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(86) 2003 05 12

(87)

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(30) 10221516.2 2002 05 14 (DE)

(71) -60488 7

(72) 65527 가 20

61449 19

65817 20

65366 가 17

65817 36

(74)

:

(54) 가

(5) (5), 가 , (31)
(1, 2, 3, 4) (31), 2 (1, 2) (31)
(1, 2) , 2 (3, 4) ,
(6, 7, 8) (5) , 2 (3, 4)
(31) 2

1c

(floating caliper) 가 , 가

가 가 가 , , 가 가 ,

가 , 가 ,

(frame-shaped floating caliper) 가 ,

1.5 , (hot brake judder), (cold brake judder),
(comfort) 2

0 412 541 가 , 가

(steering knuckle) 가 , 가

4 가 ,

가 가 가 가 ,

(bearing pressure distribution) 2 가 ,

US-PS 6, 357, 559

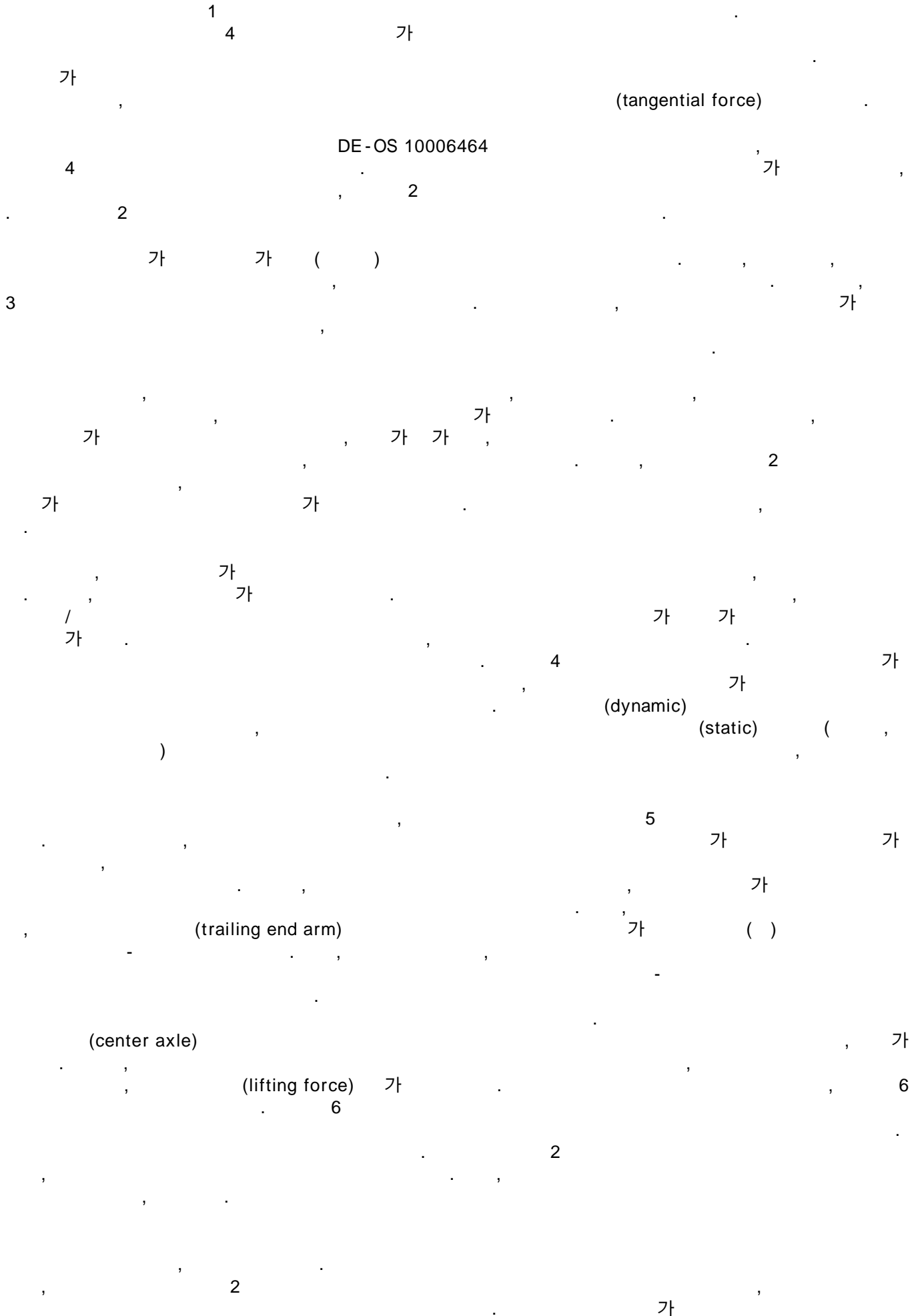
, DE-OS 4126196 2 가 (stiff) 가

(holding device)

DE-OS 10006464 DE-PS 19626901 , DE-OS 10006464

2 가 , 2

, 가



가 , 15 , , 가 , , 가 (1) , (clip) , 16 , 1 , 가 1 , (web) , 1 , 가 , (tolerance band) , 가 , 가 , 17 , 18 , 가 , 가 , , 가 ,) 2 , , (, 가 (가) , 19 , , 1 , 가 , 20 , 가 , 21 , 가 , (bore) , (setscrew) , 21 , (pluggable) , (stop) , (stepped) , 2 , , 가 , 2 , 가 , 가 , 가 , 가 , 가 , 2 , 가 , 1a , 1 , 1b , 1a

1c 가 , 1a

1d 가 , 1b

2 1a

3 1b

4 1

5 2 1 1c

6 2 1c

7

8 8 4

9

10a 10d 1a 1d , 1 2

10e 10a

11 10a

12 2 1 10c

13 2 10c

14

15

1 (30) (5) 가 1 (31)
 (5) (32) (steering knuckle)
 5) (33, 34) (5) (31) (30) 가 ,
 (3, 4) (backing) (35) (36)
 (5) (6, 7, 8) U ,
) (6, 7, 8) (1, 2,
 3, 4) (38) (18) () ,
 (1, 2, 3, 4) (19) (/
 , DE 28 04 808 A1).

1c 1d (1, 2, 3, 4) (35) (11, 12)
 , 41) , (31) (11) (40)
 (1d)
 (40, 41) 가 (42, 43) 가 (4
 2, 43) 가 (11, 12) 가 2 (1, 2, 3, 4) (31) 9
 , 3 가

1a 1b (caliper bridge) (26)
 (27) (5) (7)

2 (1, 2, 3, 4) (38)
 (44) , , , (44)
 (20, 21) , , , , (44)
 가 , , / (19)
 () (38) 가 (form-fit) , (1, 2, 3, 4)
 (1, 2, 3, 4) / 2 (5) (1, 2, 3, 4) , 3 (6, 7, 8)
 , 2 , (26) 가 (24) 가 (1, 2) (15)
 가 (25) 가 (1, 2) (15) (26) (27)
 (15) (31)
 3 1b (bulge, 22, 23) (40, 41) (1
)
 4 1a 1
 5 (1, 2, 3, 4) , 2 가
 (9, 10) (5) (1, 2, 3, 4) 가 (A)
 (1, 2, 3, 4) (lifting)
 가) (broached profile) , ()
 , (1, 2, 3, 4) 가 ((19)
)) (A) V (A) , ,
 (1, 2, 3, 4) 1
 (11, 12) (大) (13) 가
 10e (5) (31) (13)
 (multi-piece sheet-metal) (45) (6, 8)
 , (31) (14)
 가 , , (14)
 가 , (1, 2, 3, 4) (11, 12)
 (S) (15) (, (38)) 5 6 , (17)
 (14) (5) (19) (1, 2, 3, 4)
 (17) (19) (18)
 , 5 6
 가 (movability) , 2
 (44) 가 (31) 'S' (20, 21)

(1, 2, 3, 4)

(11, 12)

(14) (5)

(31)
2

(1, 2, 3, 4)

가 가

2

()

가

가 가

가 가

가

(>100 cm²)

, 4

가

3

가 4

가

2

1 6
(self-locking)

(50) 가

(31)

7

8

(V))

(51)

(6)

7

가

(50)

가

(6)

가

(7, 8)

가
()

(50)

7

, 0.1

0.4 mm

(clock times)

() 1

가

가

(6)

3 (53) 1c 9 (11) 1 (12)
 (19) 가 가 , 1a 2 (4)
 5) , .

10a 10d 1a 1d 2
 , 2 1 . 2
 (13) 10a (45) 2 (42, 43)
 , 2 (31) 가 (3, 4) (11, 12) 가 (31) (42, 43) 가 (40, 41) (10d) 가 (31) ()
) 가 가 , .

10e (45) (31)
 , (5) (6, 8) ,
 (3, 4) .

1 2 10c 10c 10c 1c
 , (1, 2, 3, 4) , , (38) 가 (38) 가 (7,
 8) (19) , (38) 10c , ()
 , (1, 2, 3, 4) , (/) .

1c 1 10c 2 (3, 4)
 (31) 2 (31) 1 (55)
 (15) , 11 ,

11 2 , 11 , 2
 (3, 4) . (55)
 (56) 가 10c , (55)
 (31) 2 (57) 가 (55)

11 7 8 가 (51) 가 (31) (50)
 , 11 가 (51) (51) (50) (50)
 , 가 (annular groove) (50) , (5)
 8 , 가 , (50) 가 가 , .

14 (50)
 , , 14 , (50)
 , .
 가 ,
 (end flush) 15 (31)
 (6) (51) .

2 12 13 1 5 6 가
 , (38) , (19)
 . 12 13 (5) () ()
 3, 4) (19) 13 , (3, 4) (38) 가 (38) 가
 (19) (19) , 12 (38) 가

가 12 (31) 가 , .

(57)

1.

가 (5), 가 , (5)
 가 (31), (1)
 (1, 2, 3, 4) , 2 (1, 2)
 (1, 2) , (5) 가 (3, 4)
 2 (3, 4) (6, 7, 8)
 (31) 2

2.

1 (1, 2, 3, 4) , 3 , 3 (6, 7, 8)

3.

2 , 3 (6, 7, 8) 가 (8) (7) (19)
 (38) 가 (19) (1, 2, 3, 4)

4.

1 (1, 2, 3, 4) , , ,

5.

2 (19) , 3 (6, 7, 8) 가 (8) (7)
 2 (3, 4) 가 (38) 가

6.

1 (1, 2, 3, 4) 가 ,

7.

1 (3, 4) , (1, 2) (31)

8.

6 (5), (17) 가 (6, 7, 8) , (38), /
 (1, 2, 3, 4) (31) 가 (5)

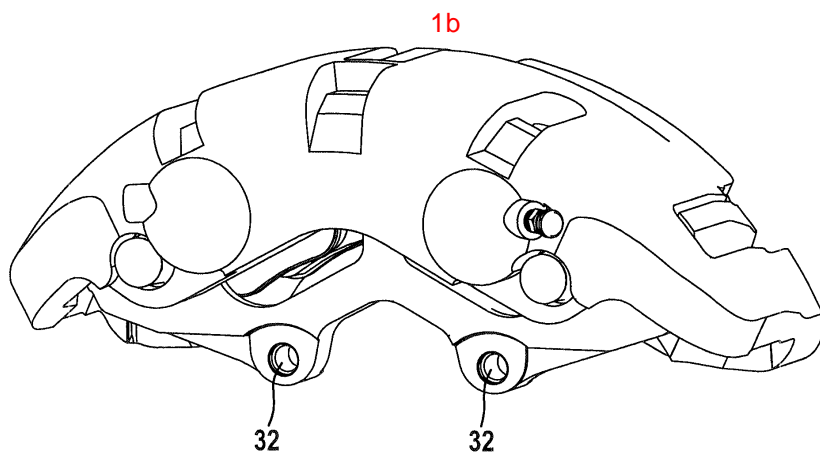
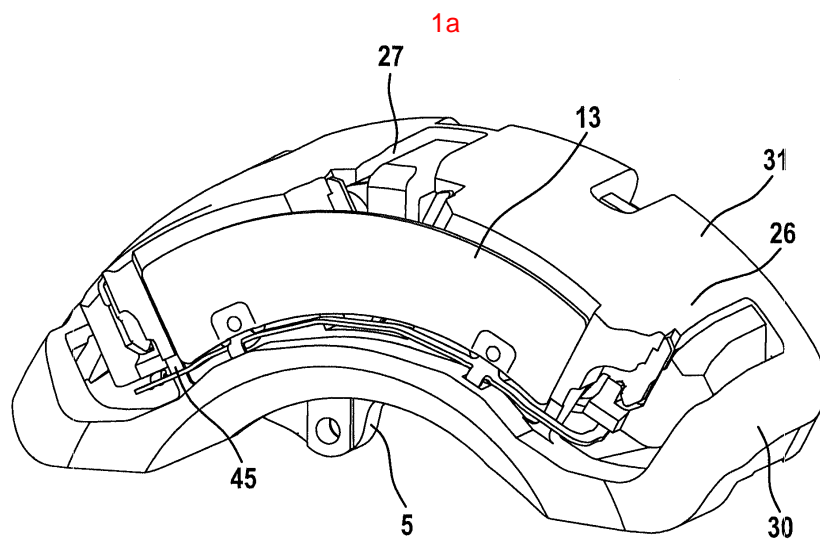
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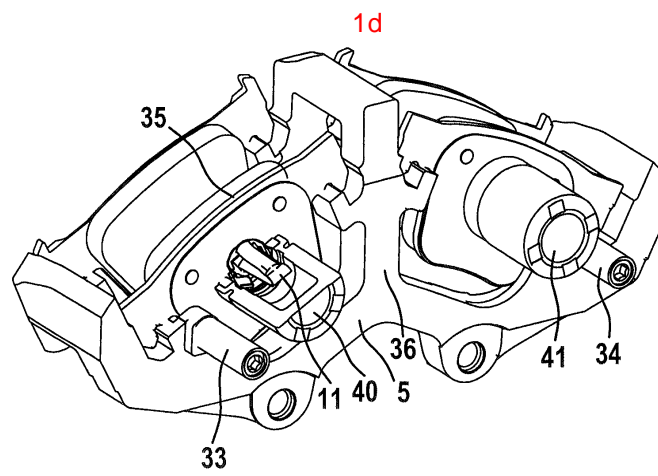
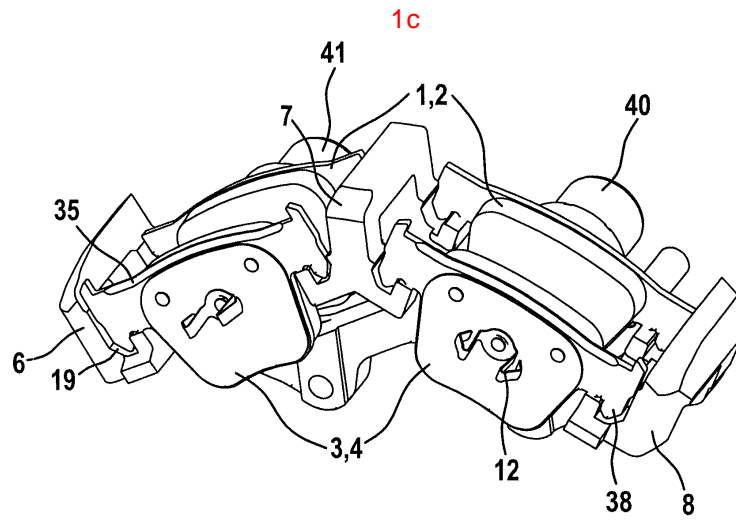
- 3
9) , 3 (7) 2 (1
(1, 2 3, 4,) (38)
10.
1 (1, 2, 3, 4)
11.
1 (44) , (1, 2, 3, 4) (31) 가 (20, 21)
(1, 2, 3, 4)
12.
3 (1, 2, 3, 4) (38) (19)
(pulling force)
13.
2 (31) (26) (7) (27)
14.
1 (31) (55) (3, 4) , ,
15.
1 (31) 2 가 , ,
(42, 43) (1, 2, 3, 4)
(11, 12) , (40, 41)
가
16.
1 (web, 30) (31) 1 , 1 2 (6, 8)
17.
1 (50, 51) (6) (31)
18.
17 (50, 51) , (6)
19.
17 (26) (50, 51) , (31) 1 (6, 8) 1
(20, 21) (31) 가 (20, 21)
20.
18 (50, 51) (31) , 가 (51)
(6, 8)
- 21.

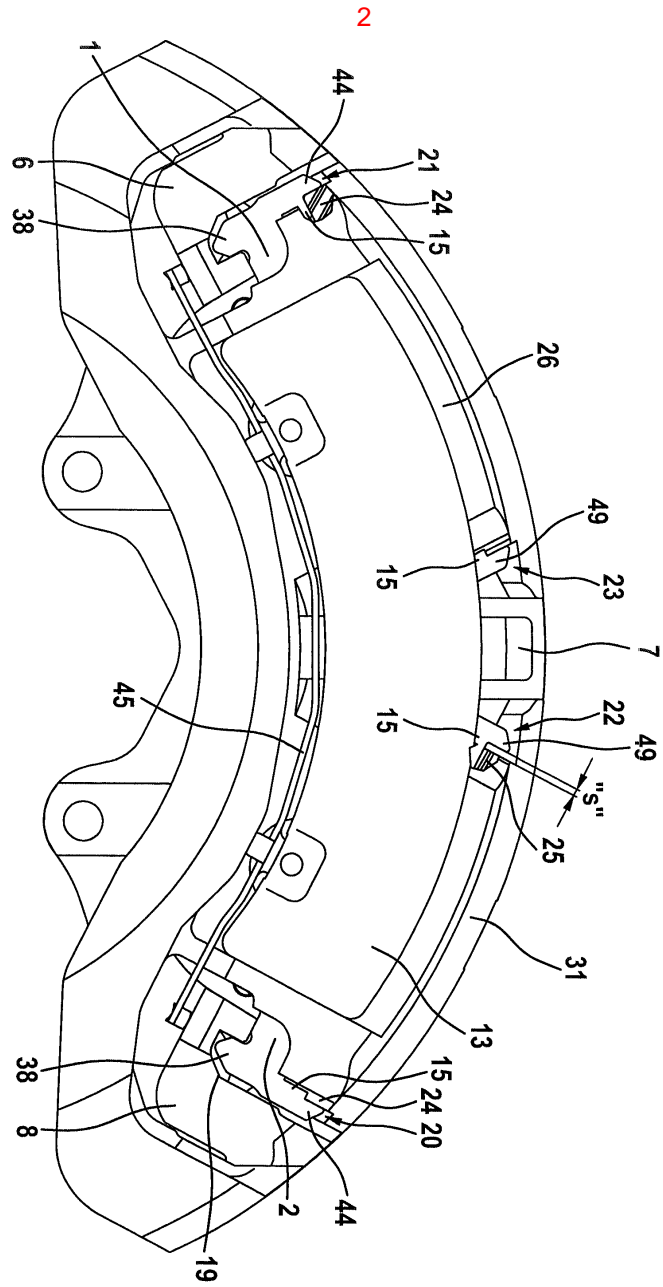
20 (setscrew) , (50, 51) 가 (31) (26)

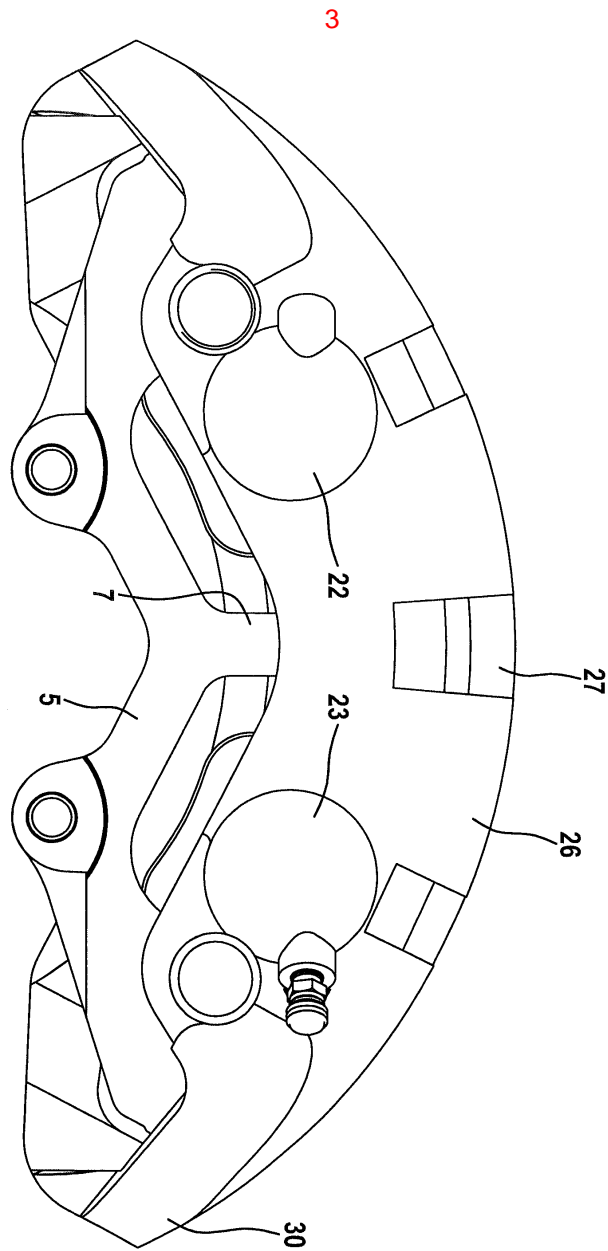
22. 21 (stop) 2 (pluggable pin) (20, 21) (50, 51) , (2)
6) (marking), (51)

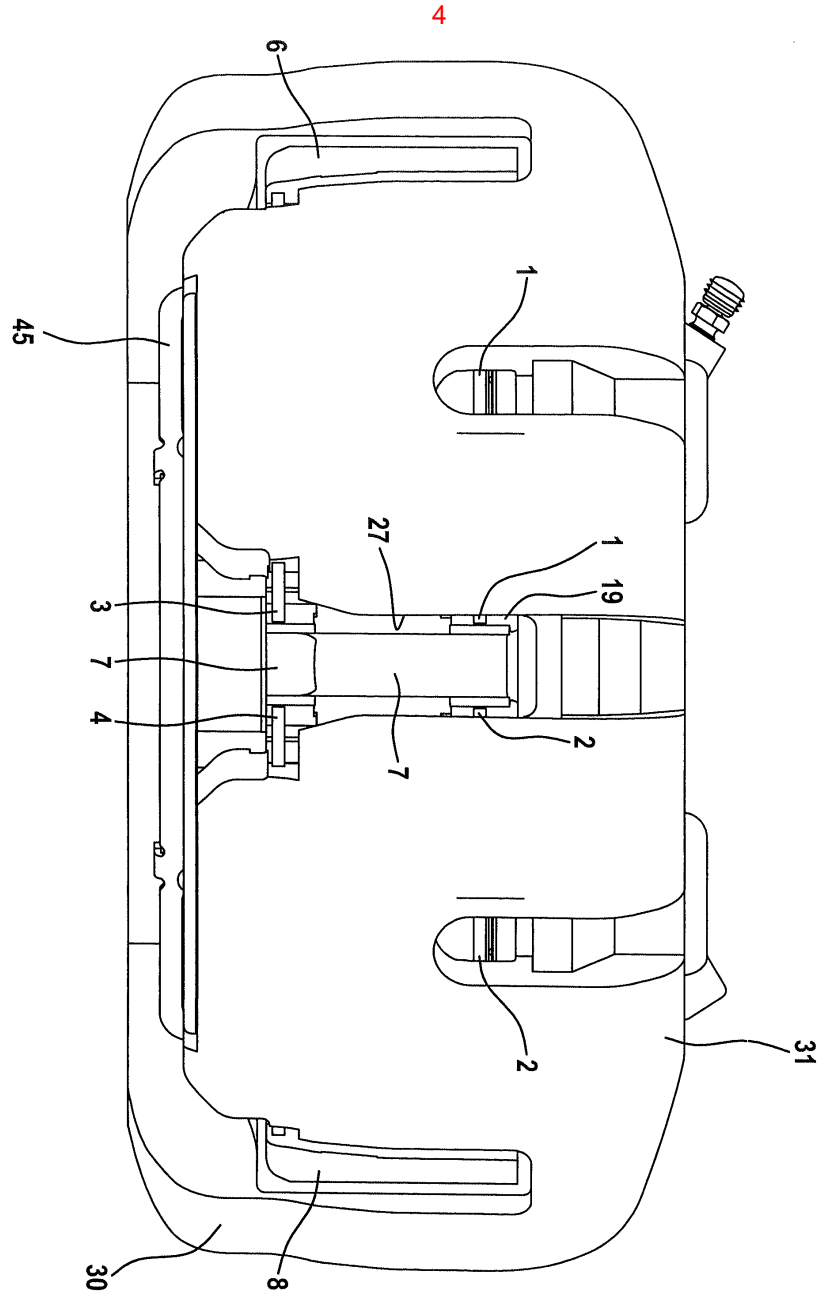
23. 13 (55) , (56) 가

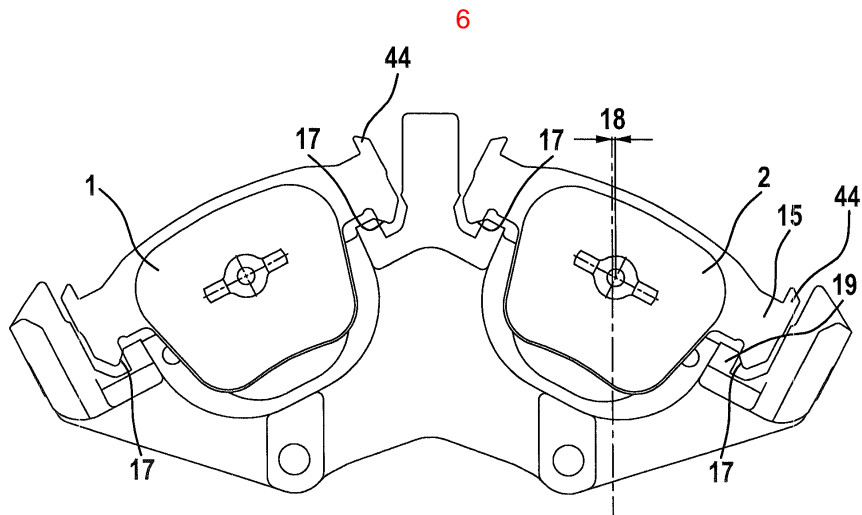
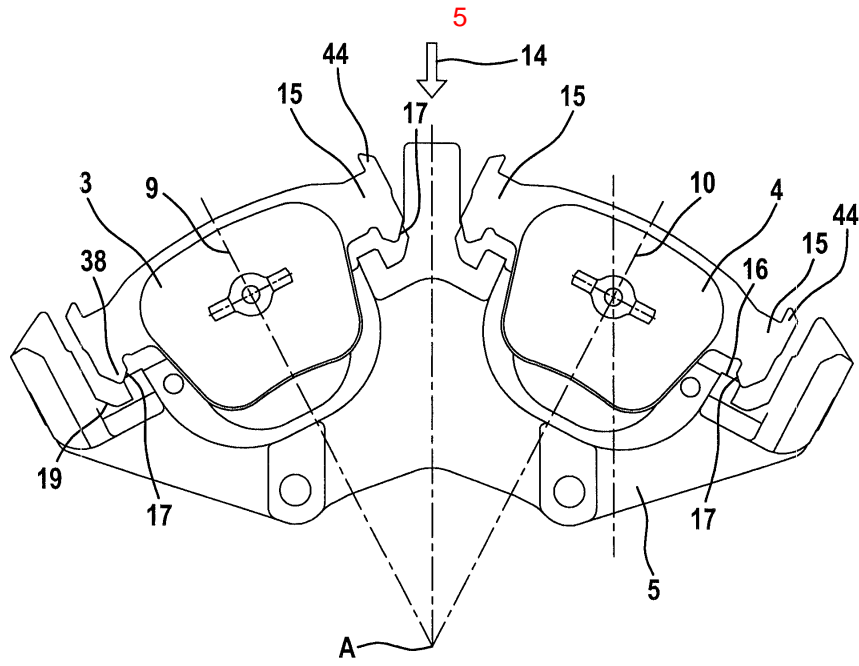


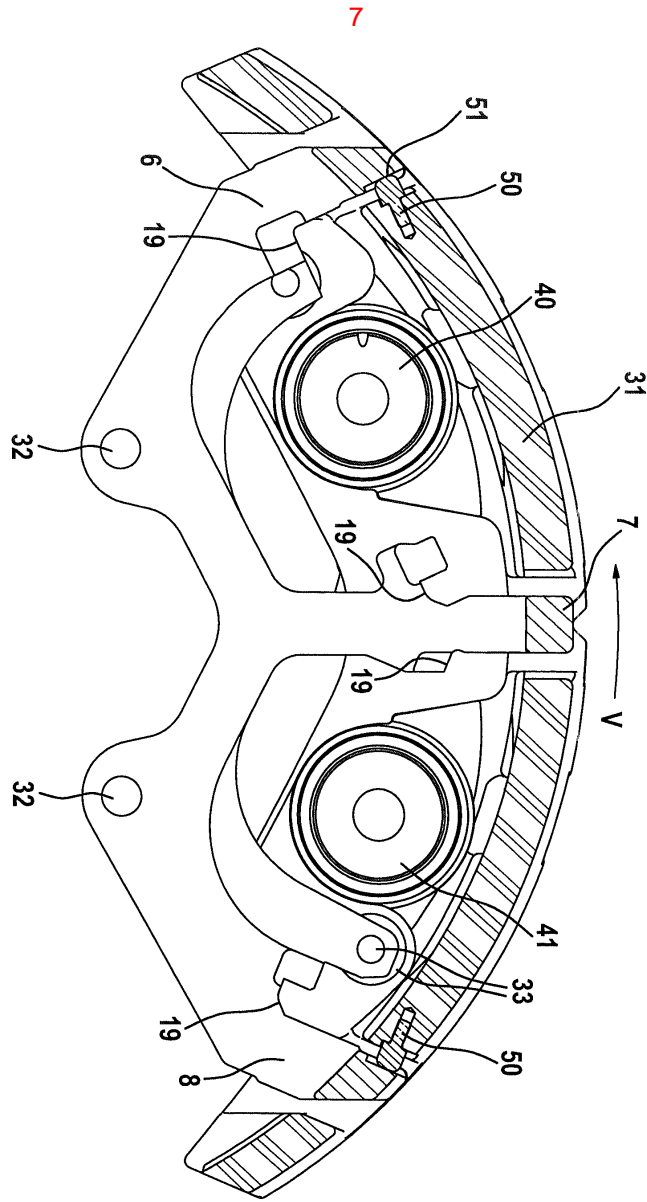


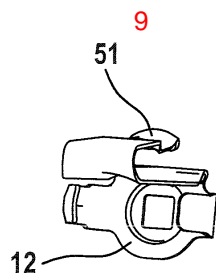
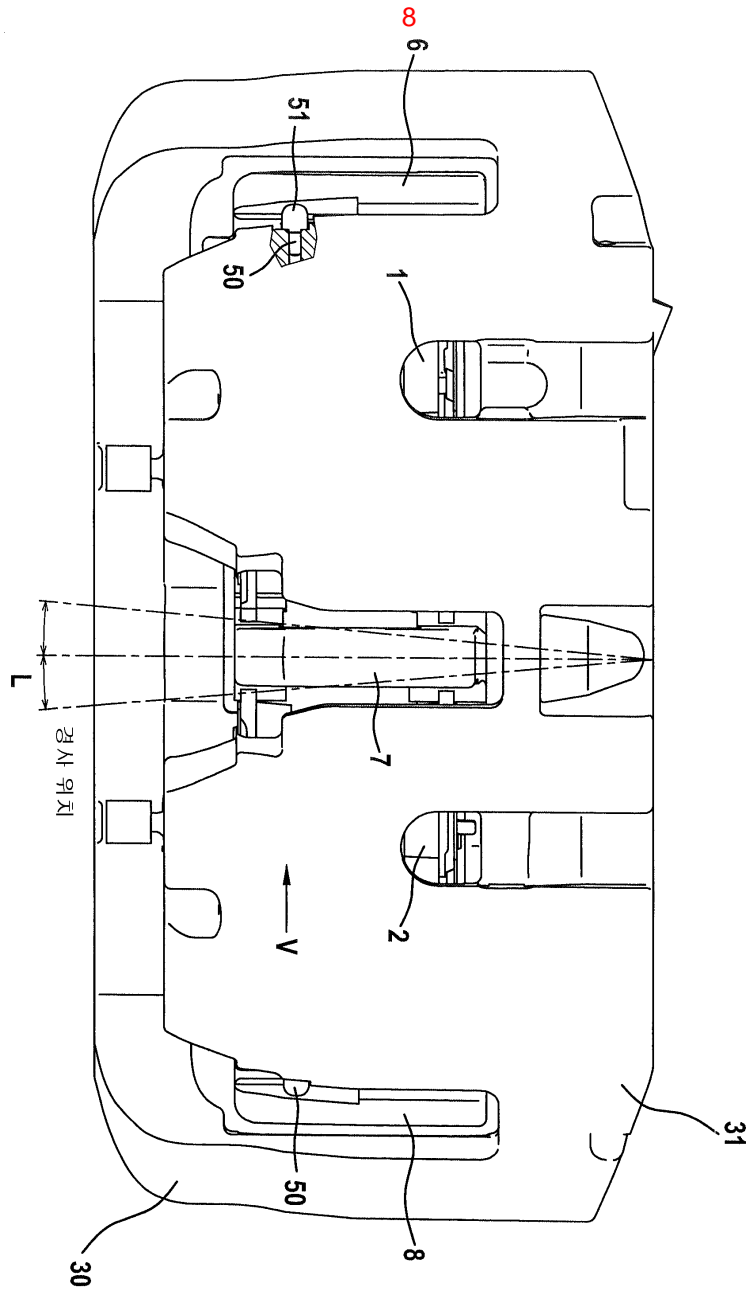


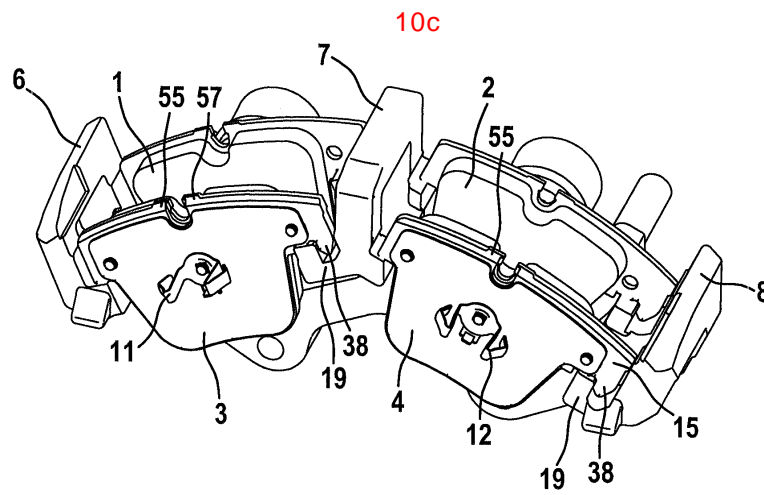
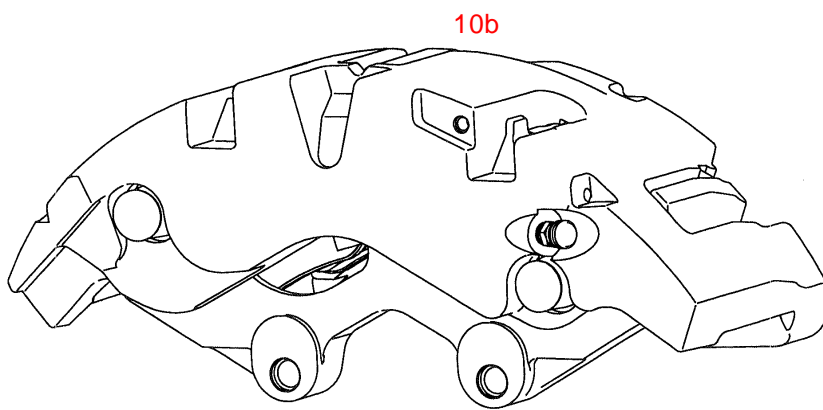
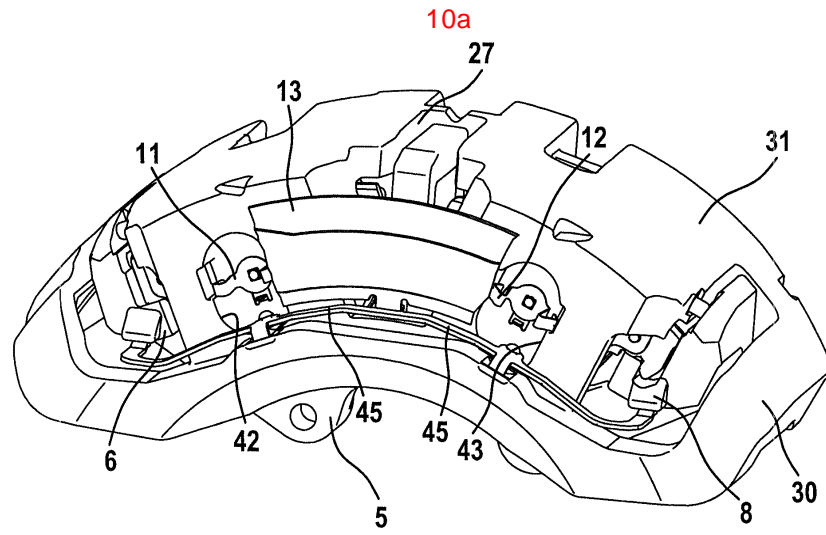


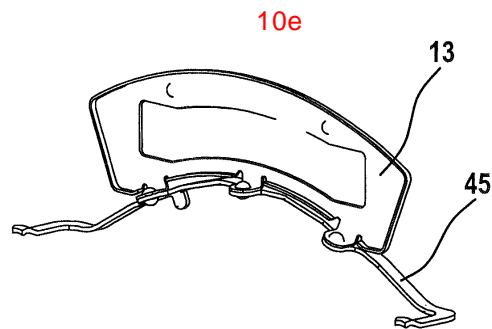
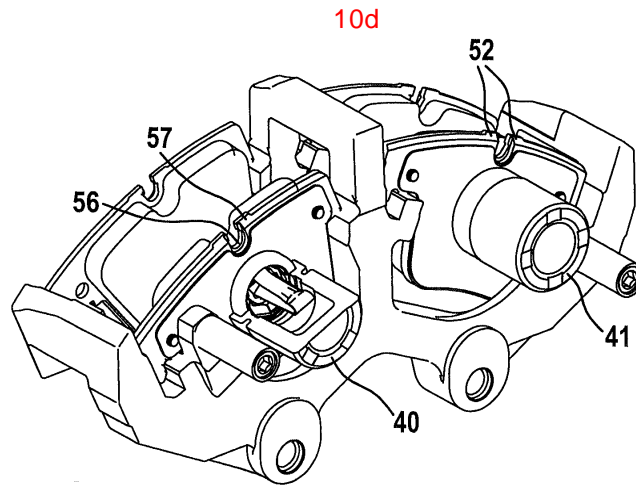




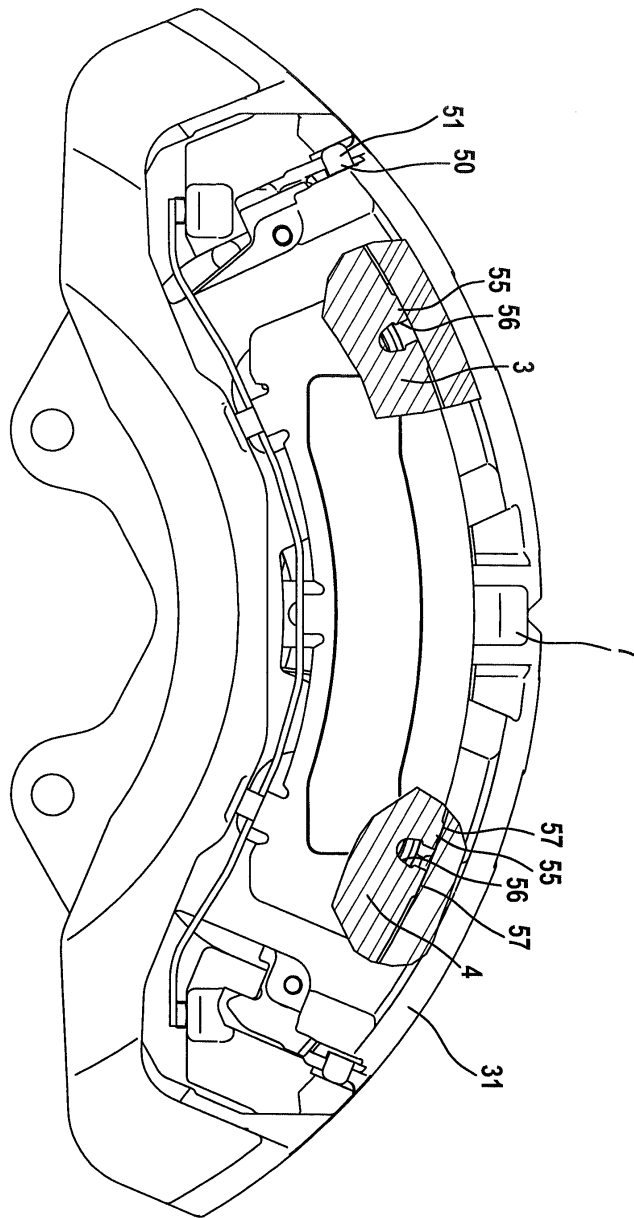








11



12

