

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
B42D 5/00

$$\begin{pmatrix} 11 \\ 43 \end{pmatrix}$$

2001 - 0073066  
2001 07 31

|      |                     |
|------|---------------------|
| (21) | 10 - 2001 - 7002597 |
| (22) | 2001 02 28          |
|      | 2001 02 28          |
| (86) | PCT/US1999/05822    |
| (86) | 1999 03 18          |

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| (87) | WO 2000/12324 |
| (87) | 2000 03 09    |

[illegible]

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| (30) | 09/144,946 | 1998 09 01 | (US) |
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(71)

55133 - 3427 . . . 33427 3

(72)

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| 55133 - 3427 | . | . | 33427 |
| 55133 - 3427 | . | . | 33427 |
| 55133 - 3427 | . | . | 33427 |

(74)

:

(54)

(35) (10) . (

12) , 2 1 (18) , 2 1 2 .

1

, , , , , , ,

, .

가 . , . ,

. ,

가

.

, 가 . ,

, .

. 1 2 , 2 1

2 .

, .





, 1 , 2  
 .  
 , 1 2 , 1 2 ,  
 1 2 .  
 , 4 1  
 2 .  
 .  
 1 .  
 2 1 .  
 3 .  
 4 1 3 .  
 5 4 .  
 6 1 (easel) 5 .  
 7 2 5 .  
 8 5 .  
 9 3 ,  
 .  
 10 .  
 11 .  
 12 .  
 13 가 .  
 14 13  
 .  
 15 14 15 - 15 .  
 16 .  
 17 .

가

1 (35) (10) (10) (12) (12)  
 (18) (12) (35) (14) (14)  
 (16)

(18) (14) 1 (20) 2 (22) 1 2 (20, 22)  
 (20, 22) (10) (16) (14) 1 2 (20, 22)  
 (20, 22) (12)가 1 2  
 (14) (18)  
 가 (14) 1 2 (20, 22) (24)

2 (36) (35) 1 (36) (38)  
 (38) (37) (12) (14) (36) (35) (18)  
 (36) (35) (38) (36) (3)  
 8) 1 2 (20, 22) (36) (38)  
 (38) (36) (37) 가 (36) (37)  
 (36)가 (10) (36) (18)  
 1 (20) 2 (22) (36) (38) (37)  
 (20, 22)  
 가

(14) (18) (18)  
 (14) (18) (14)  
 가 (14) (35)  
 (18) (14) (36) (37)  
 (36)

(36) (35) (12) (14) (36) (35)  
 (14)  
 Minnesota Mining and Manufacturing 가 Scotch( ) Double Coated Tape 6  
 65 (20, 22) (35)가 (10)  
 (36) 가 (36) (35) (14)  
 (35) (36)가 (10) (36) (35)  
 (10)

1 2 (14) 4 (18) , (36) 3 × 3  
 (7.62 cm × 7.62 cm) (35) . , (10)  
 (36) 가 . , (10) 3 × 5  
 (7.62 cm × 12.70 cm) , , 8 ,  
 가 . (18) (20, 22)  
 (36) . (36) " Post - it"  
 Minnesota Mining and Manufacturing 가 가 . (20, 22)  
 (36) (35) .

3 (50) , 4 7 (10)  
 (12) . (50) 1 (52) 2 (54) .  
 (50) 1 (52) (12) (16) 가 (58) 가  
 (56) . 2 (54) 가  
 . , (50) 2  
 (50) 2 (70) (60)  
 . (50) 5,358,141 .

4 , (50) 1 (52) (58) (12) (16)  
 1 (28) 가 . 1 , 1 (28) (12)  
 (16) . 2 (32) (16)  
 . , (28, 32) (12) (16) .  
 , (10)  
 . 1 (28) (30) (29) .  
 2 (32) (34) (33) (50)  
 (58) 1 2 (28, 32) (29, 33) (30, 34) 가

4 5 (50) 10A 10B (10)  
 . 4 , (50) 1 (52) (12) 1  
 (28) . 5 , (50) (12) (12)  
 2 (32) . (50) 1 (28) 2 (32)  
 가 . (50) (29, 33) (58)  
 (58) (30, 34) (28, 32) 가 .  
 (50) (30, 34) (58) (29, 30) (58)  
 (28, 32) 가 .

5 , (50) (12) 2 (32) , (10B)  
 가 가 . 6 1  
 (10A) . 1 , (50) 2 (54) 2 (32)  
 1 2 (18A, 18B) (40) . (40) (12) (14)  
 . 7 2 (10B) . 2 , (50)

2 (32) 3 4 (18C, 18D) (40)  
 (40) (12) (14) 가 (10)  
 (12) 2 (32) (12)

4 (50) (12) 1 (28) (1  
 0) (18) (40)  
 (36) (38) (18) (20, 22) (10)가  
 (36) (35) (35)가 (14)

8 10C (10) (70)  
 (70) (40) (10) 가 (70) (50) 2 (54)  
 가 (54)가 (70) (72) 가 (70) (7)  
 2) (50) 2 (54) (60) (70) (72) 가  
 (50) 2 (54)가 (70) 가  
 (70) (40) 가  
 가 2 (54) (40)  
 가 (70) 5,358,141

9 (90) 10D (10) (4 7  
 ) (12) (50) (10D) (40) (36)  
 (35) 가 (12) (90)  
 (92) (94) (92) (92)  
 (12) 1 가 (90) 1 2  
 (90) (steel shot) (90) (50)  
 2 (54) 가 (50) 2 (54) (60) (90)  
 (60) 가 (98) (98) (90)  
 (96) (90) 5,794,815

9 (12) 1 (28) 가 (50) 1 (52)  
 (50) 1 (52) (12) 2 (32)  
 (14) (12) (50) (90)  
 (18) (20, 22) (36) (38)  
 (36) (37) (18)

10 10E (10) (12') (100)  
 (100) (14) (110) (110)  
 (36) (35) (14)



(12) (14) (100) (12)가 (100)  
 (12') (28, 32) (12') (1  
 00) 2  
 (12') (100) 가  
 , (12') 가  
 (50) 11 15  
 1 가 , (100) 1  
 , (100) (12')  
 , (100)

11 10F (10) (120) (12') (1  
 20) (14) (122) (12)가 (120) (100)  
 , (12') (28, 32) (12') (1  
 2') 2  
 (12') (28, 32) 가  
 (50) , 12 15 가  
 (12') 1 가 , (120) 1 2 가 , (120)  
 , (120)

12 10G (10) (134) (130) 10  
 11 (12') (130) (132) (12')  
 (16) (134) , (12') (134)  
 (134) (130)가 (12') 가 , (134)  
 (36) 가 (134) (130) (12')가 , (134)  
 (35), (130)  
 (100, 120)

13 13 가 (150)  
 (150) 1 (151A) 2 (151B), (151A, 151B)  
 (152) (151) (156) (156)  
 (158) (151) (150) (155)  
 (150) (153) , (154) (150)  
 (153) (154) 1 2 가 , 1

14 10H (10) (12, 12') 1 2 (150A, 150B)  
 (151) (156) (18) (24) 가 1  
 (150A) (156) 1 2 (18A, 18B) 가 2 (150B)  
 (156) 3 4 (18C, 18D) 가 1 2 가 (150A, 150B)  
 (140) (140) (150A, 150B) (152)  
 (142) , (142) (14)

, 14 15 (10H) (136) (35) . (136) (137)  
 가 (136)  
 (35) . (136) 4,416,392  
 . (136)가 (35) (137) (140)  
 (18) (140)  
 , (18) (151) (155) (26) . (2  
 6) (155) (136)가 (142) (18) (24) (  
 (151) . (151) (35) (136)  
 ) (18) (150) (151)

15 15 - 15 14 (10H) . (151) (156)  
 (18) (24) 가 1 (154A) 1 (150A) (15  
 3) . 2 (154B) 2 (150B) (153)  
 . 가 가 가 가 , (136) (14)  
 가 (136)  
 (154A,154B) (14) 1 (14) 2  
 가 . (35) (136)가 가  
 . (154) 0.02cm(0.008 inch)  
 , 가 (154)  
 , (150) (153) . (154) (150)  
 (153)

(136)가 , (136) (35) (10)  
 (18) (24) 1 2 (154A,154B) (156) , (12) (  
 14) (136) (35) , 1 2 (154A,154B) (156) (1  
 8) (24)

16 (10) , (160) (160)  
 (18) (24) (151) (158)  
 , (160) (18) (151) 가  
 (stand alone) (160) . (160) (18)  
 (151) 가 가 (160) (162) (162)  
 (168) . (162) (18) (24) (150) (156)  
 가

(160) (164) (166) . (160)  
 . (164) (36, 136)  
 . (166) (165) (36, 136)

17 (10) (170) (170)  
 (151) (158) (18) (24)  
 , (170) (18) (151) 가  
 (170) (170) (172) (172) (174)  
 (172) (18) (24) (150) (156) 가  
 (170) (174) (176) (176) (170)  
 가 ,  
 (151) (18) 가 (170)  
 (170) (166) (164)

가

(57)

1.

a)

b)

1 2 , 2 1  
 2

2.

1 ,

3.

1 , 1 2 , 1 2  
 , 1 2

4.

1 , , 1 1  
 2 , 1

5.

4 , 1 가 .

6.

5 , 1 2 , 1 1  
2 가 .

7.

6 , 1 2 .

8.

4 , 2 .

9.

1 , .

10.

1 , 가 , .

11.

10 , .

12.

10 , 1 가 2 가 , 1 3 4  
가 1 2 가 , 2  
1 2 .

13.

12 , 1 .

14.

13 , , 1  
 , 1 가 , 1  
 .

15.

12 , 1 .

16.

15 , , , 1 가 , 1 .

17.

12 , 1 .

18.

17 , , 1 , , 1 .

19.

12 , 1, 2, 3 4 , 1 1 2  
 , 1 1 가 , 1  
 2 2 가 , 2 3 4  
 , 2 3 3 가 , 2  
 4 4 가 .

20.

12 가 , 1 1 2  
 가 1 , 1  
 .

21.

20 가 , 2 1 2  
 가 2 , 1  
 .

22.

1 , 1 , 1 2 .

23.

9 , .

24.

9 , 가 , .

25.

1 , , .

26.

25 , 가 , .

27.

1 , 가 .

28.

27 , , 가 .

29.

1 , 1 .

30.

29 , 1 가 .

31.

30 , , 1 .

32.

1 , 1 .

33.

32 , 1 가 .

34.

33 , , 1 .

35.

1 , 1 .

36.

35 , 1 가 .

37.

36 , , 1 가 .

38.

1 , , 가 ,  
1 , .

39.

,

a) ,

b) ,

1 2 , 2 1 , 1 2  
1 2 .

40.

39 , 4 , 1 2 .

41.

40 , 1 가 2 가 , 1 1 2  
가 , 2 3 4 가 ,  
1 2 , .

42.

,

a) , 1 2 ,

b) , 1 2 ,

c) 1 2 가 1 , 1  
2 .

43.

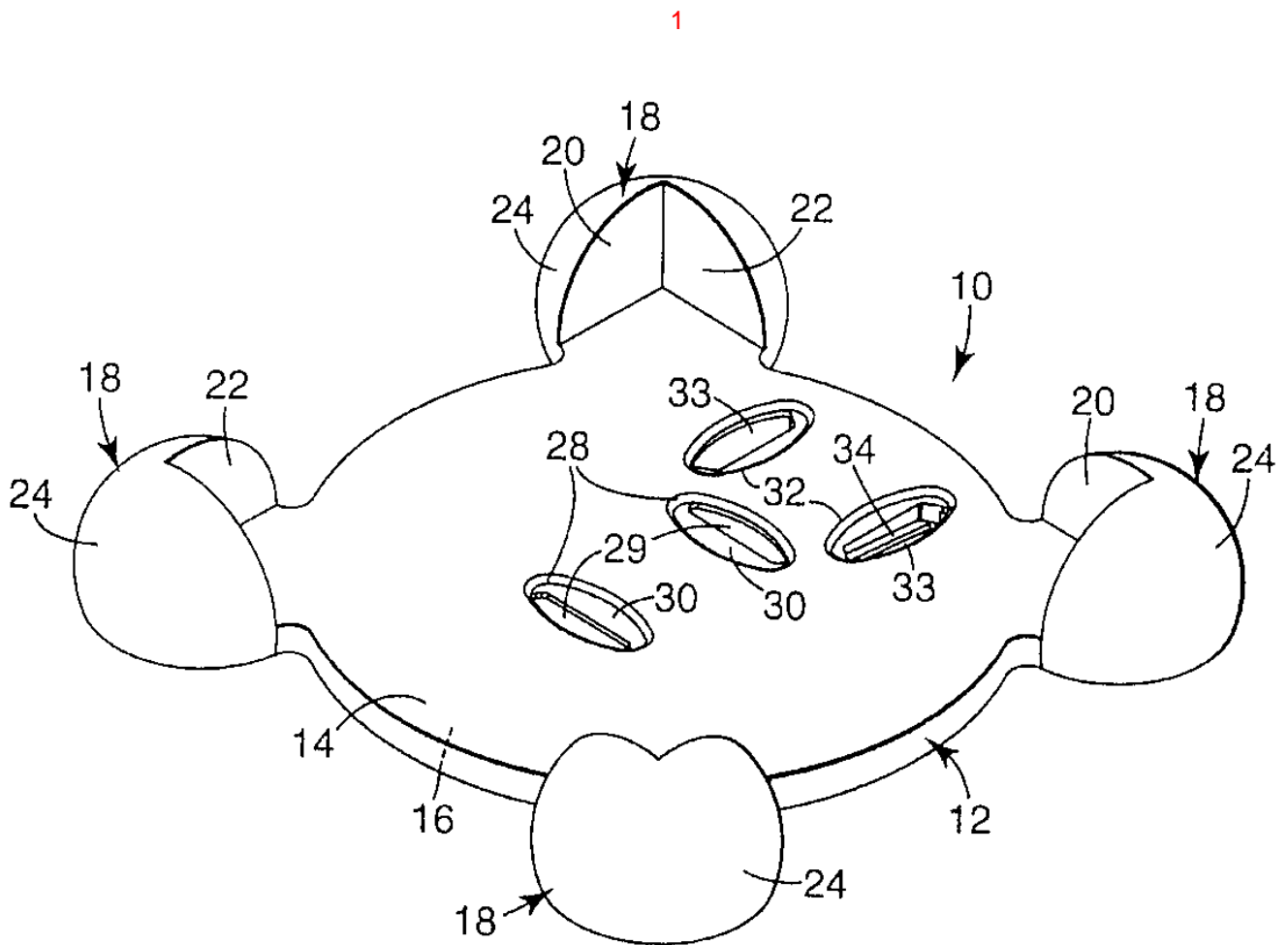
42, 1 2

44.

$$42^2, \quad 1^2, \quad 1^2, \quad 1^2$$

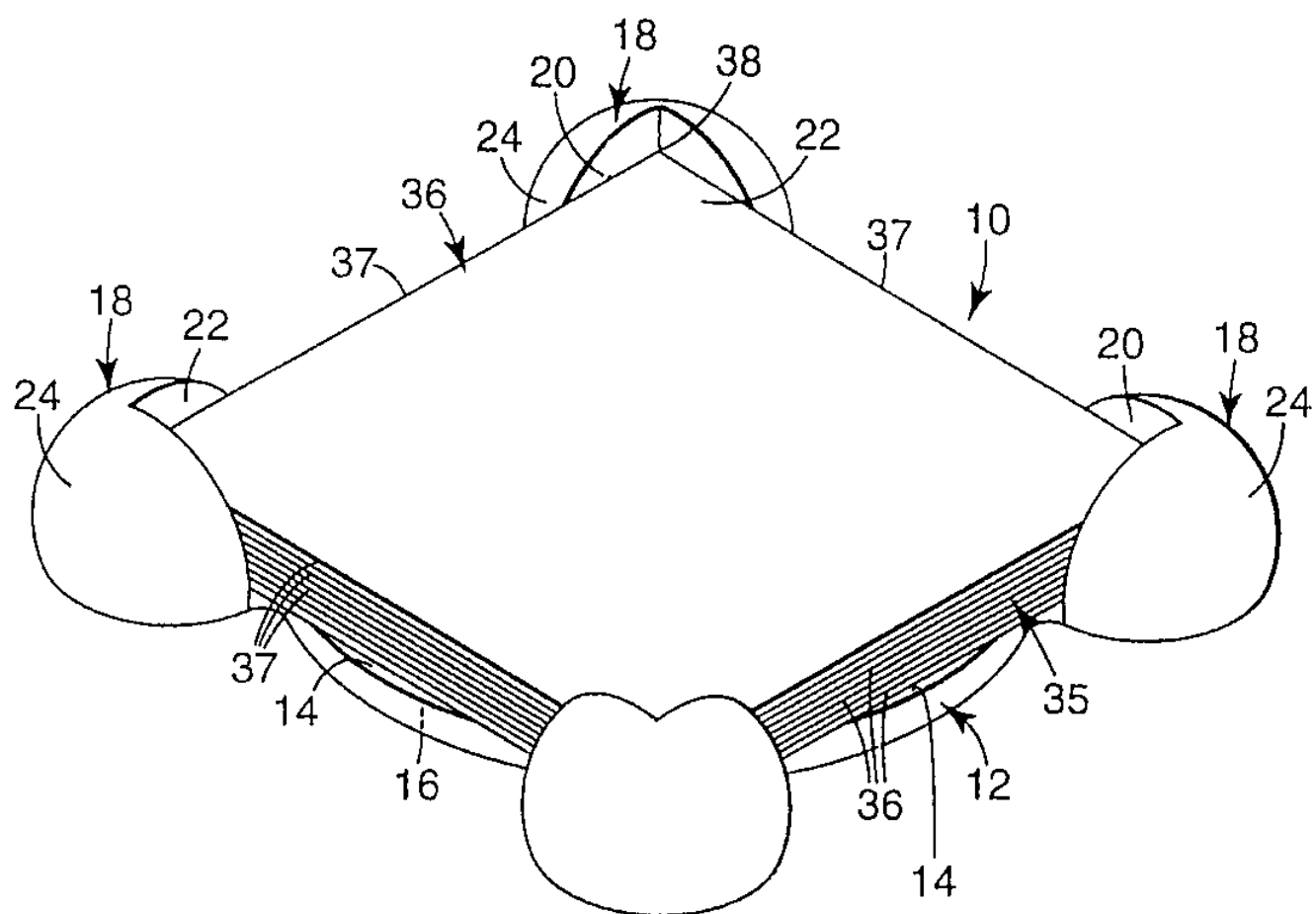
45.

42, 4, 1 2

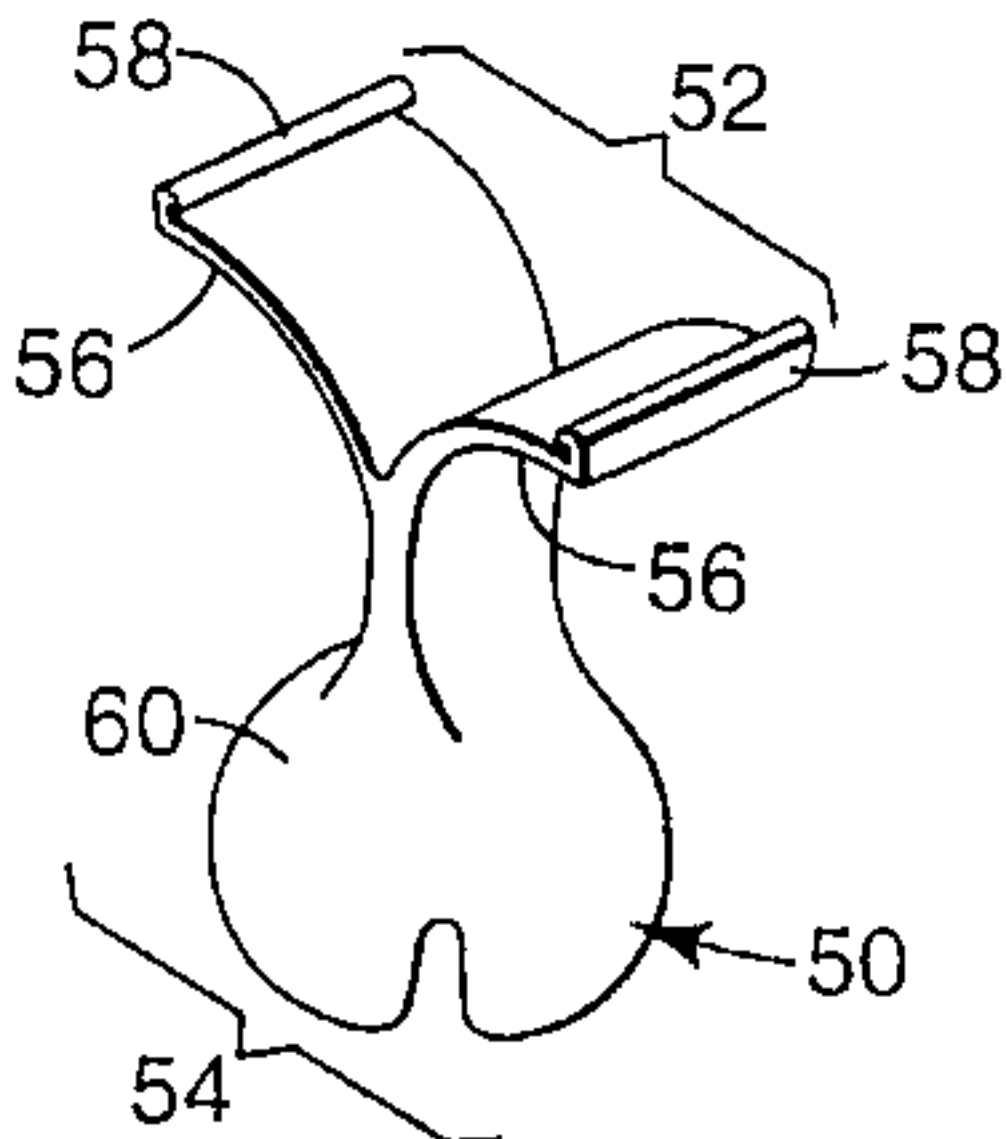




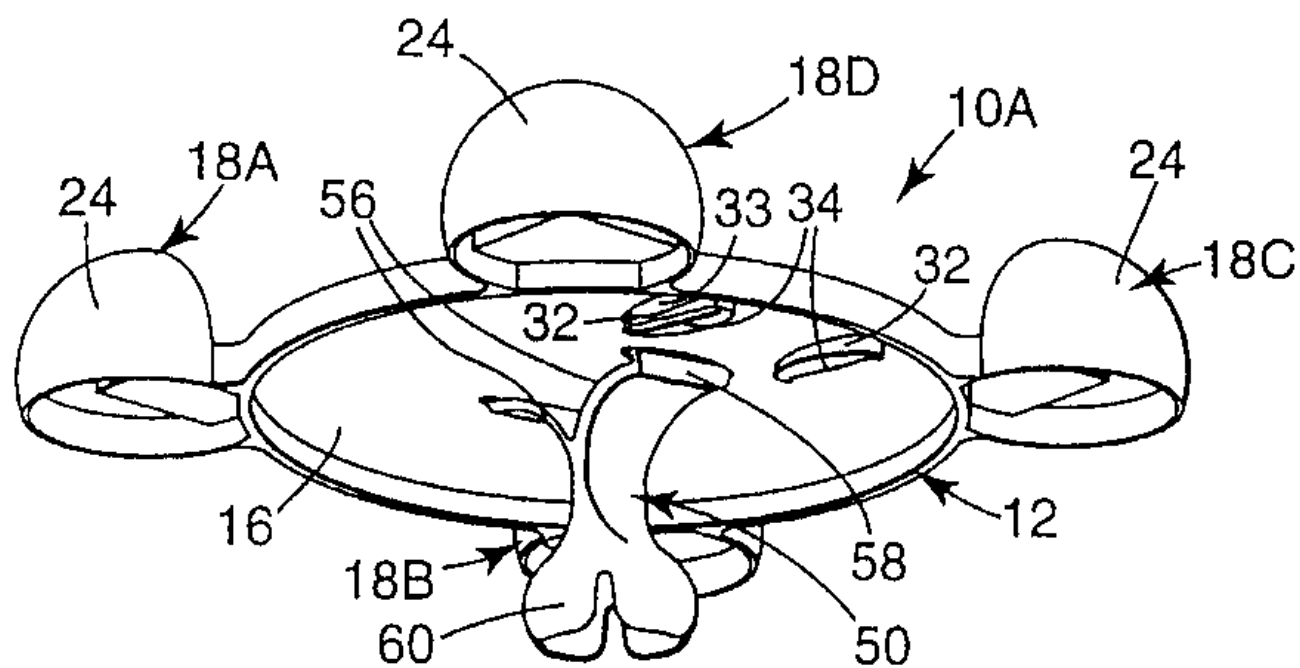
2



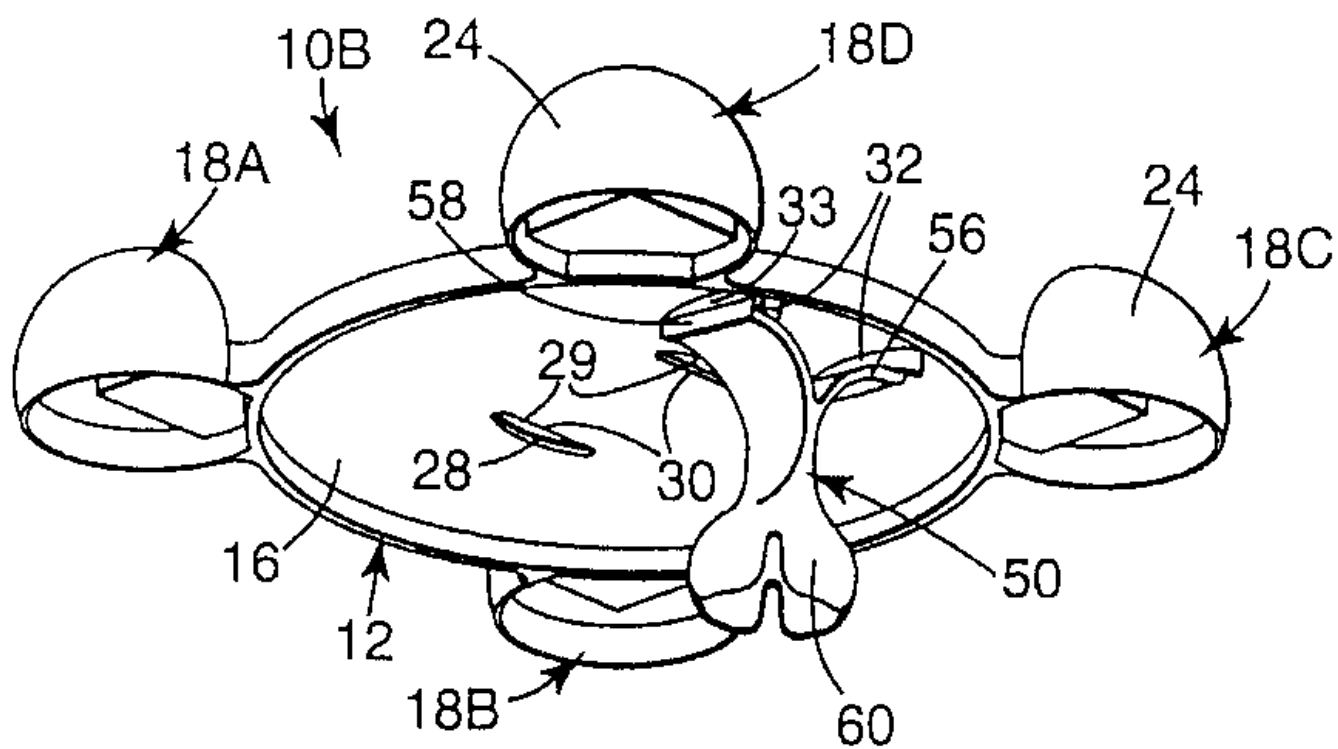
3



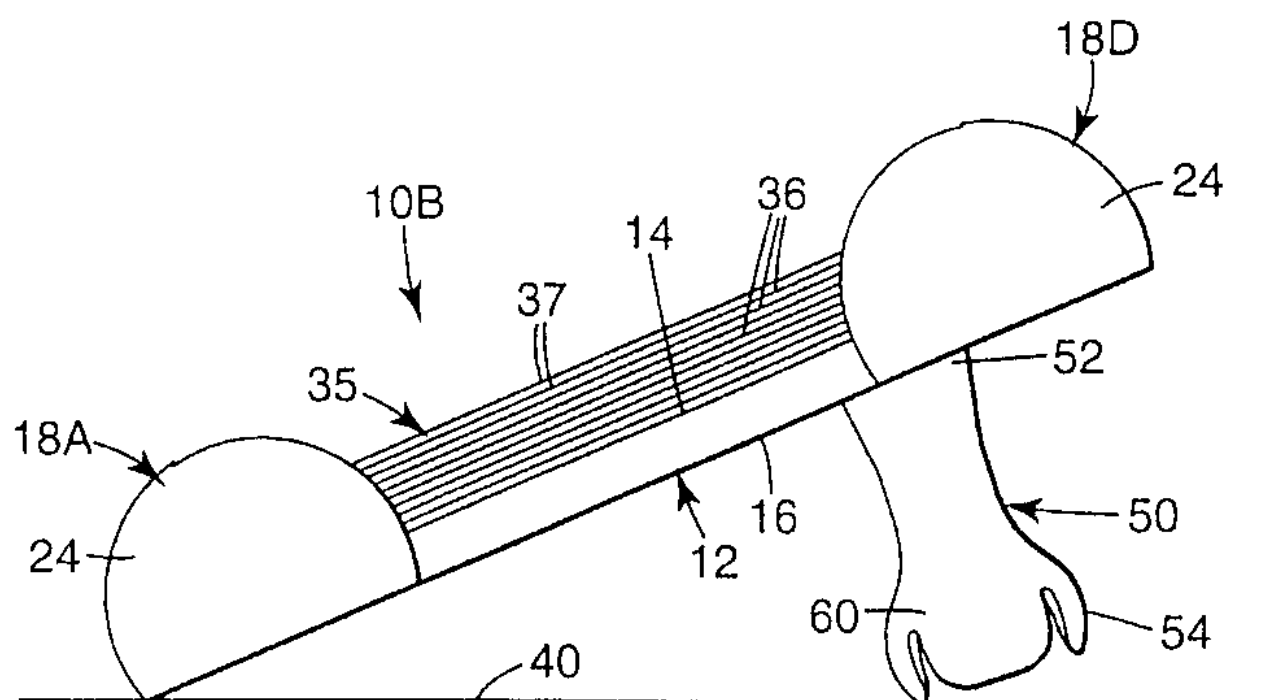
4



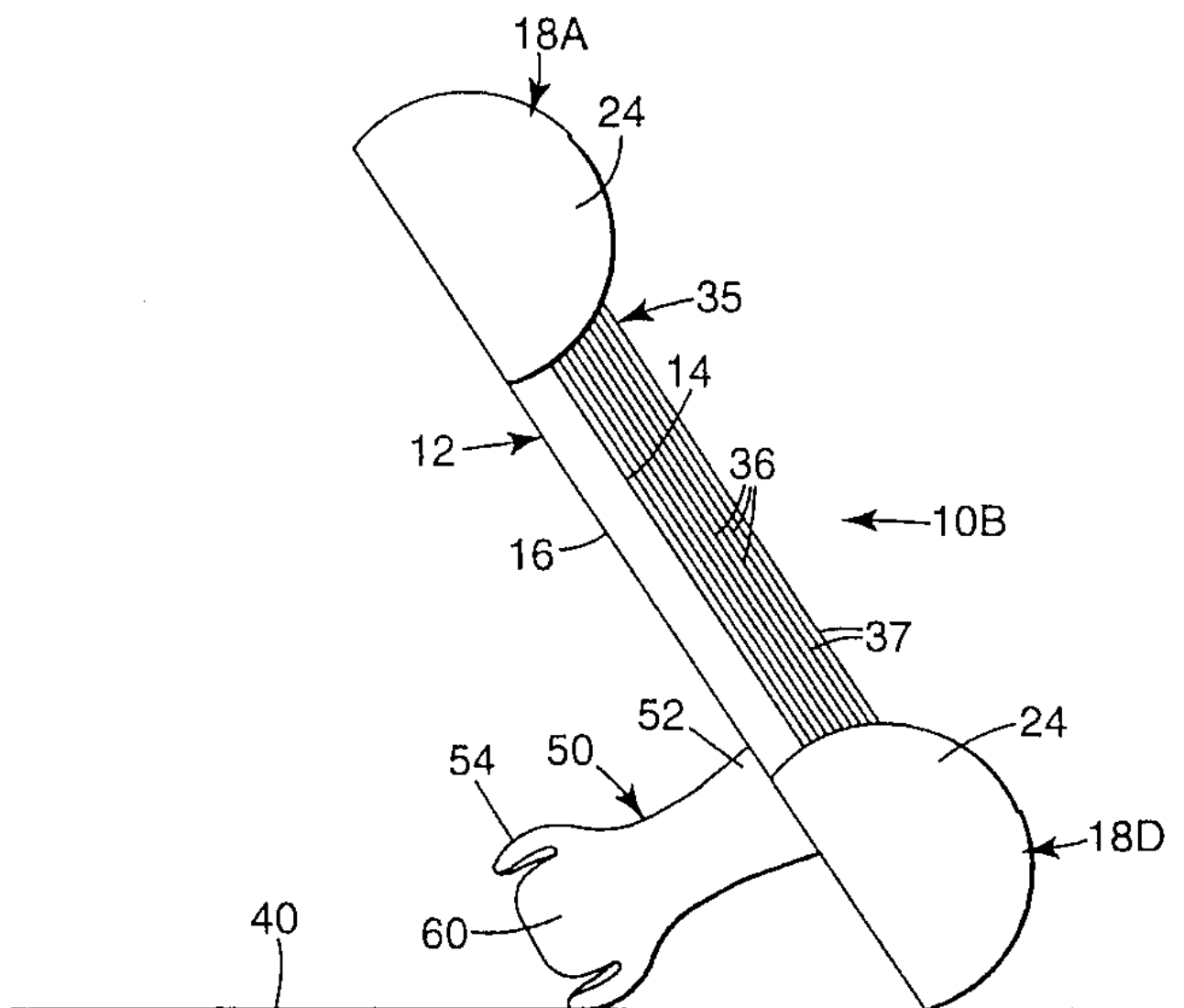
5

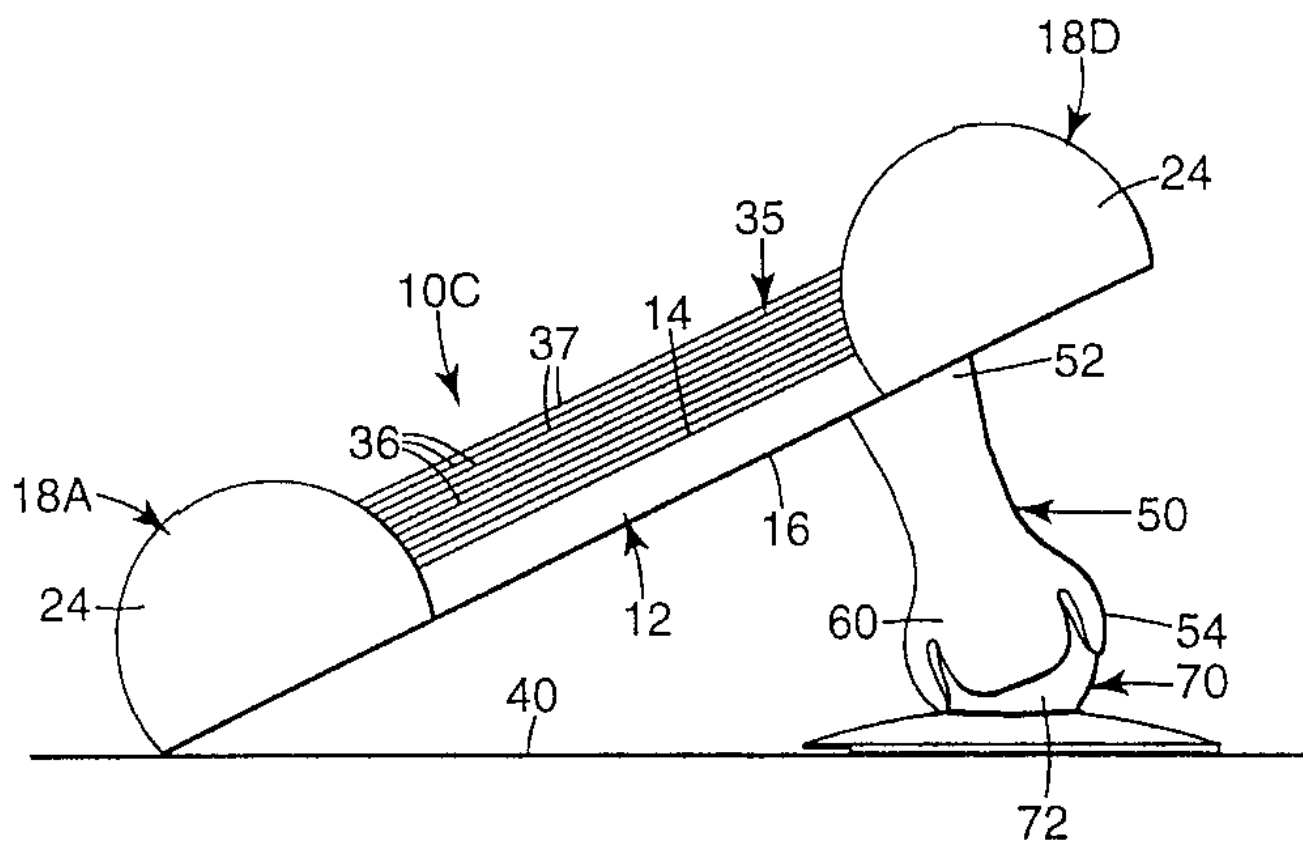


6

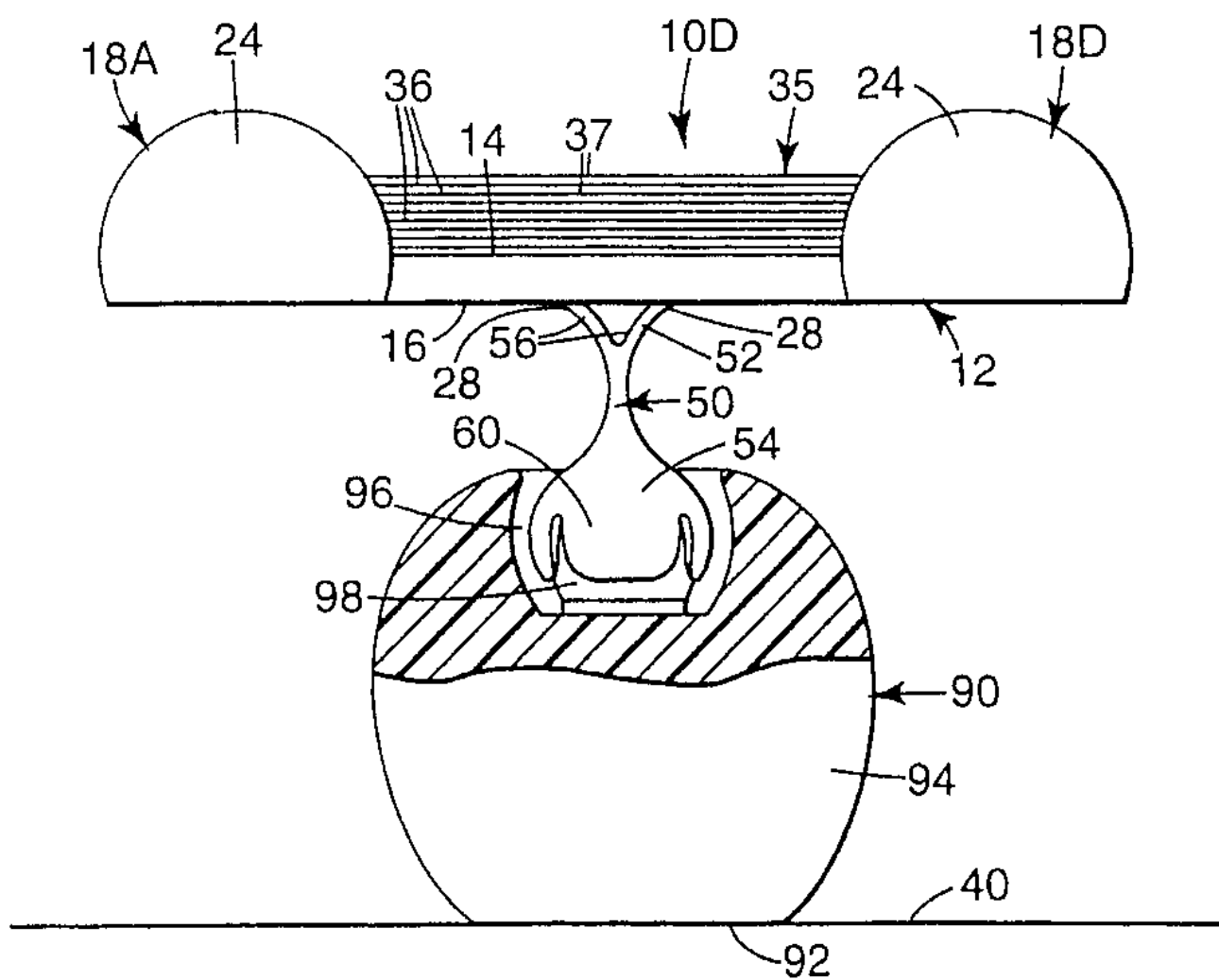


7

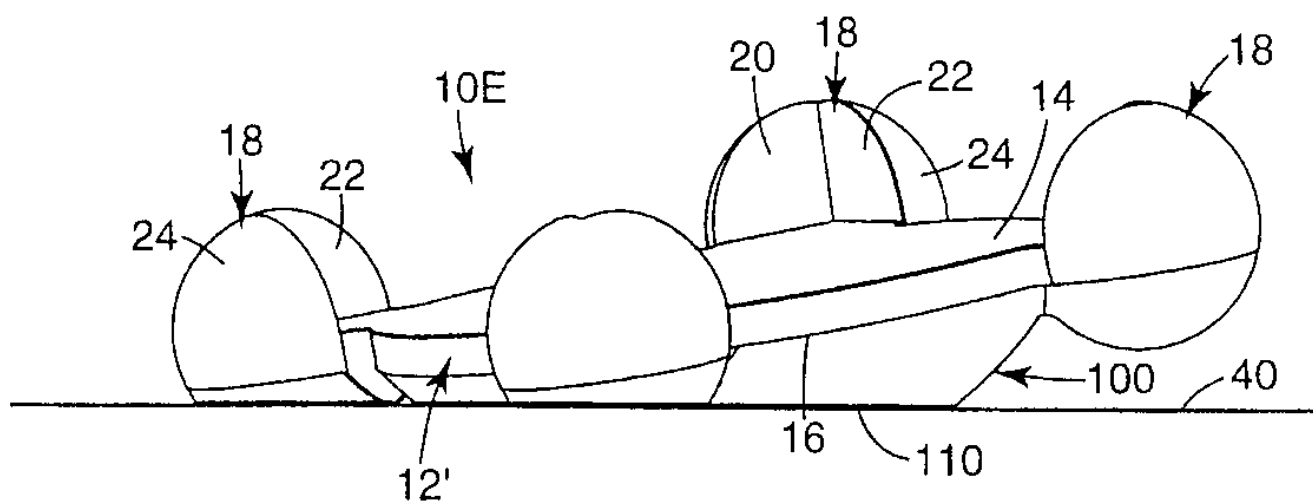




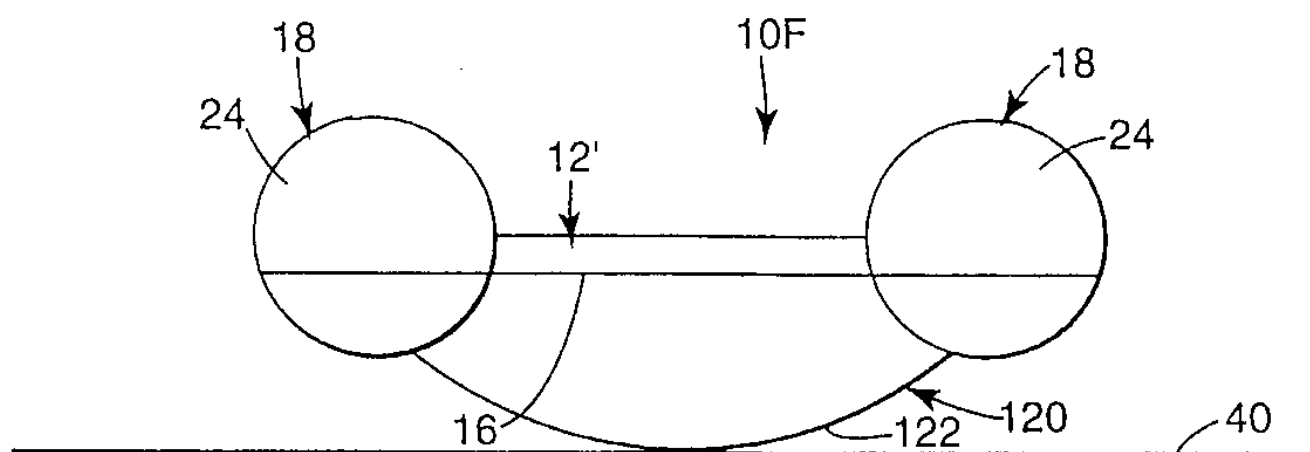
9



10

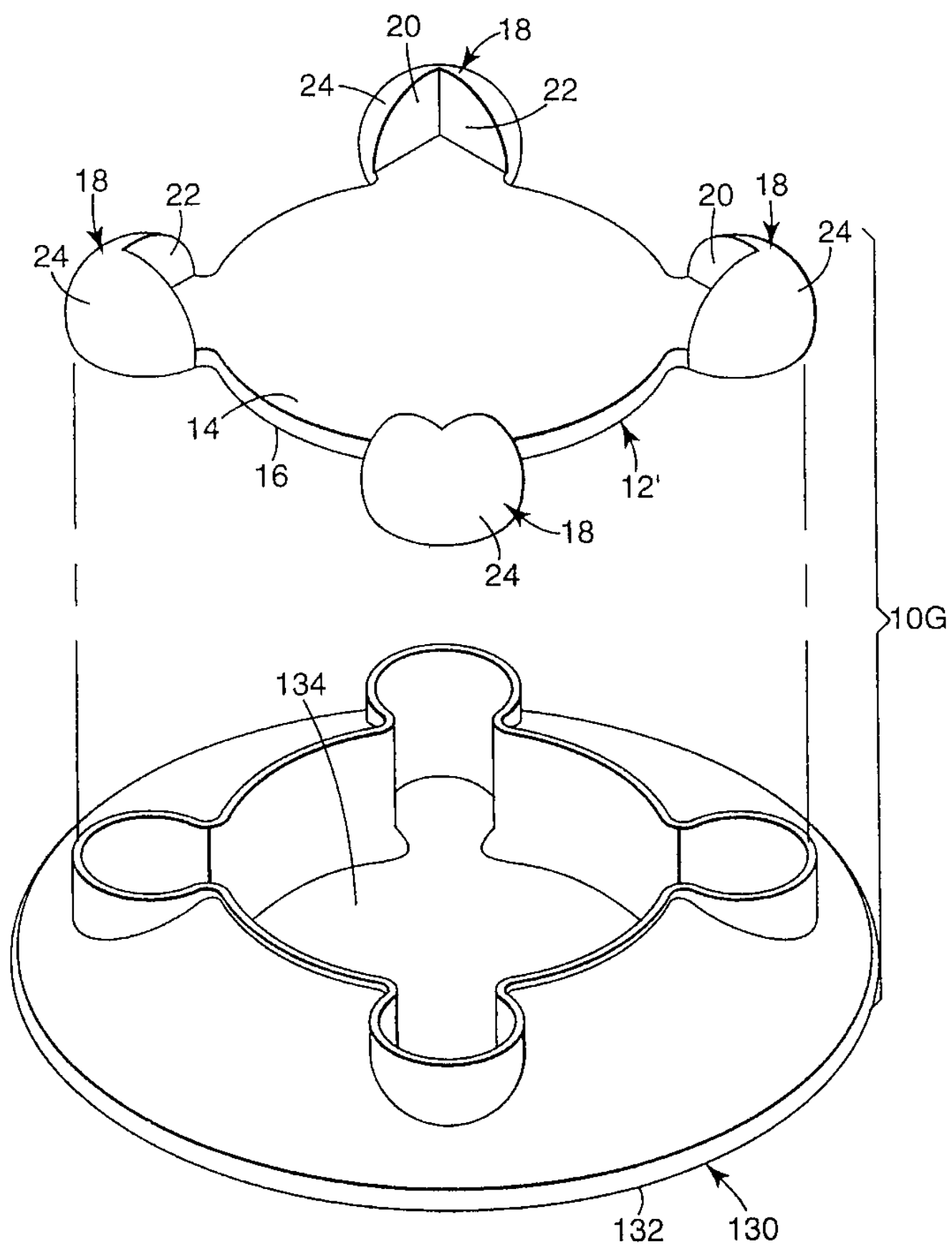


11

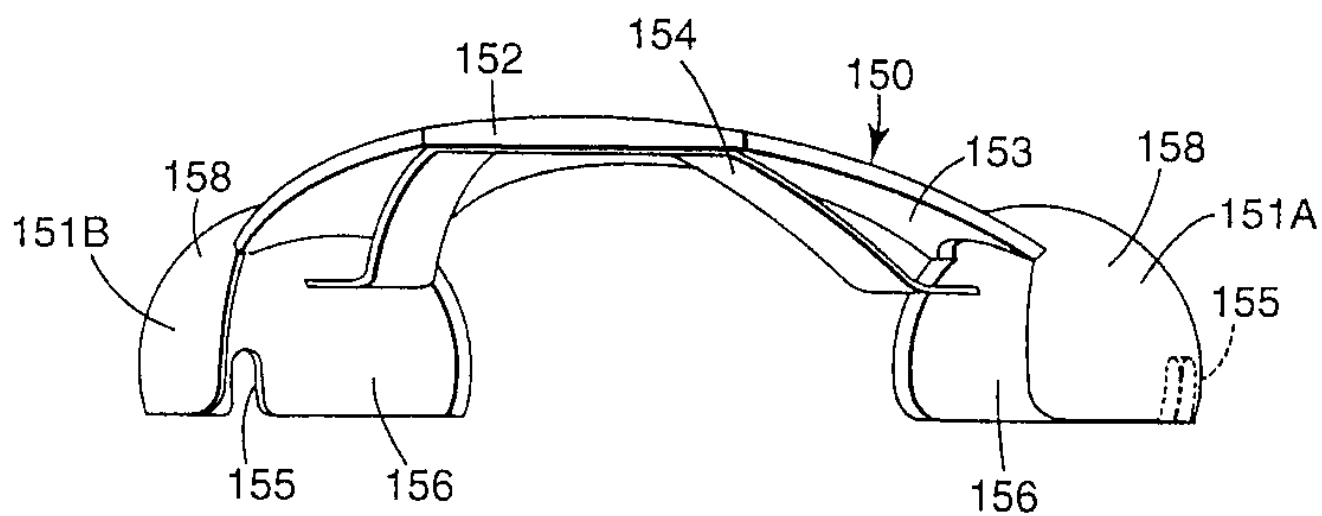




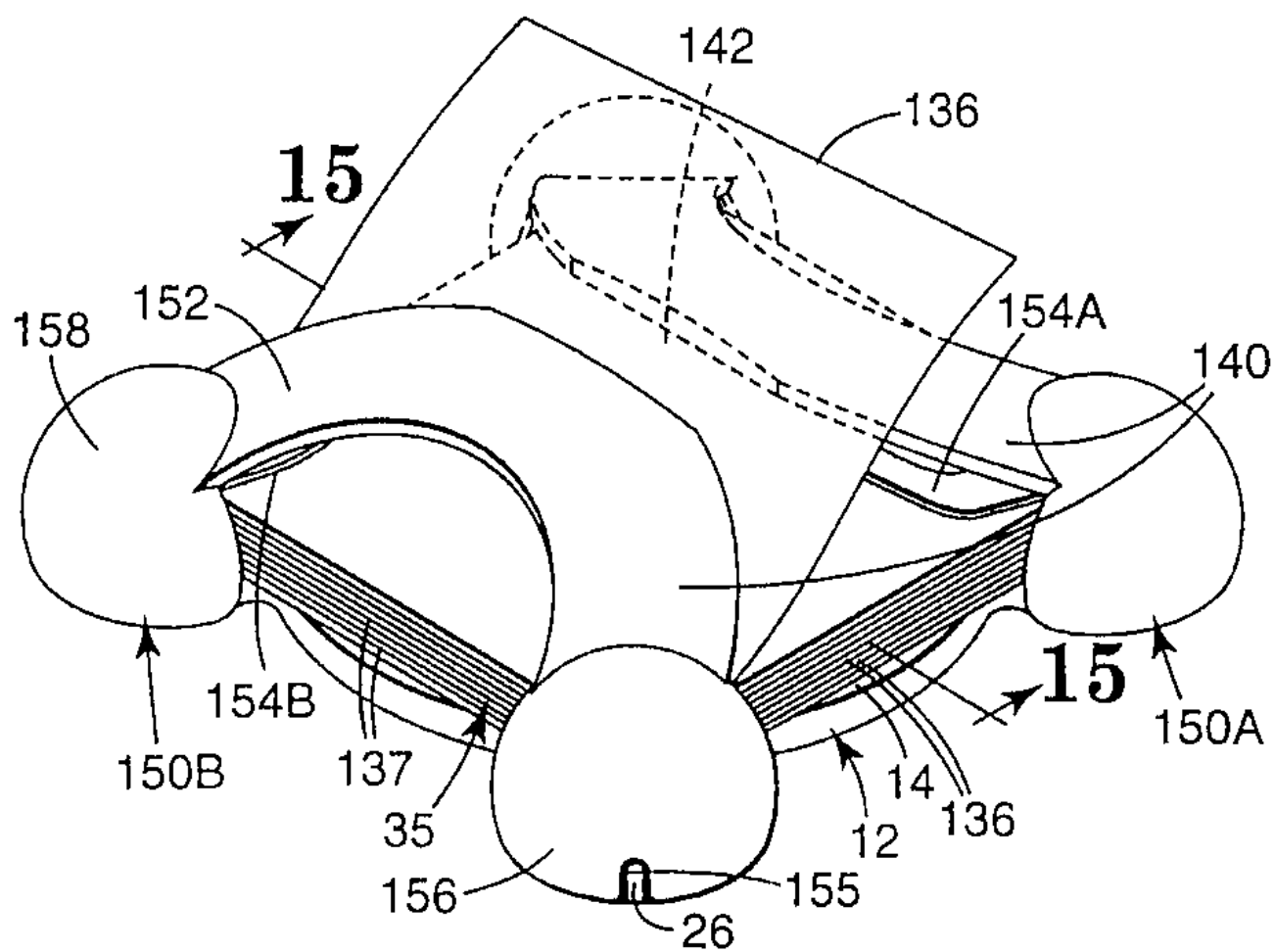
12



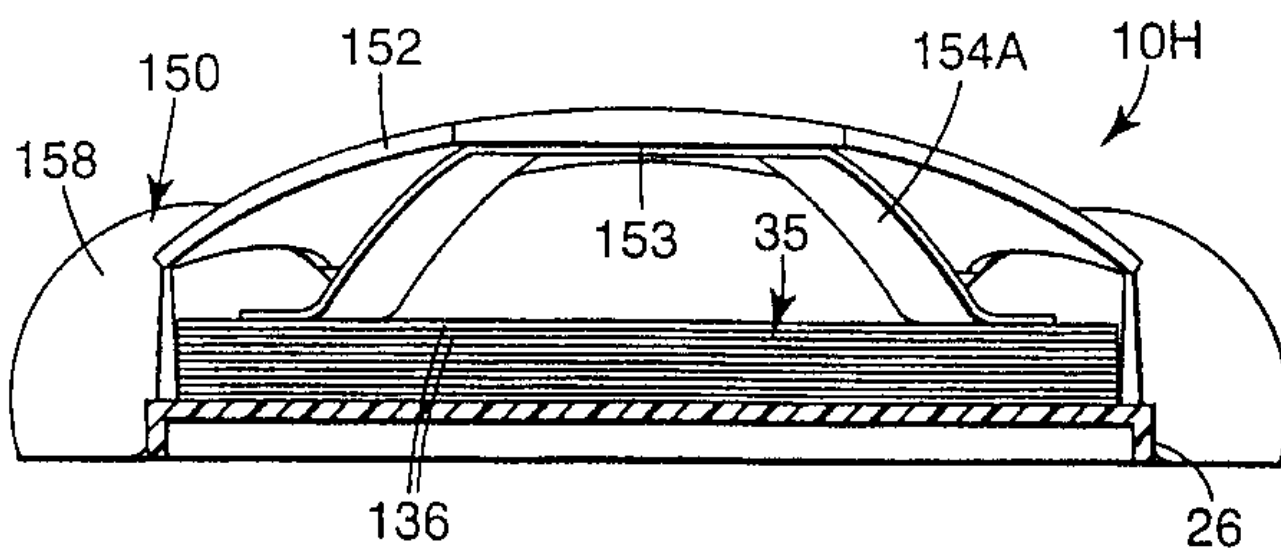
13



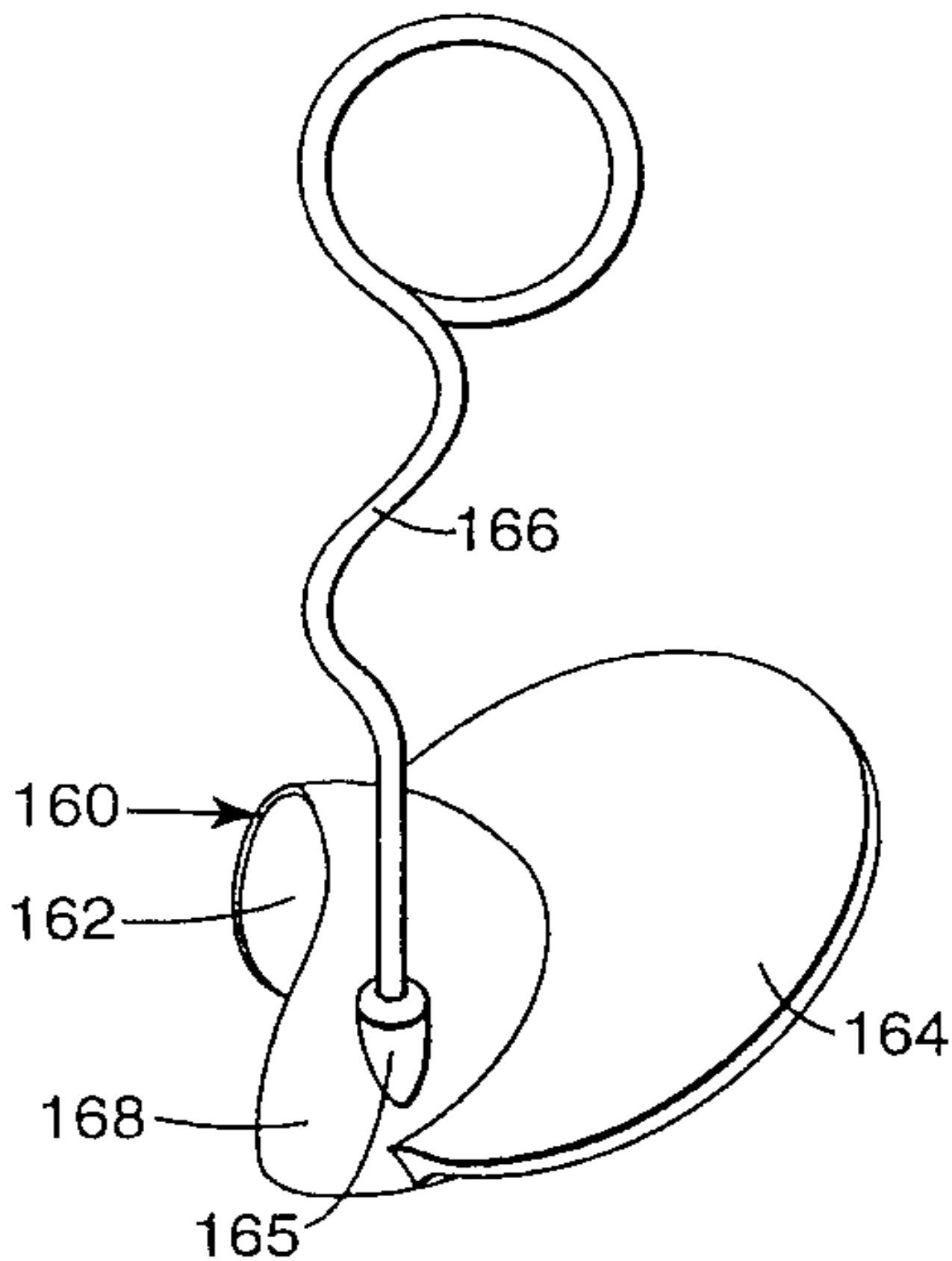
14



15



16



17

