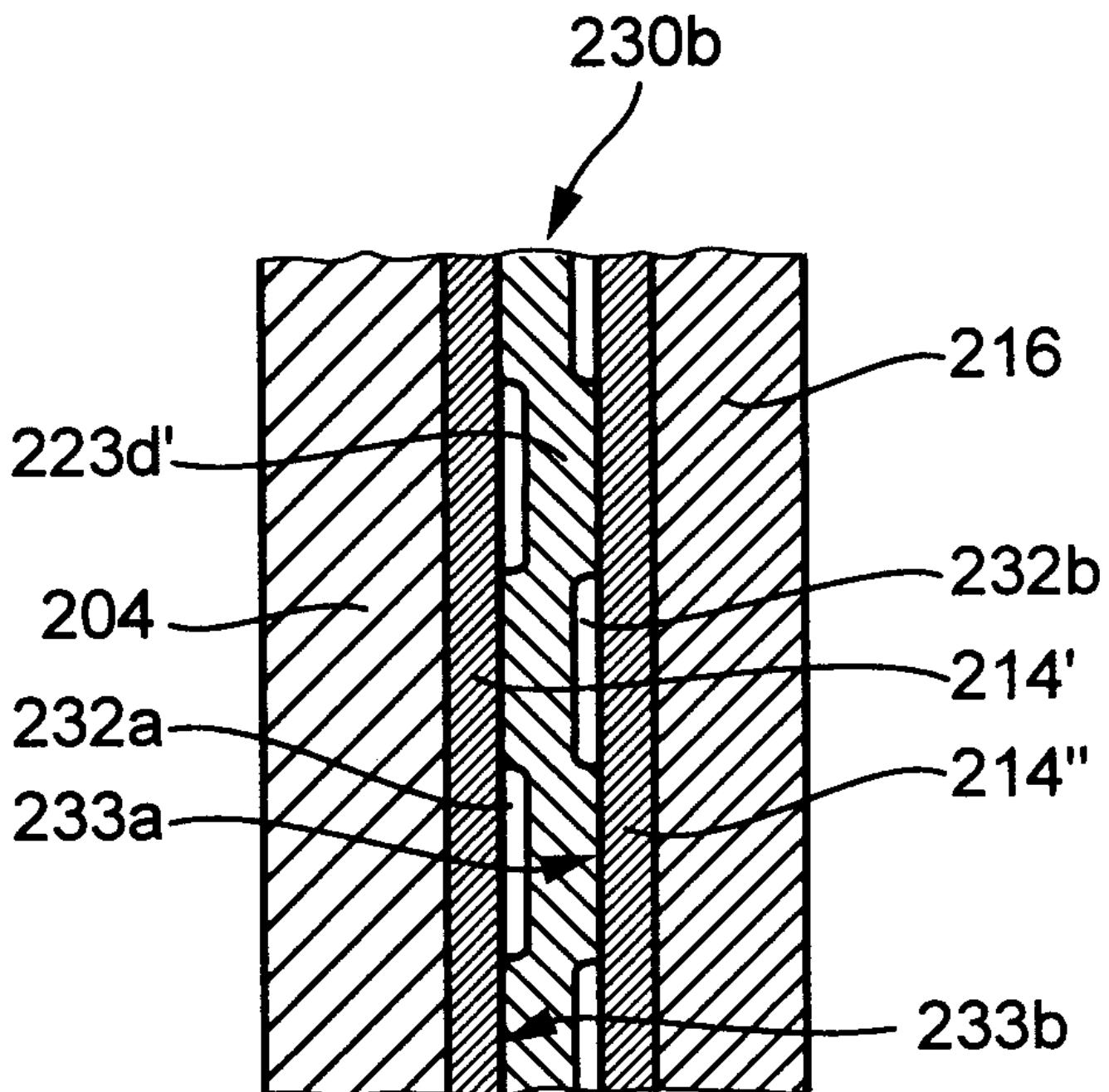
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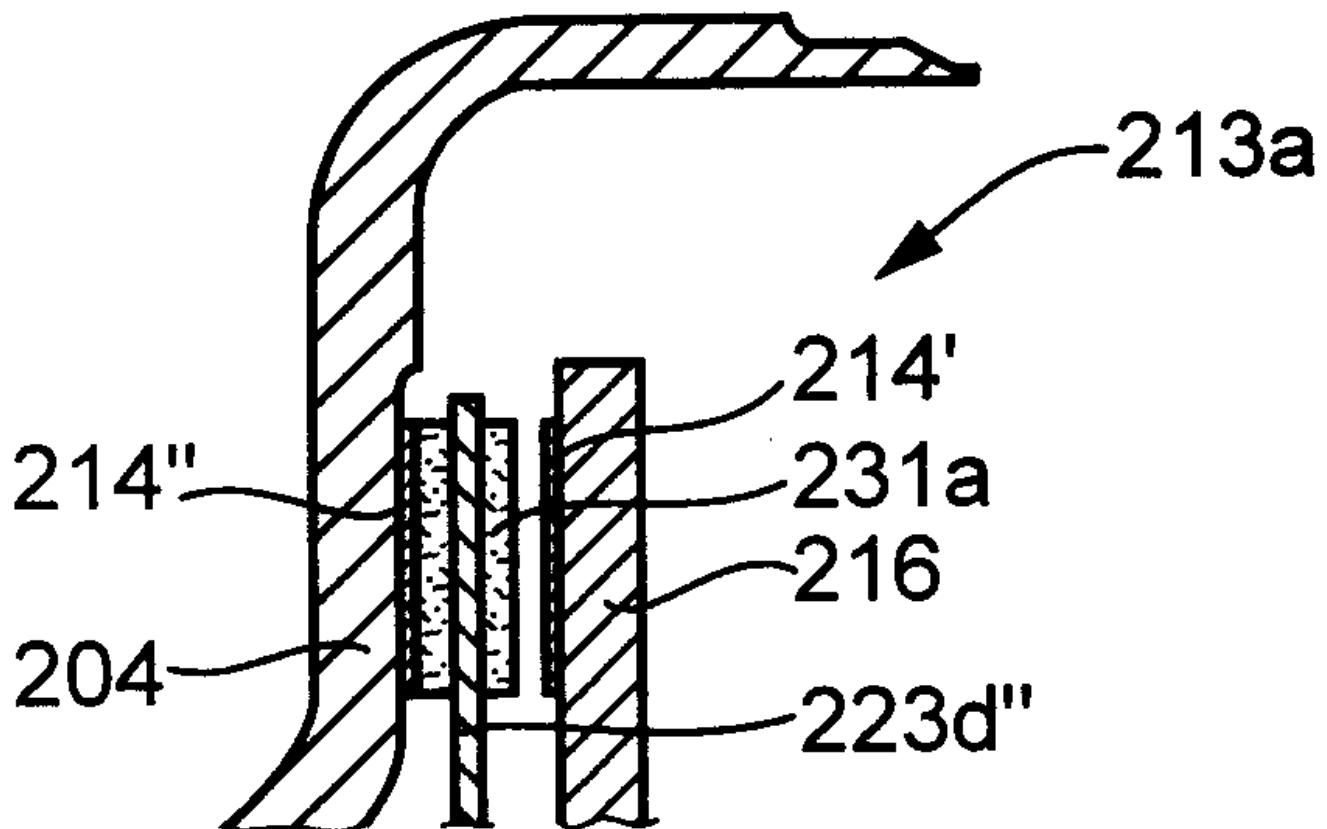
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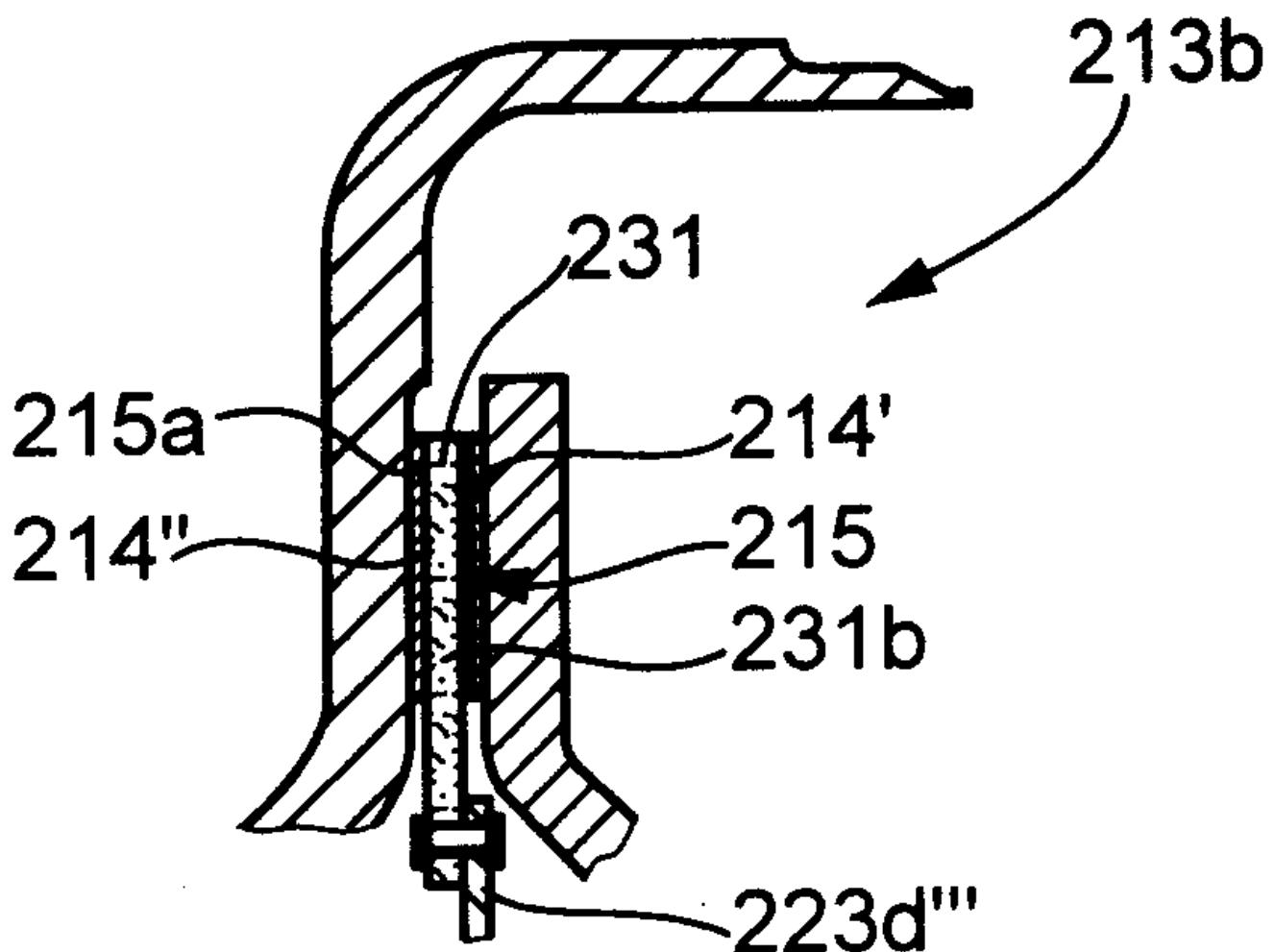


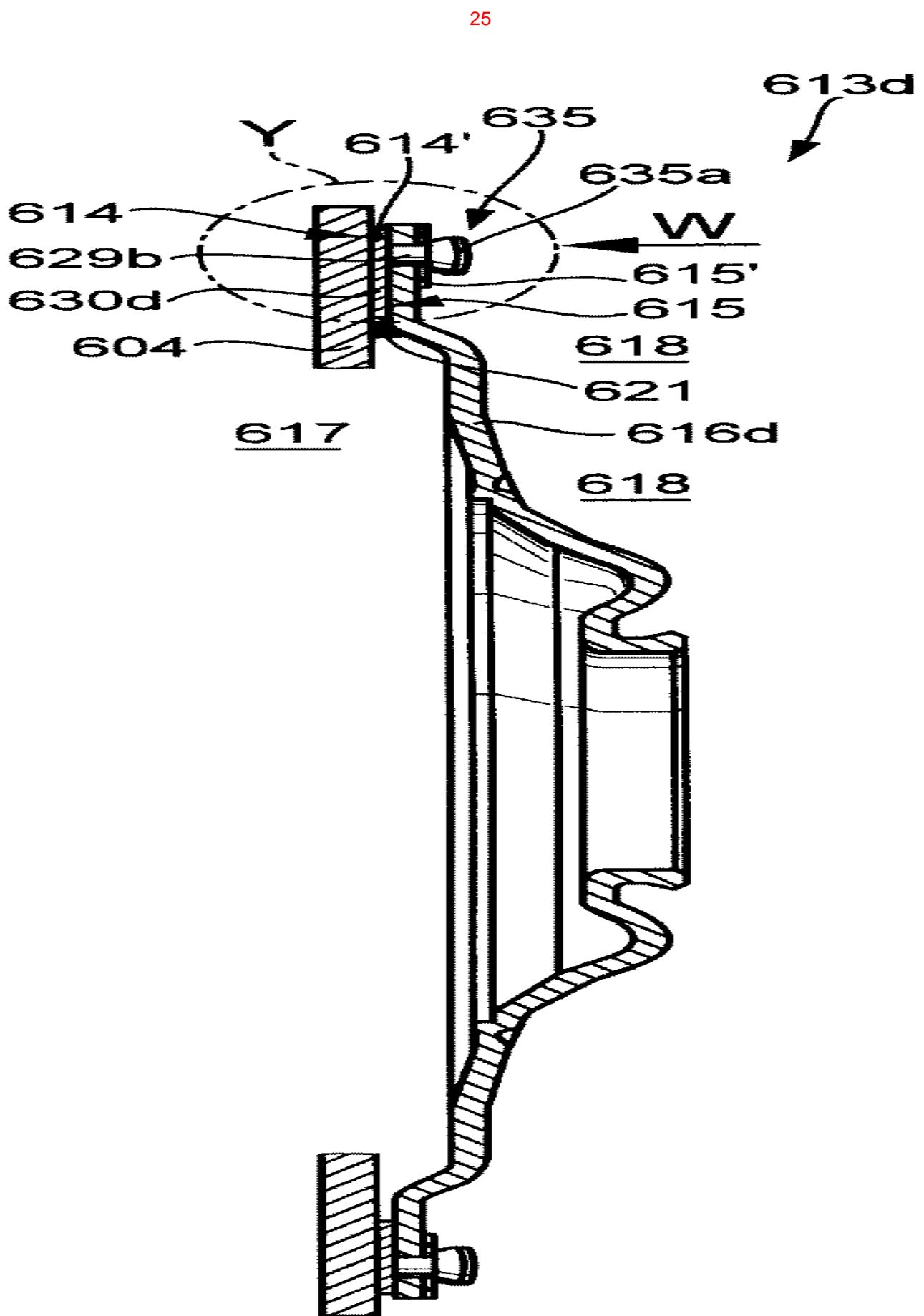


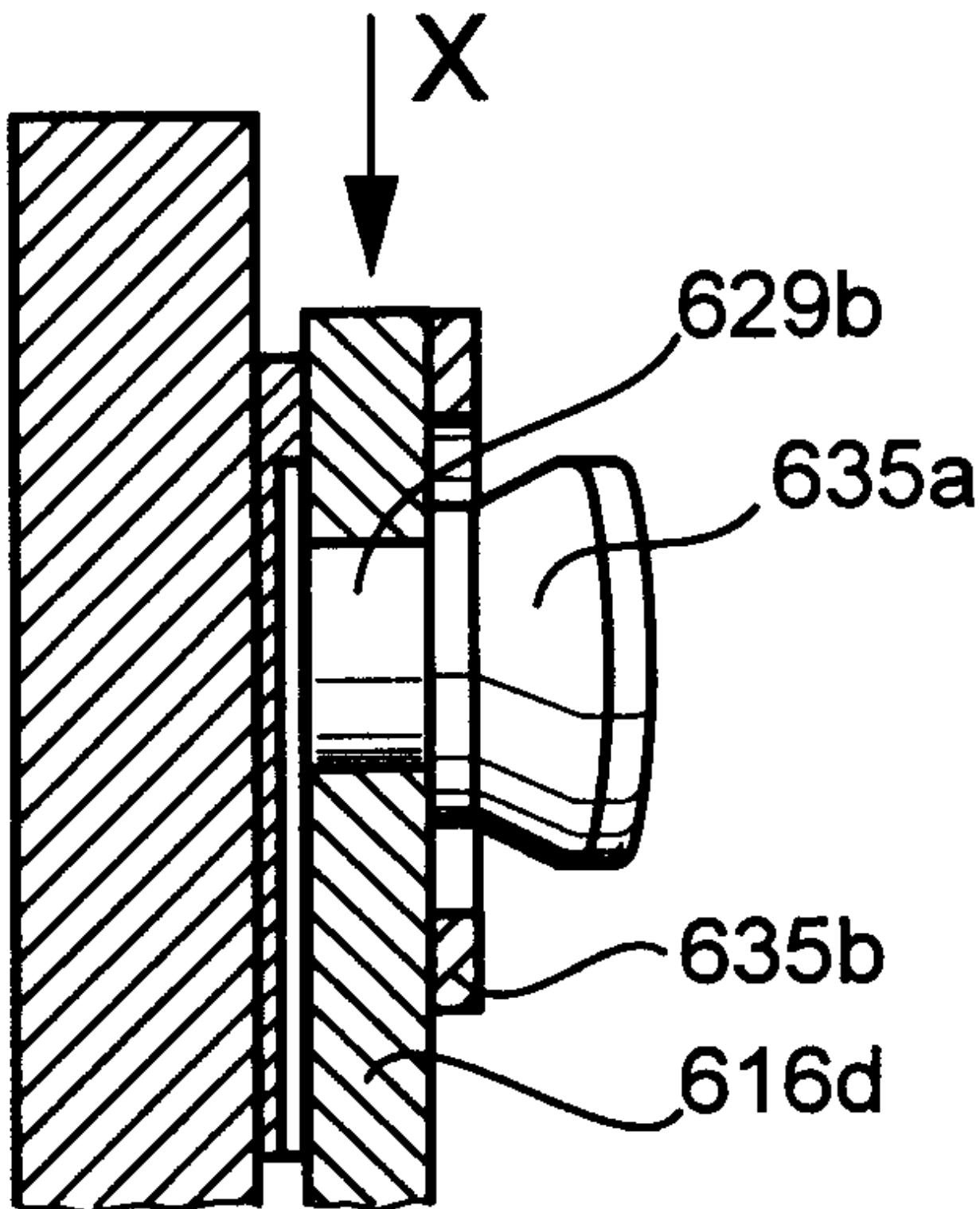
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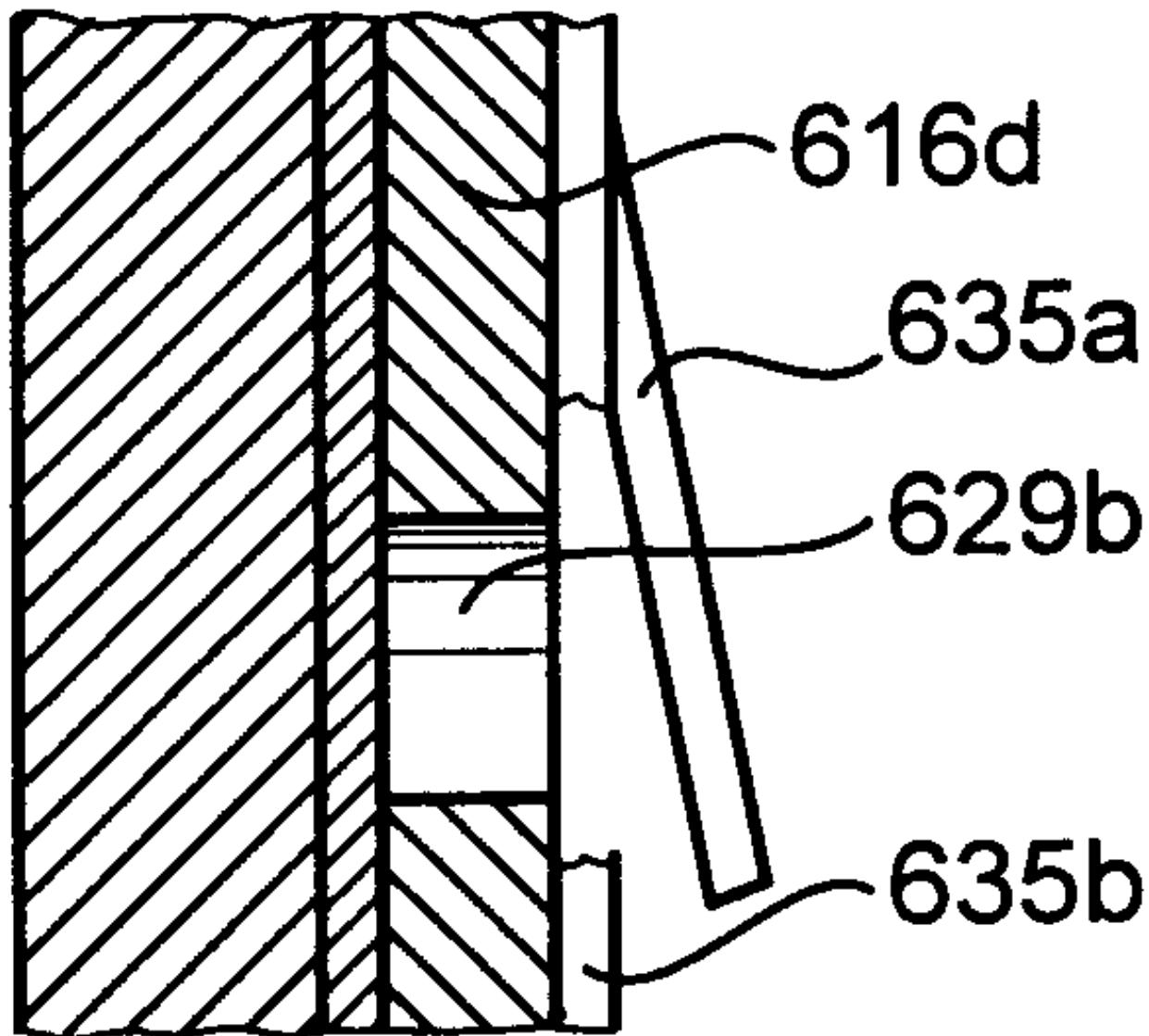


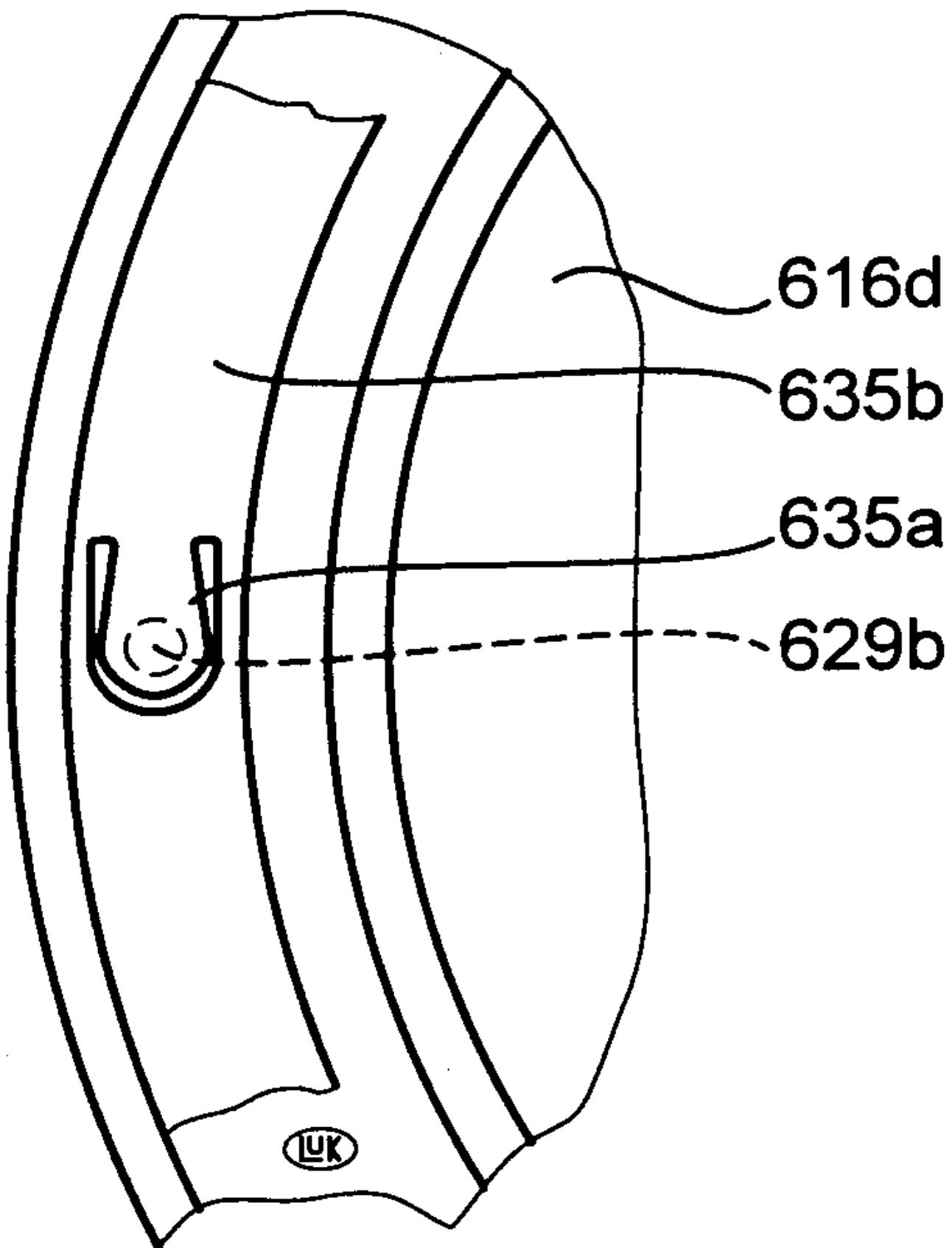




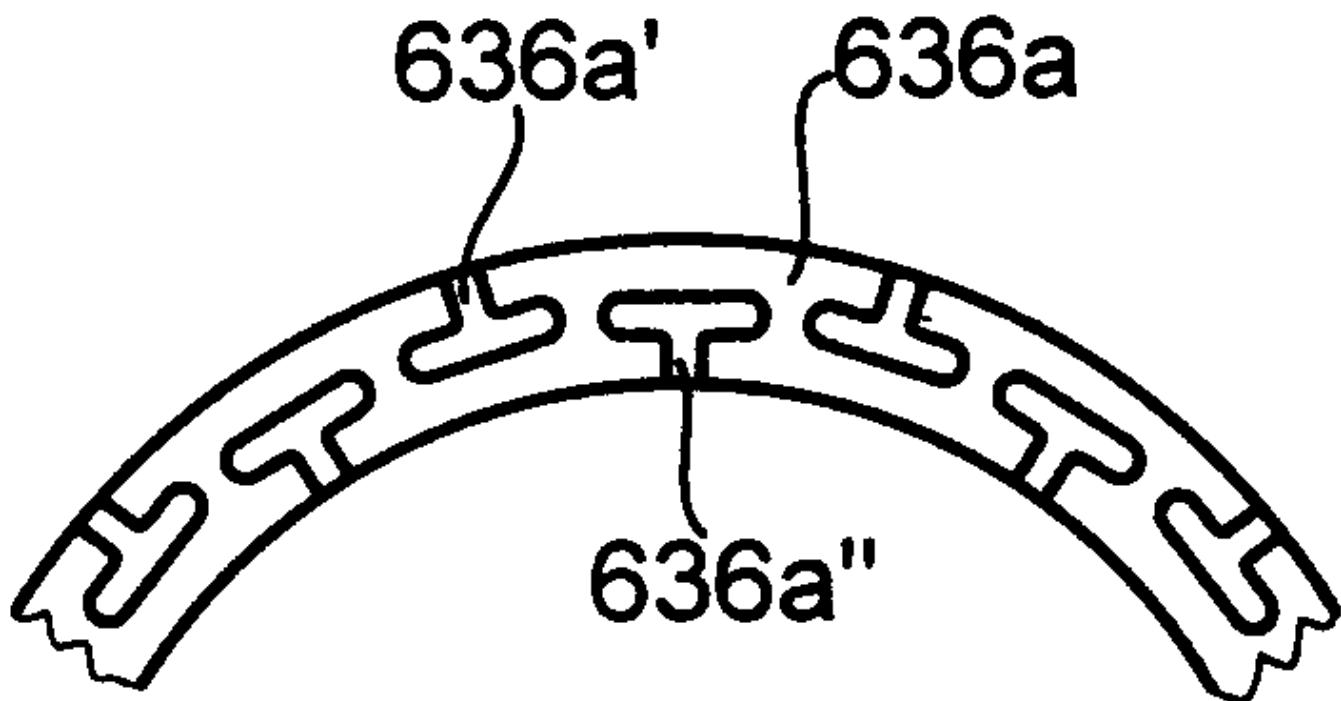


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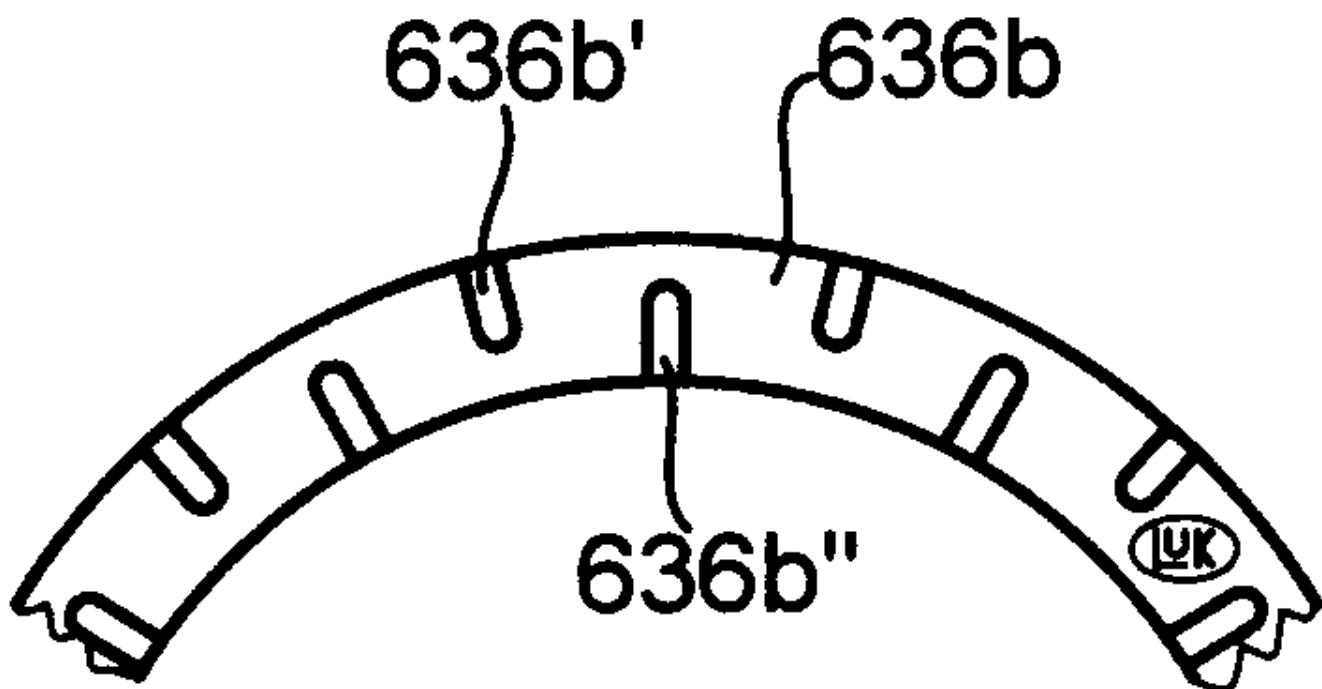




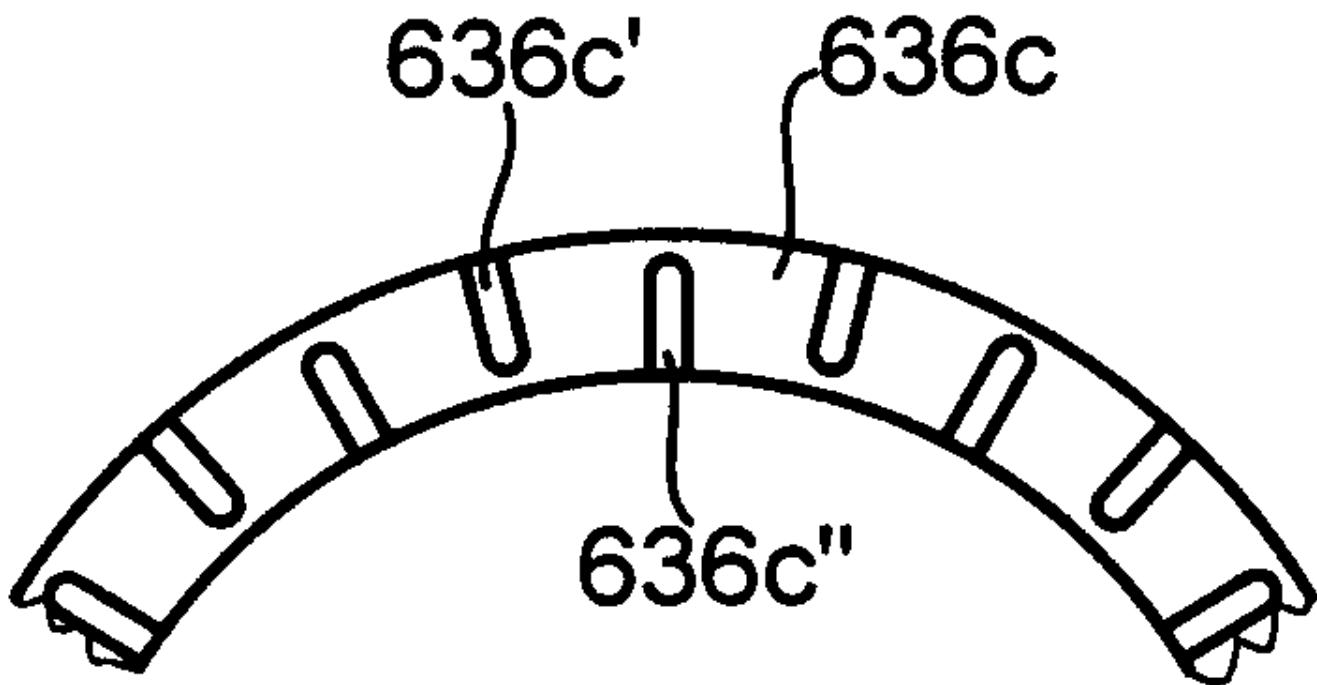
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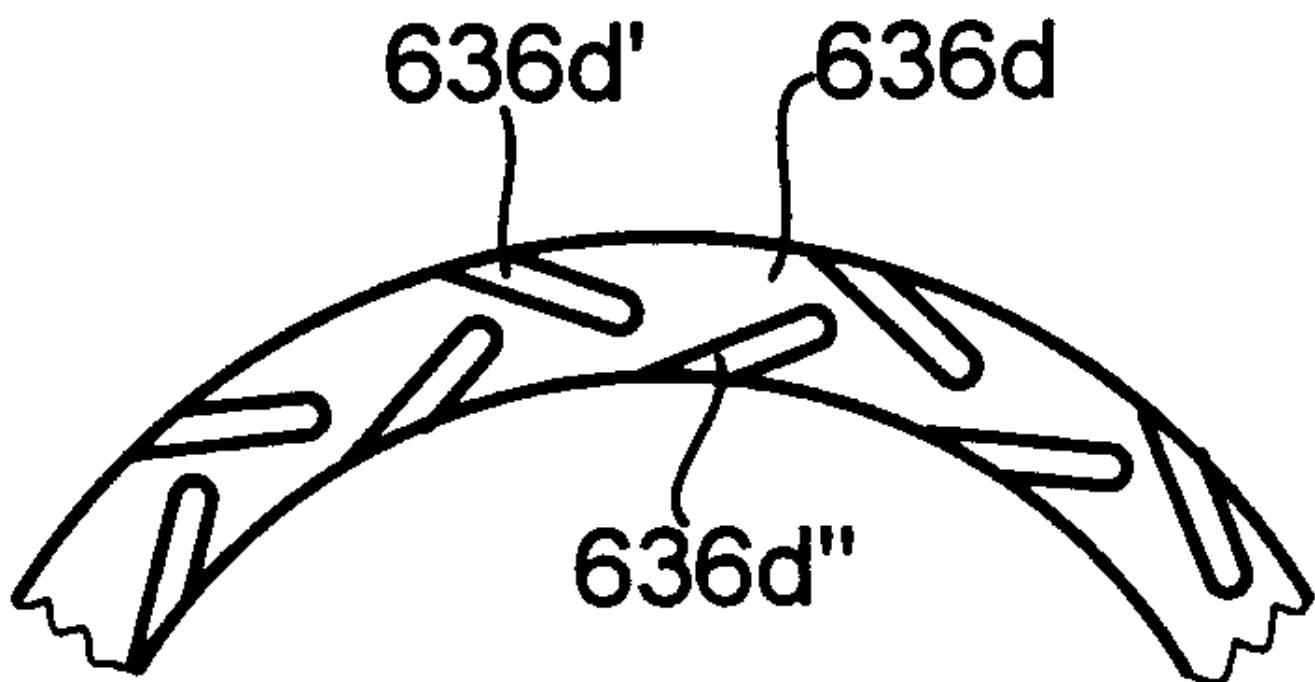
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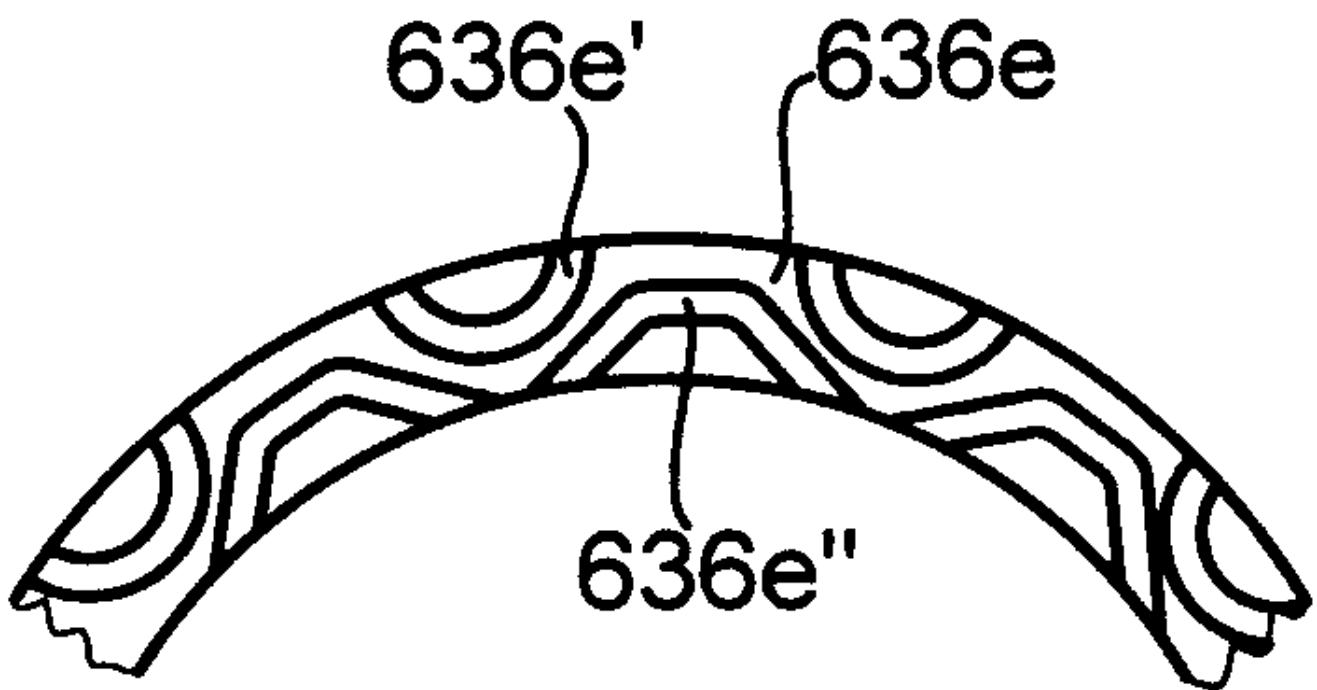
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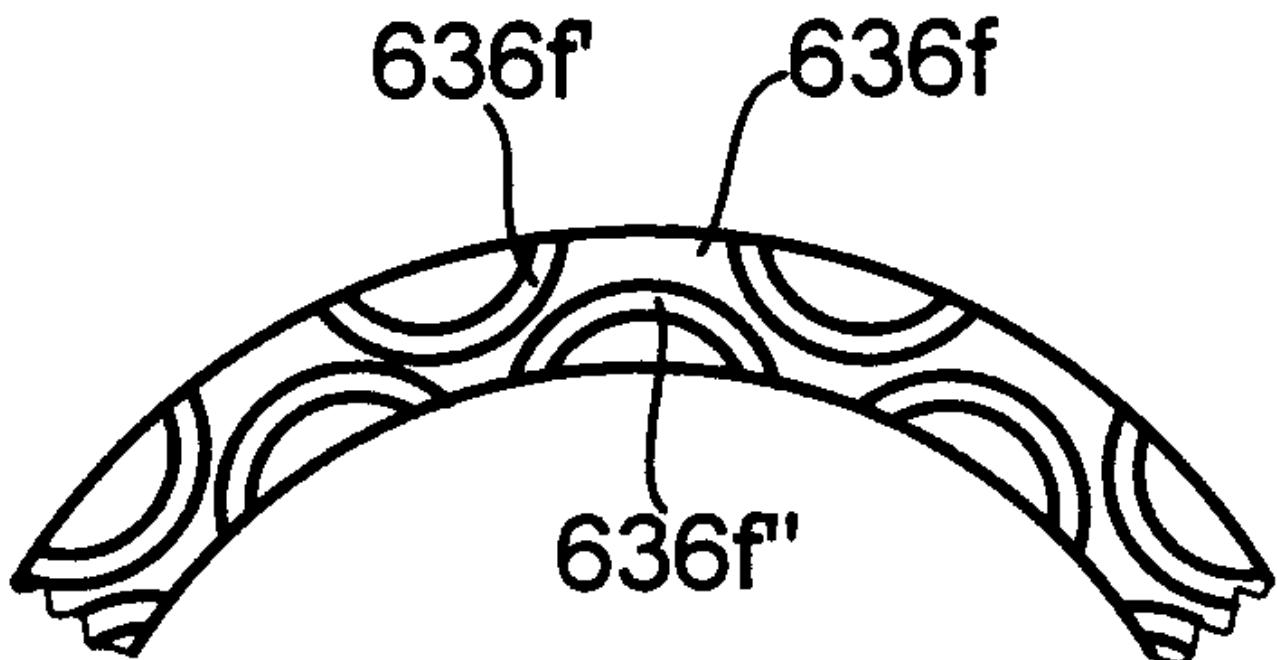
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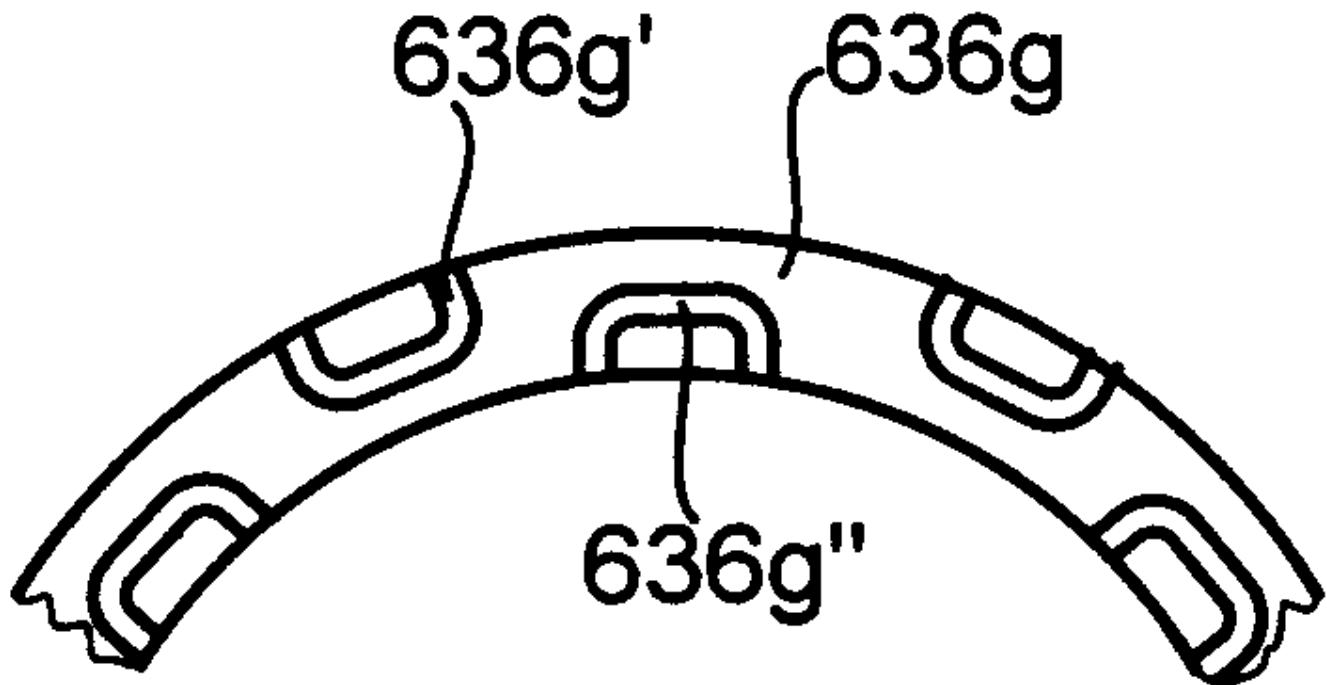
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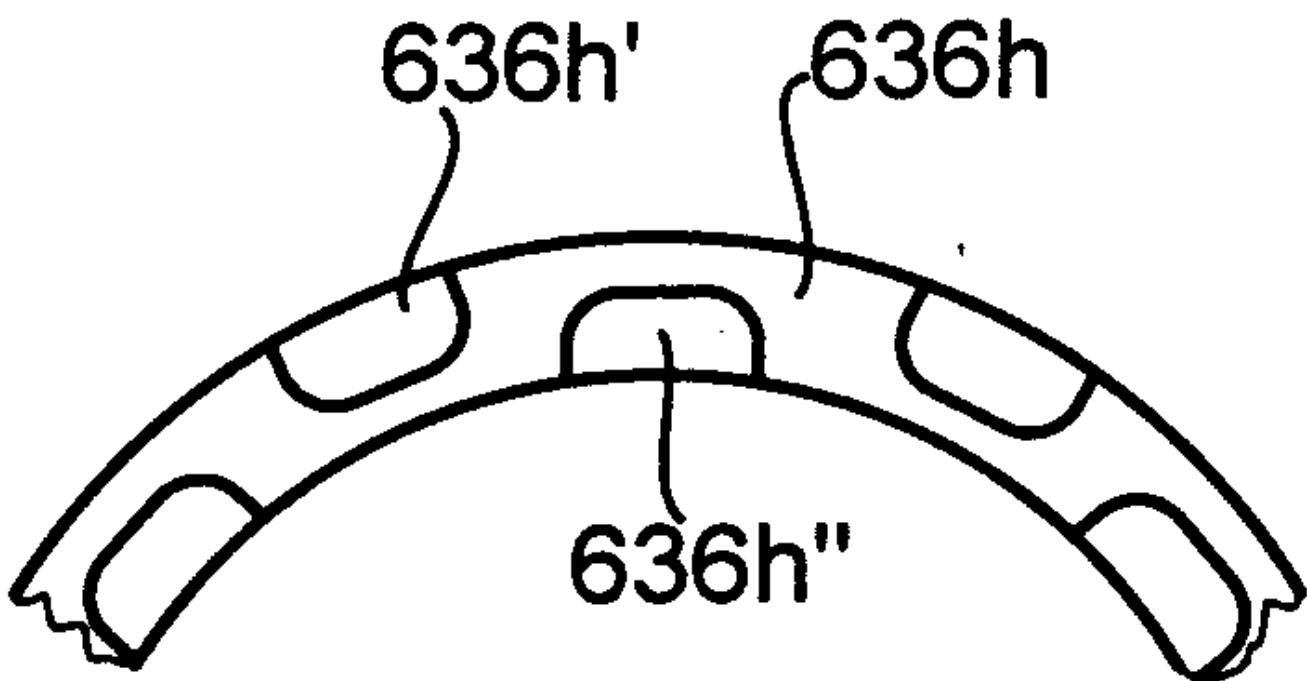
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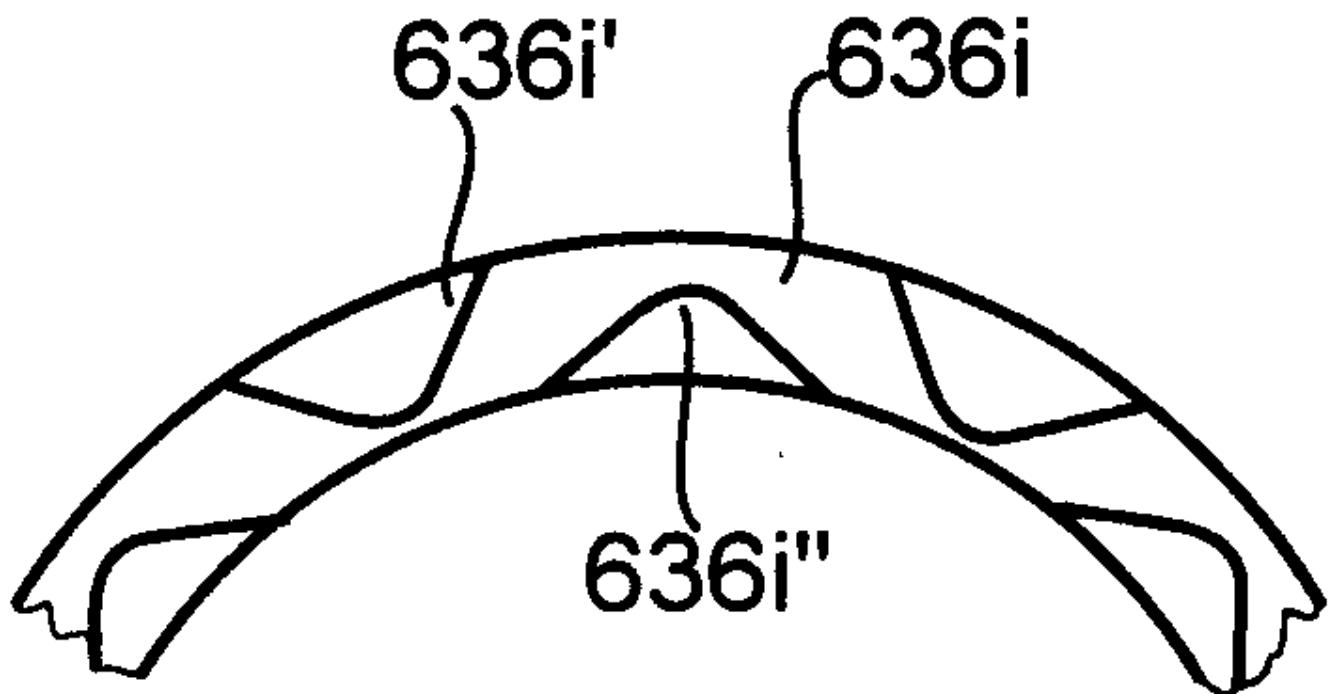
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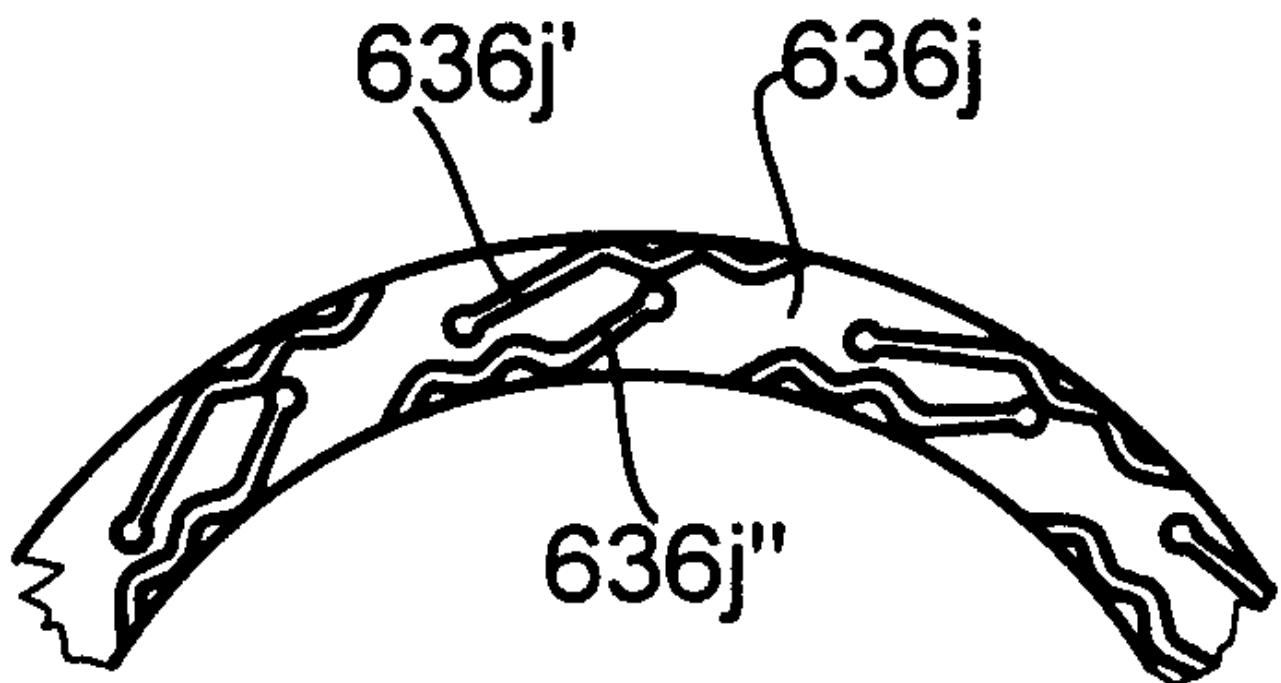
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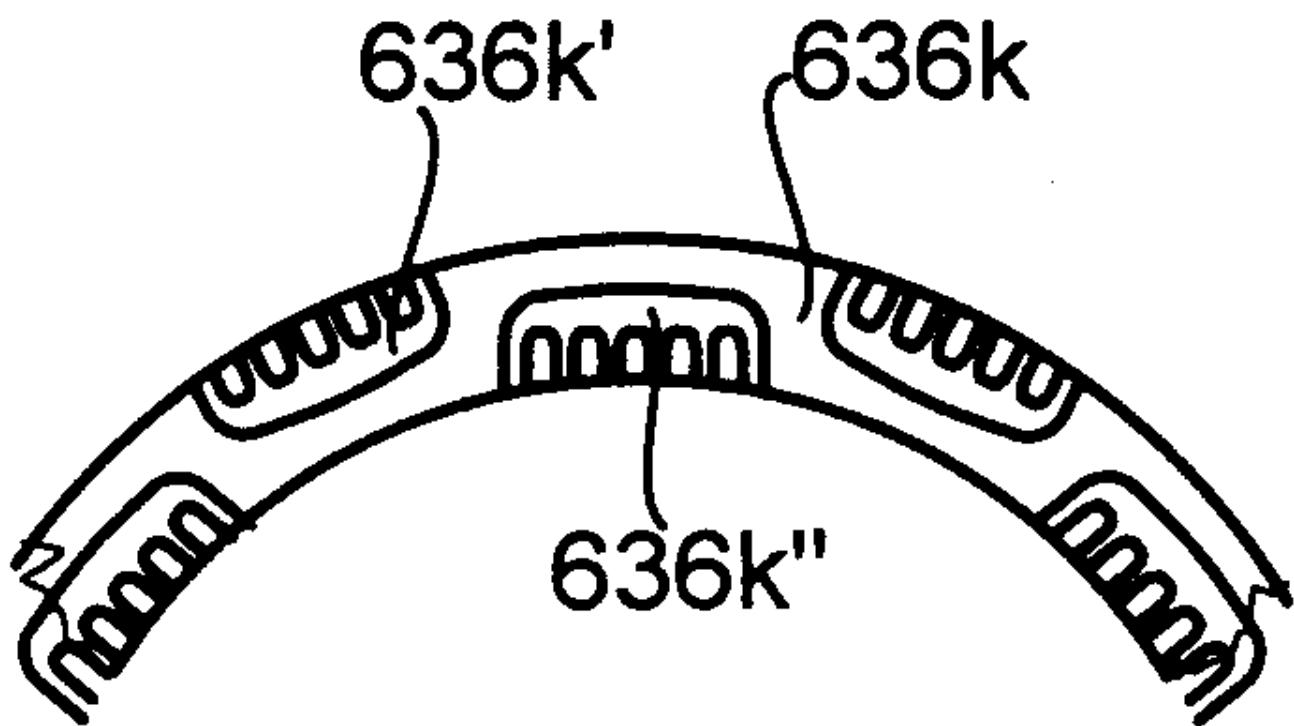
29i



29j



29k



30

