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(A)

(51) 。 Int. Cl.⁷
B65D 47/24

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2003 12 18

(21) 10-2003-0037272
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(30) JP-P-2002-00168208 2002 06 10 (JP)
JP-P-2002-00198089 2002 07 08 (JP)

(71) 615-0031, , , - 9- , 2

(72) 615-0031, , , - 9- , 2

(74)

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가 (12) (10) (23)가 (23) , (10) (20) 가 (20) 가 (11) (11) (12) .
가 (10) (13) , 가 (23) (20) (23) 가 (23) .

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5A	5B	1	(10)	(20)
6A	6B	1		
7A	7B	2	(30)	(20)
8A	8B	2		
9A	9B 가			
10A	10B	3	(40)	(20)
11A	11B	3		
12A	12B	4	(50)	(20)
13A	13B	4		
14A	14B	5	(60)	(20)
15A	15B	5		
16A	16B	6	(70)	(20)
17A	17B	6		
18A	18B	7		
19A	19B	8		
20A	20B	8		
21A	21D	8		21A
21B	21C	21D		
22A	22D	8		22A
22B	22C	22D		
23A	23D	8		23A
23C	23D			23B
24				
25				
26	9			(110)
가				
27	9			(110)
가				

28 9 (143)
 , (110)가 ,

29 10 ,

30 10 , (110)가
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31 10 가 , (110)
 가 ,

32 10 (143)
 , (110)가 .

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10: 11: 12:

13: 14: 15:

16: 가 17: 18:

19: 가 20: 23:

24: 26: 29: 가

30: 40: 41:

42: 43: 44:

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53: 54: 60:

61: 62: 63:

64: 70: 71:

72: 73: 76:

77: 가 110: 111:

112: 113: 114:

115: 140: 141:

142: 143: 144:

1140: 1141: 1142:

1143: 1144: 1145:

1146: 1147: 1148:

1149:

2001-179139

가
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가

가

가

가

가

(:140,1140)

(:141)

가 (:23,26)가
(:10,30,40,50,60,70)

(:201) 가

(:20,220) ;

(:12,42,52,62,72) ;

(:11,41,51,61,71) ;

(:13,

43,53,63,73)

가

가

가

가

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501, 601,701)가

(:101,301,401,

(:13,43,53,63,73)

(:14,44,54

,64) 가

가

(:29,16,76,77)

가 (:29) , 가 (:19)
가 (:302) 가 (:16) 가 (:702) 가
가 (:77) , 가 (:76) .
(:221) , (:122) , (:220) 가 (:123)가 (:225) (:226)
(:140,1140) ,
가 (:23)가 (:201) 가 , (:20,220) ;
(:30,70) , (:12,72) ;
(:11,71) ; (:13,73,79) ,
, 가 가
, 가 (:29,16,
76,77)
, , .
가 (:29,16,76,77) 가 가
가 (:29) , 가 (:19) 가 (:201)
(16) 가 가 가
(:702,702') 가 가 (:77) , 가
(:76) (:13,73,79)
(:14) 가 .
(:220) 가 (:225) (:226)가
(:221) ; 가 (:123)가
(:122) .
(:140,1140) ,
가 (:225) (:226)가 (:221) ;
가 (:212)가 (:122)
;
(:212) , (:201')
가 (:213) , 가 (:122)
, , .
(:213) (:214) 가
(:80,122) .
(:141,1141) (:140,1140) ;
()

, (:1142) (:1143) (:1140) ,
가 , 가 , (:1149,1149') 가 (:1149')
가 . 가 (:1149) 가 가 , (:1147)
 (:1148)

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(inflation molding)

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가 (142) , 1 4 (140) (142) 가
(20) 가 (10) (12)가 6B 가 (2
3) (13) (23) (142) 가 (20) (23) (10) (12) , 가 (2
(23) (142) (20) (23) . , 가
, (12)가 (23) , (13) (13) (201) ((201
,)) , (13) (101) (201
(13) (23) (13) (201) (() (12) ,
8B, 11B, 13B, 15B 17B 가 (, 301,401,501,601,701).
, (12) 가 (142) 가 , 가
, (23) 가 가 .
, (10) 가 (11) (12)가 (13)
, (12) , 가 (13)가 , (12) 가 .
, (12)가 , (13)가 (20)
(20) (12)가 (12) 가 , (13)가 (13)가
14) , , (11) (12) (13)가 ()
, (13) (13) (12)가 (12)가
, (13) 1mm 가 , 0.3mm 0.5mm .
() (142) , (13) (11) (13) (13)
2 7A 7B 2
(30) (20) , 7A 7B 8A 8B
7A 7B , (30) (20) (20) , 9A 9
B 가 (16) , 9A , 9B .
2 (12) 가 , 1 2
, 1 (12) 가 , 1 . 2
2 , 가 (29) (30) (12)
. 가 (16) (30) , 가 (11) (30) . 가 (16) ()
17) , (18) , 가 (29) 가 (19) .
2 가 (29) 가 , (16) 가 (19) (12)
가 , 2 , (12)가 (12)가 (12)
가 , (13) .
3 10A 10B 3
(40) (20) ; 11A 11B
. 10B , (40) , 10B (40) (20)
. 10B , (40) (20) .

3 (13) 가 (14) , (43) 3 (44) 1,2

3 (26)가 (20) (20) (25)가

(40) (20) (42) , (41) (42) (20) (26)

(43) (44) (40) (42) (43) (42)가

(20) (26) (42)가 (43)

(26)

11A (25) , 11B (40) (40) (41)가 (20) (40)가 (20)

(20) (20)

(142) , (43) , 가 (1) , (4) (40) (140) (42)가 (20) (142) 가 (26)

(43) , 가 (26) (40) (42)가 (142) 가 (20) (142) 가 (26)

(42) (26) (142) 가 , 가 가

1,2 (2) , (42) , 가 (43) 3 (20) (4) .

(42)가 , (43)가 (20)

(41) (42) (43)가 (44)

(43)가 (42)

4 (50) 12A (20) 12A ; 12B 12B 13A 13B 4

(50) (50) (50) (20) , 12B (50) (20)

3 (53)가 (51) (43)가 (52) (41) (42) 3 , 4

가

4 (20) (53) (26) (50) (20) (51) (52) (51) ,

(53) (53) (52) , (54) (52) (54) (54)

) (50) (52) (52)가 (26) (20) (26)

13A (50) 13B (51)가 (50)가 (20) (50)가 (20) (20) (25)

(50) (20)

1 4 (140) (142) 가

(142) 가 , 가 (50) (52) (20) (26)
 , (53) , 가 (26) (52)가 (142) 가 (26)
 , (52) (142) 가 , 가 가
 , (26) 가 가
 1-3 가 4 , (52)가
 , (52) 가 , (53) (20) (53)가 (20) ()
 52)가) , (51) (52) (53) (54)
 , (53)가 (52)
 5 14A 14B 5
 (60) (20) ; 15A 15B
 , 14A (60) , 14B (60) (20)
 . 14B , (60) (20)
 1-4 (13,43,53)가 (14,44,54) , 5
 (64)
 1-4 가 5 , (62)가
 , (62) 가 , (63) (20) (63)가 (20) (62)가
 5 1-4
 6 16A 16B 6
 (70) (20) ; 17A 17B
 , 16A (70) , 16B (70) (20)
 . 16B , (70) (20) 1,2
 가 ,
 6 (70) (20) (71) ,
 (20) (23) , (72) (72) (72) (72) (20) ()
 23) (73) (70) , (72) (72)가 (23) (20)
 (72)가 (73)
 17A 17B (70)가 (20) , (20)
 (24) (70) (71) , (75)가 , (70)가 (20)
 . (70) (20)
 , 1 4 (140) (142) 가
 (142) 가 , 가 (70) (72) (20) 가 (23)
 , 가 (23) (70) (142) 가 ()
 23) , 가 (23) (72)가 (142)

(72) (142) 가 , 가
(23) 가 .
1-5 가 6 (72)가
(72) 가 (73) (20) (72)가
(73)가 (20) (72)가
가 (77) 가 (72) (76)가 (76)
(72) 가 , 가 (77) (71) (20) (72)가
(77) (72) 가
(76) 가 (77) 가 (72)가
(73)가 (20) 가
18A 18B 7 6
가 , .
7 (70) (71) (79)가 (72)가
(20) (77) 가 (72)
) 가 (76) 가 (77) 가 (72)
(13,43,53,63,73,79)가 (12,42,52,62,72) 가
19A 23D 8
5) 8 (226) (221) ; 20A 21D 가 (22) (220) ;
(80) (80) (123) 가 (212) (212)
(123) (212) (221) (201') (213) (213)
(122) (212) (221) (212)가 (212)가 가
(122) 가 (221)) (80)가 (212) (220)가 (213) (22)
1) (80) 가 (22A 23D). (220)

(inflation molding)

가 , 가 가

25 (가) 24 9

가 () ()
 가 , (i)
 , (iii) 가 , (ii)
 , (iv) 가

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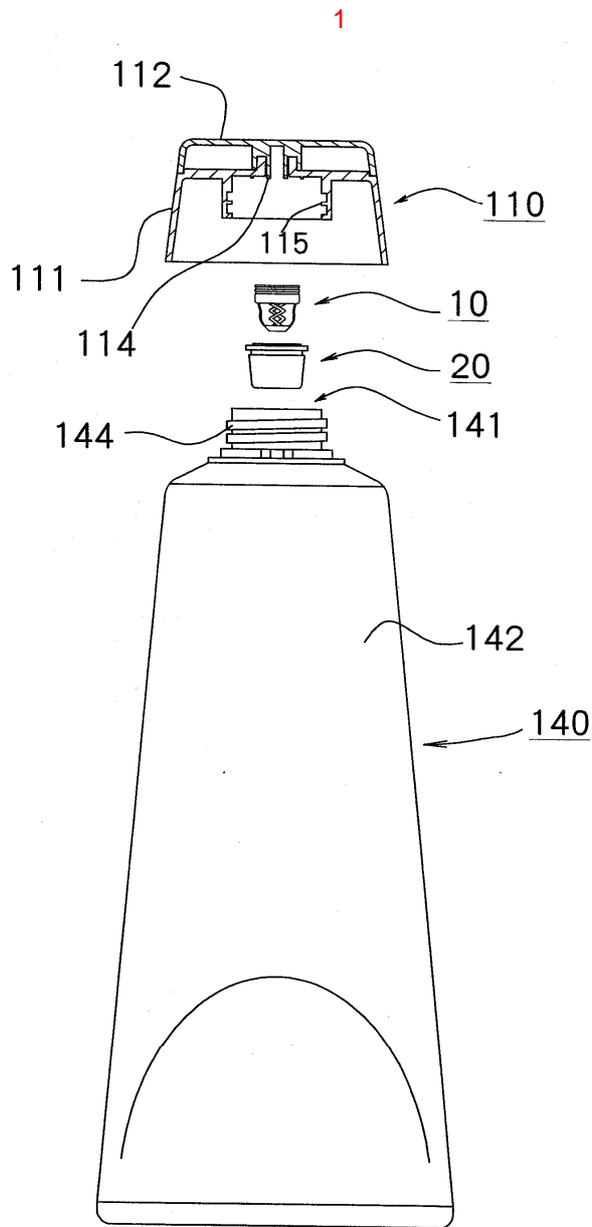
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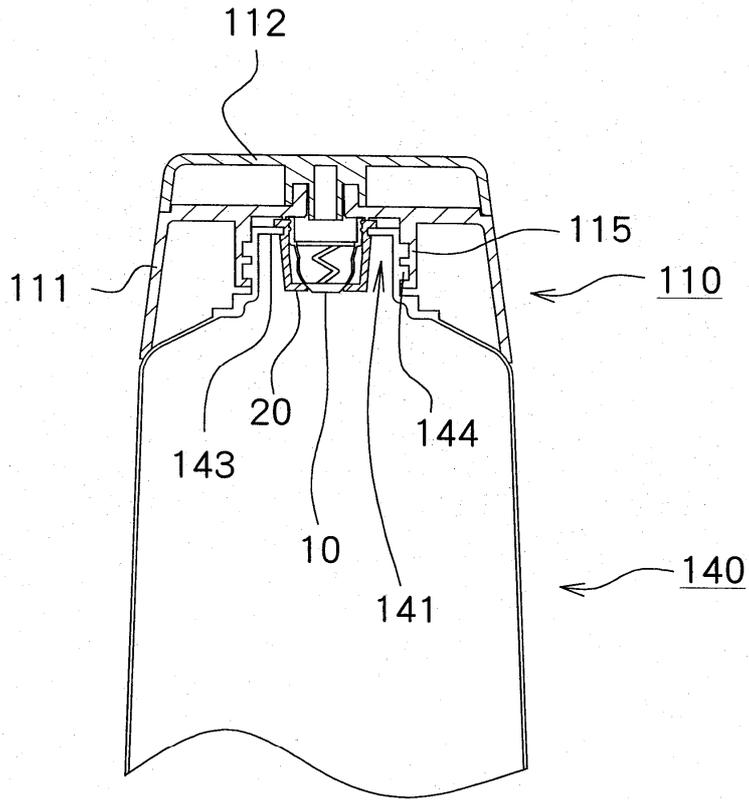
32 34.

가 가

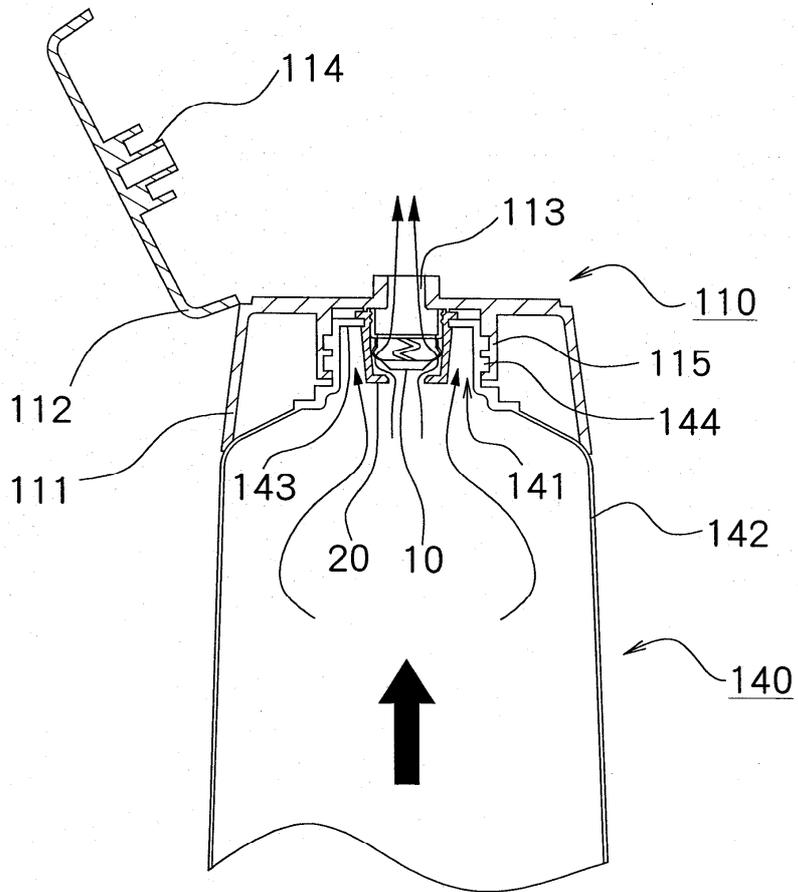
32 35.



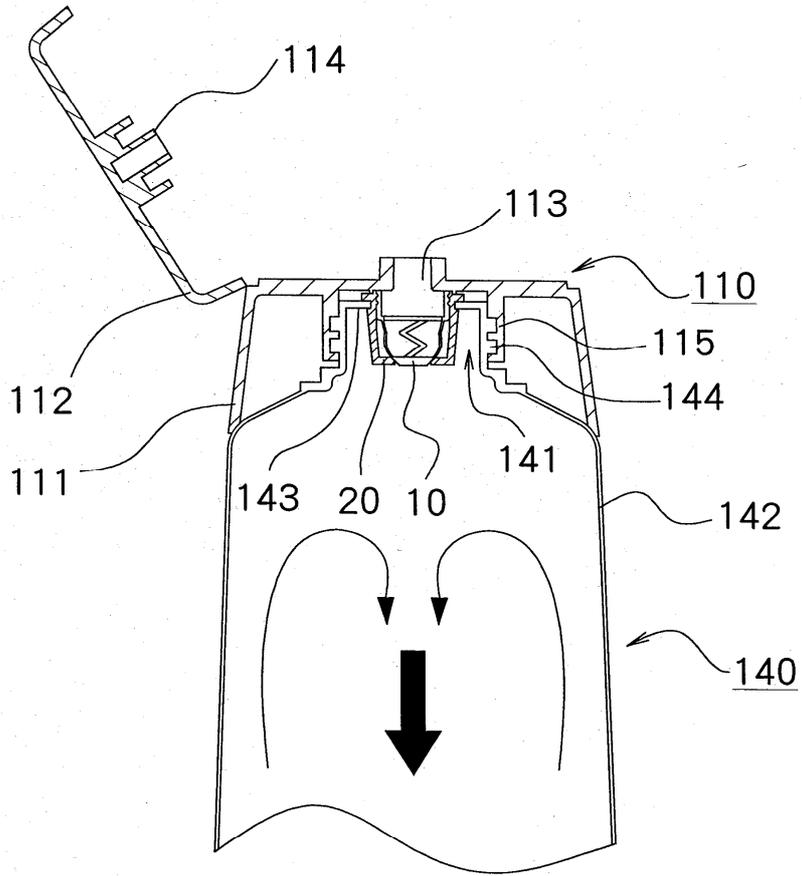
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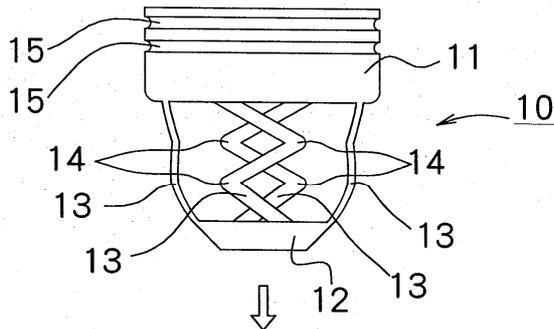
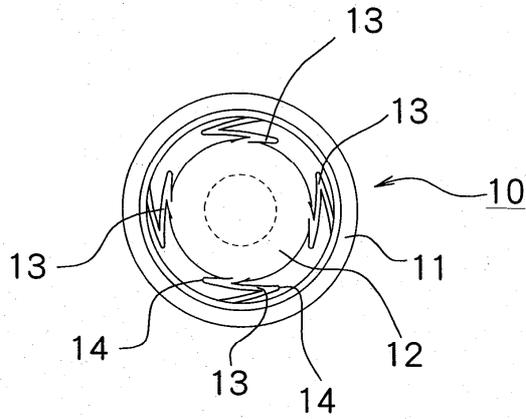
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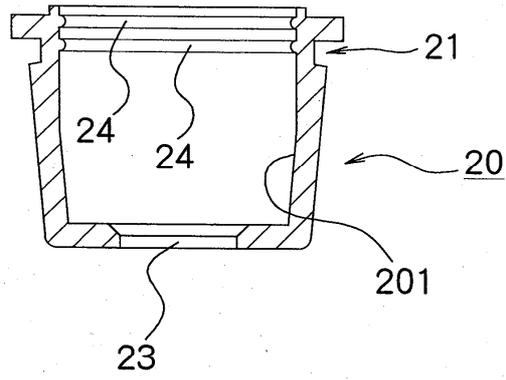
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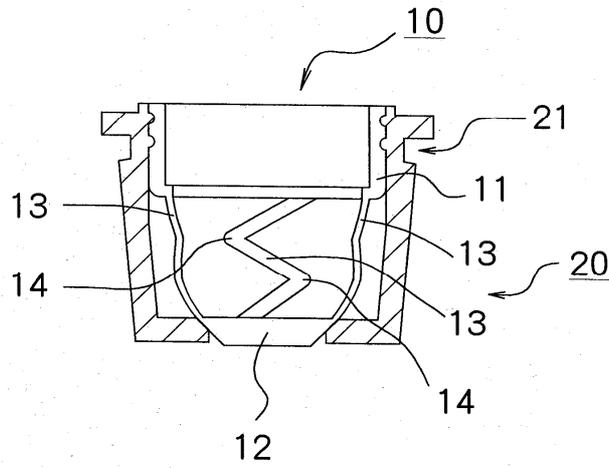
5a



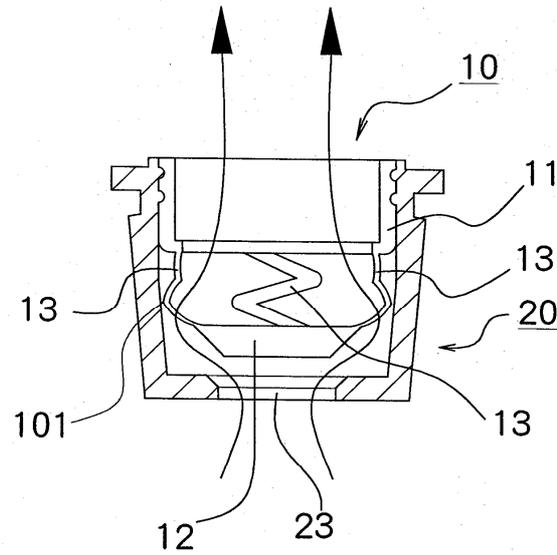
5b



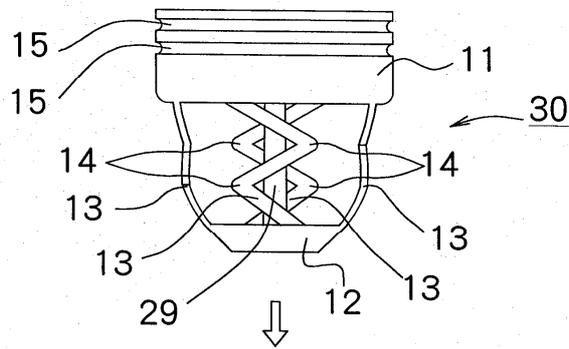
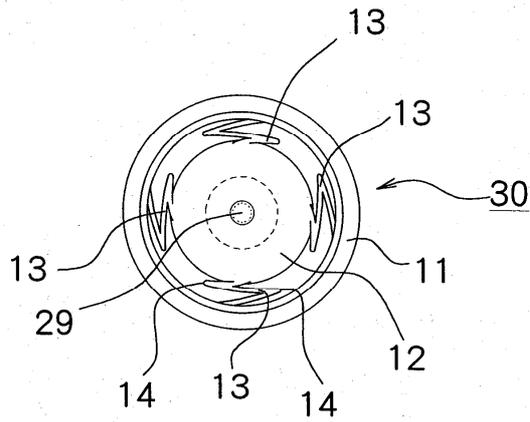
6a



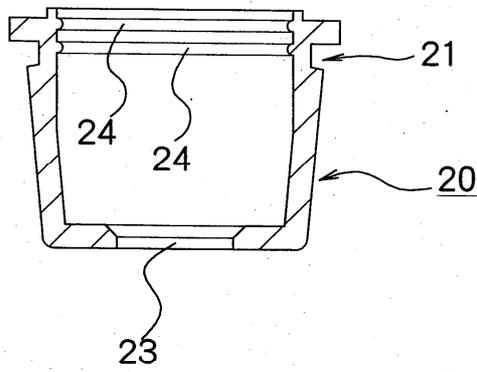
6b

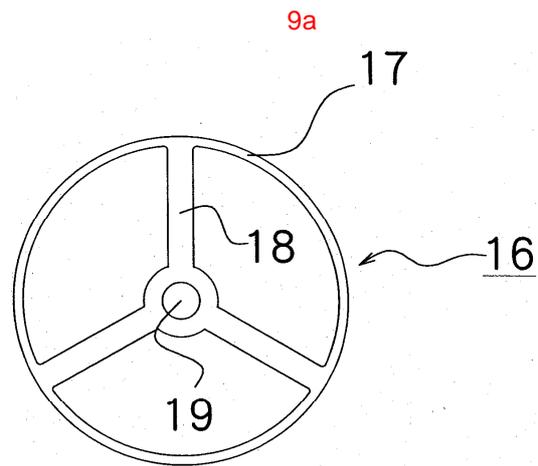
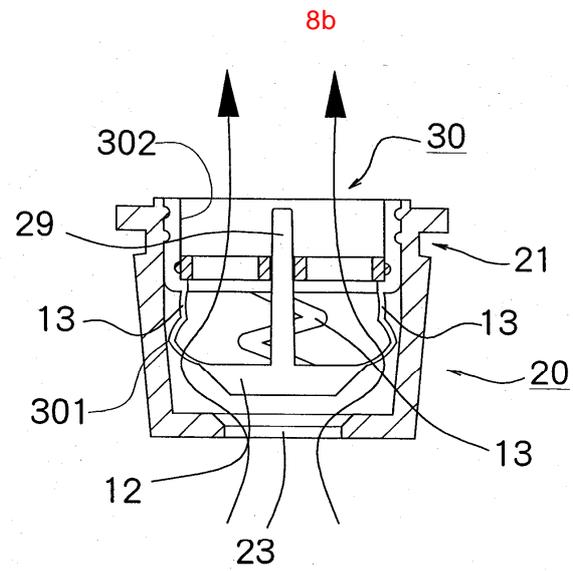
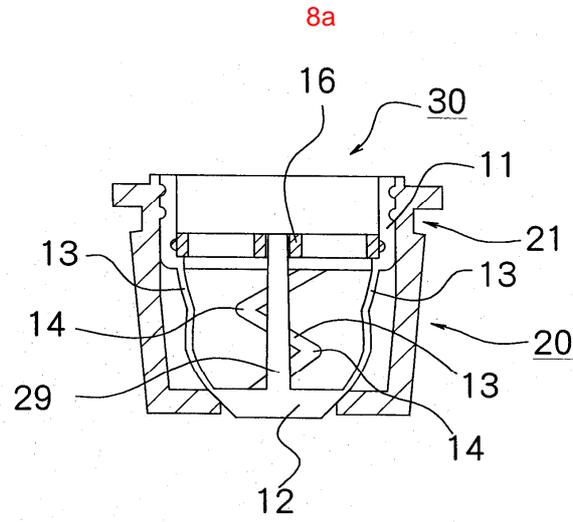


7a

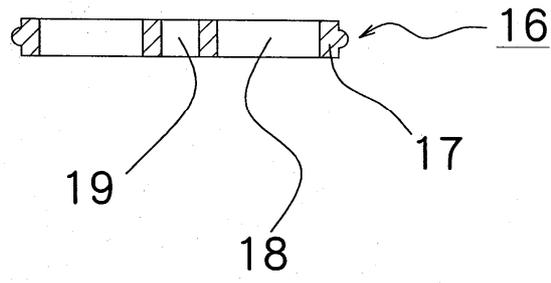


7b

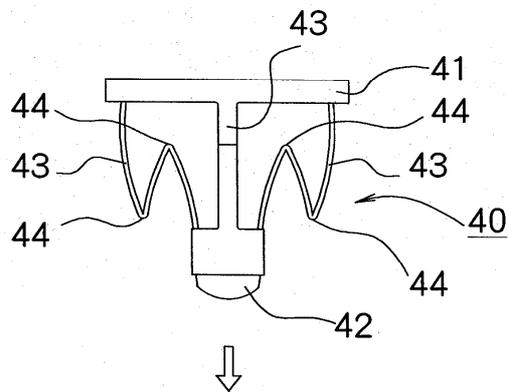
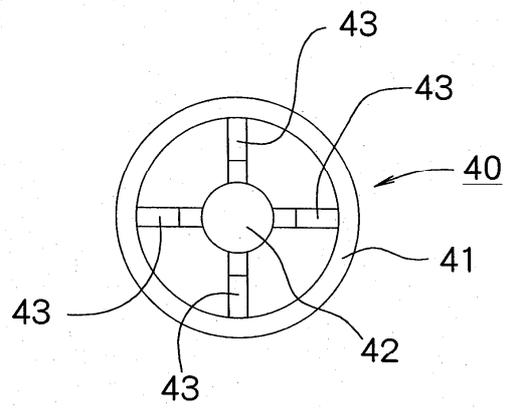




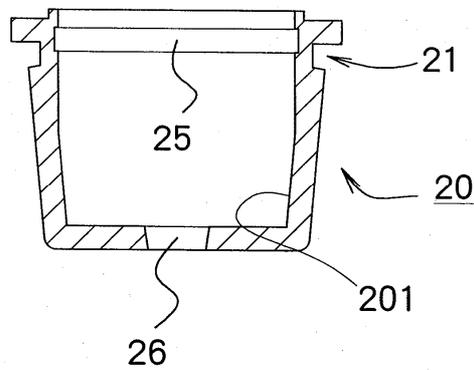
9b



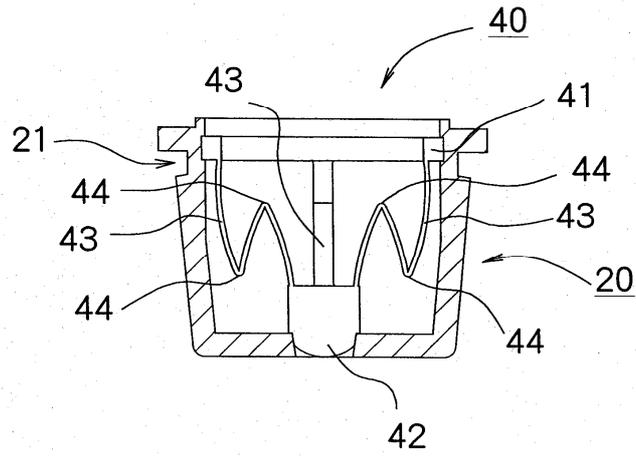
10a



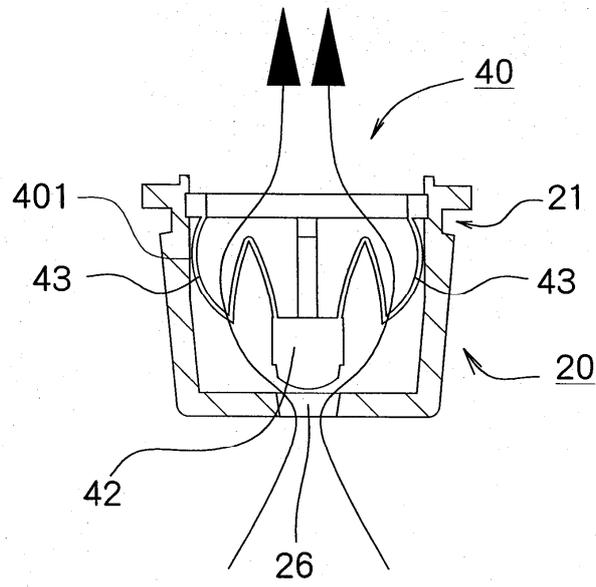
10b



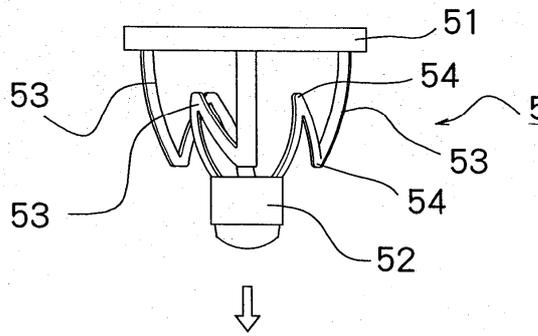
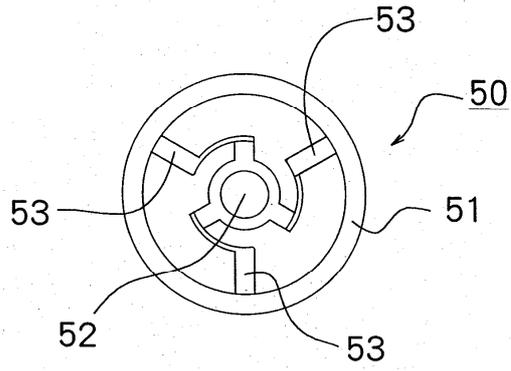
11a



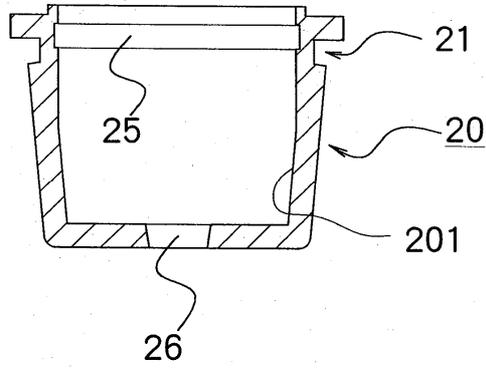
11b



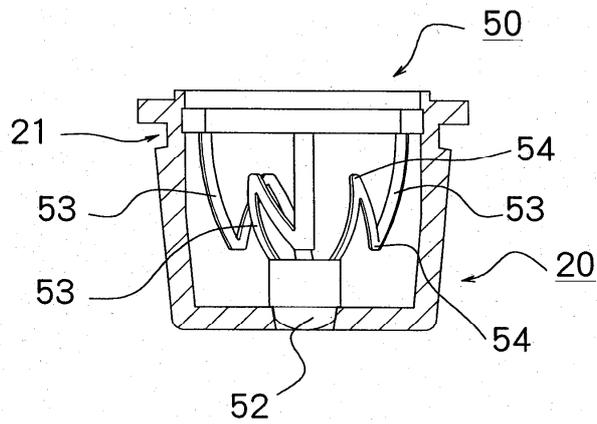
12a

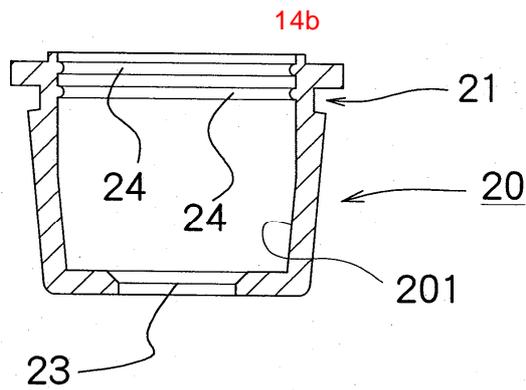
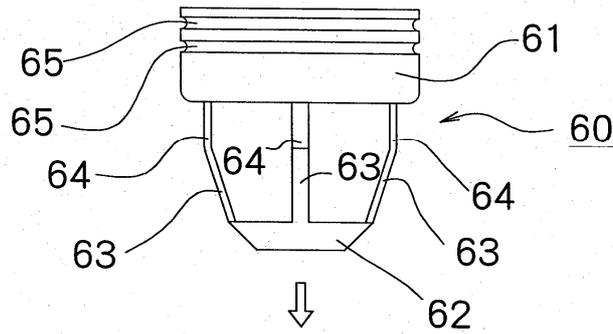
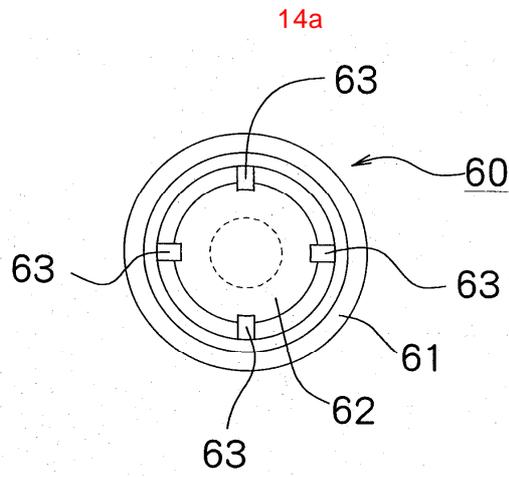
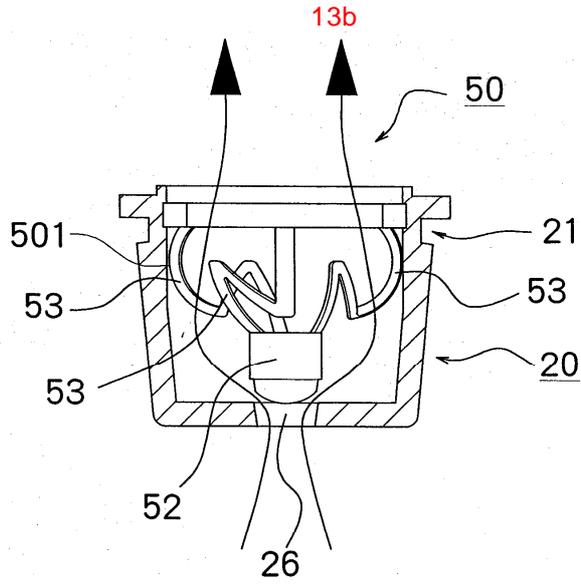


12b

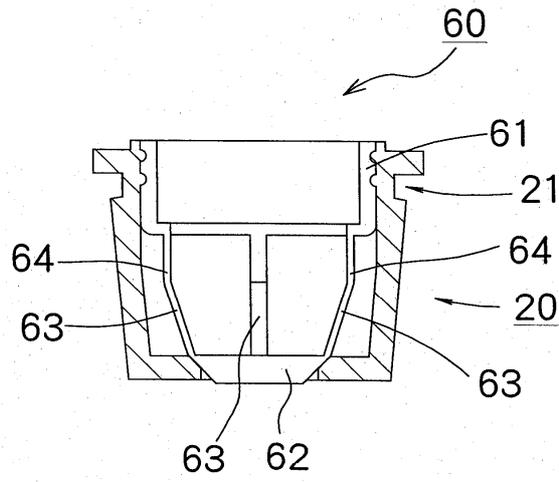


13a

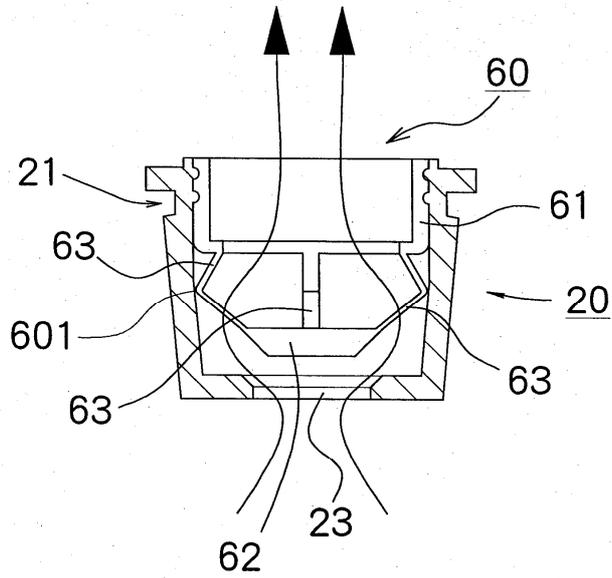


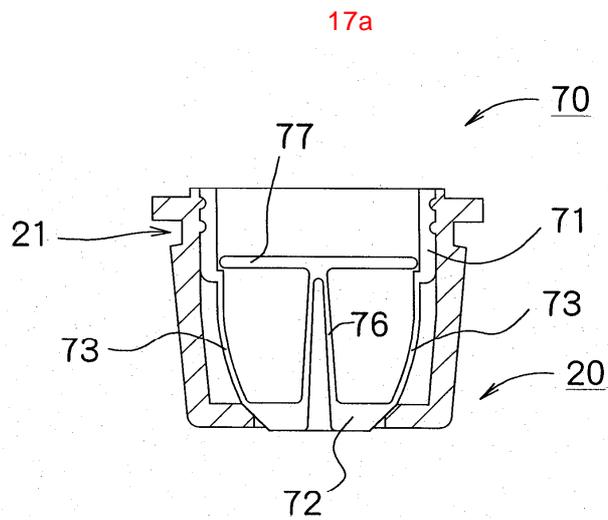
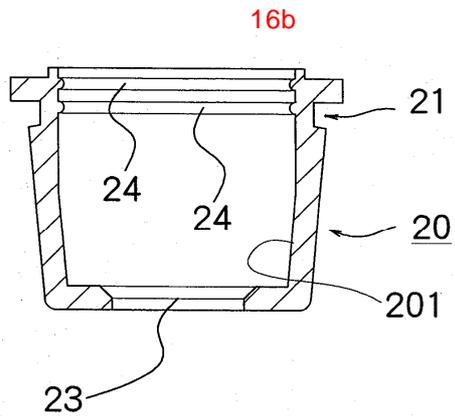
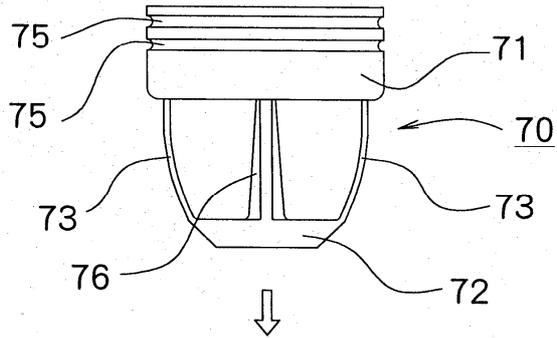
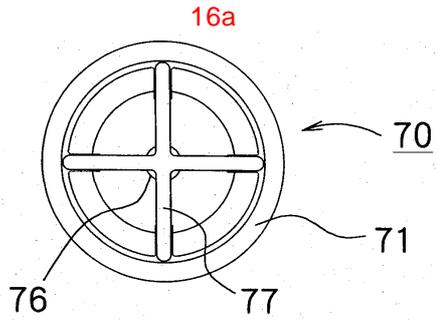


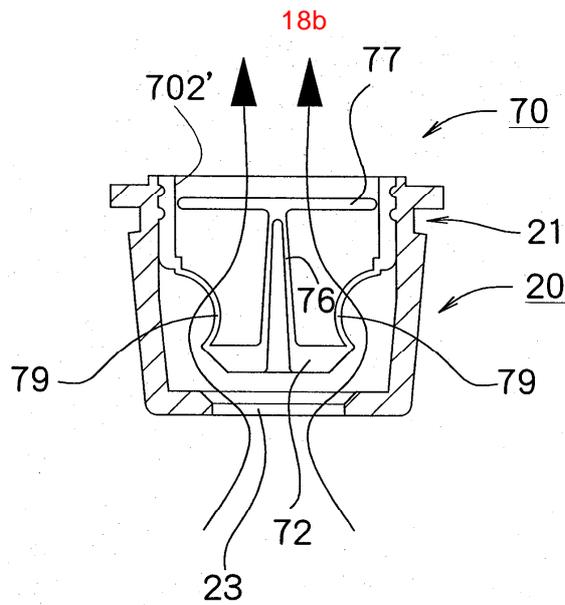
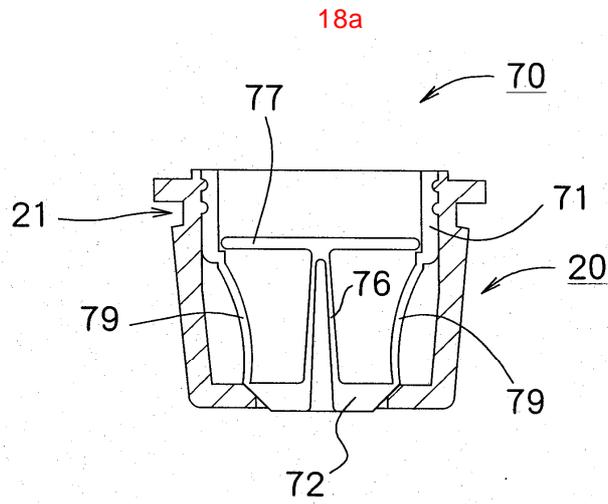
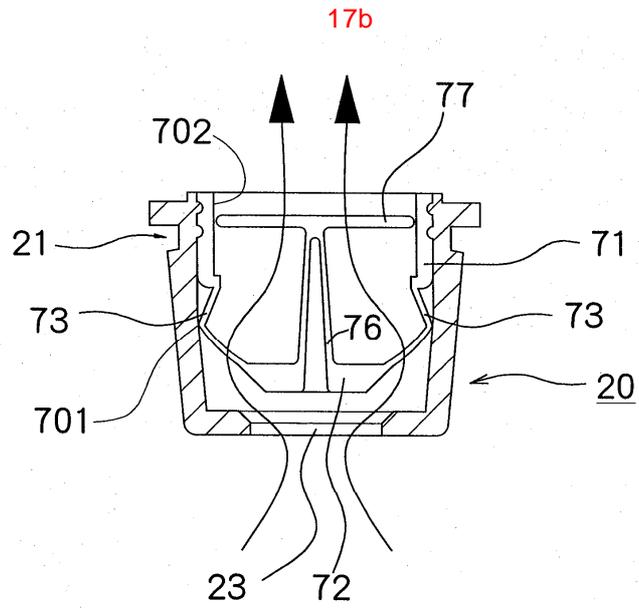
15a

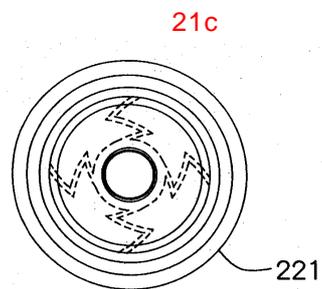
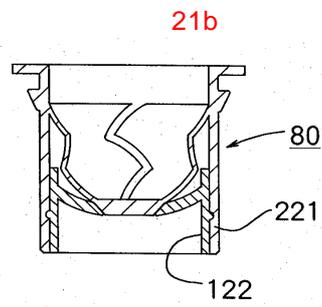
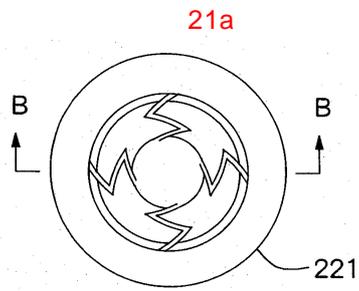
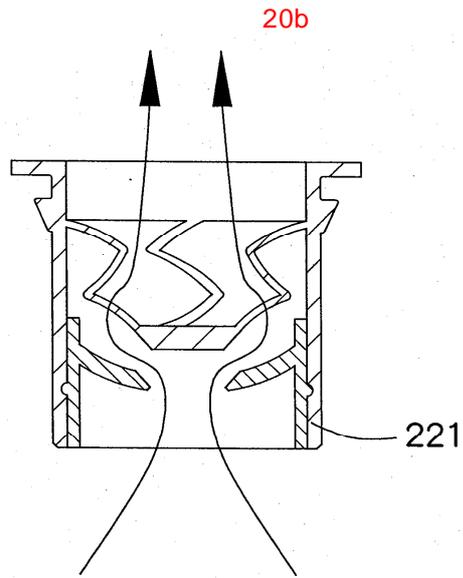


15b

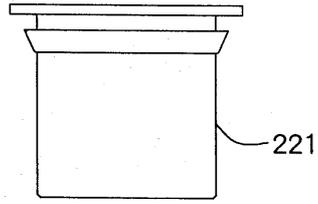




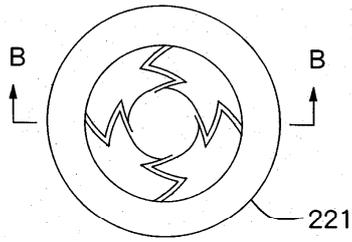




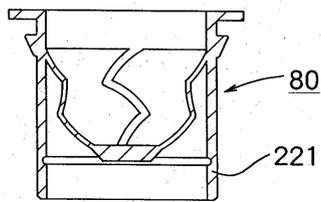
21d



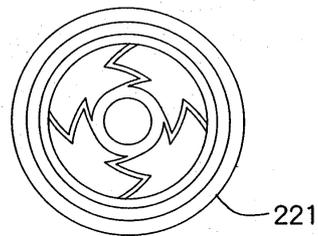
22a



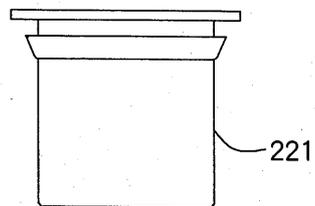
22b



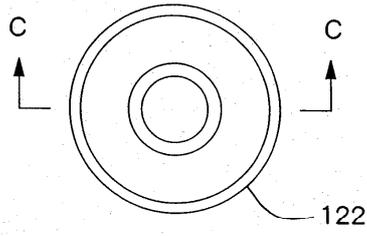
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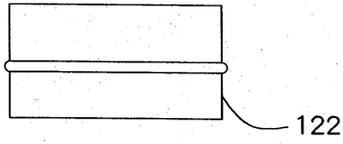
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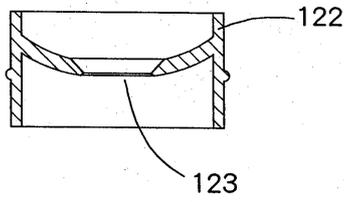
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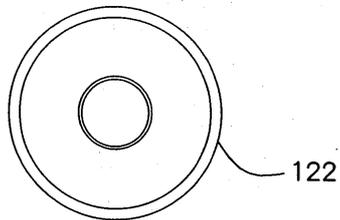
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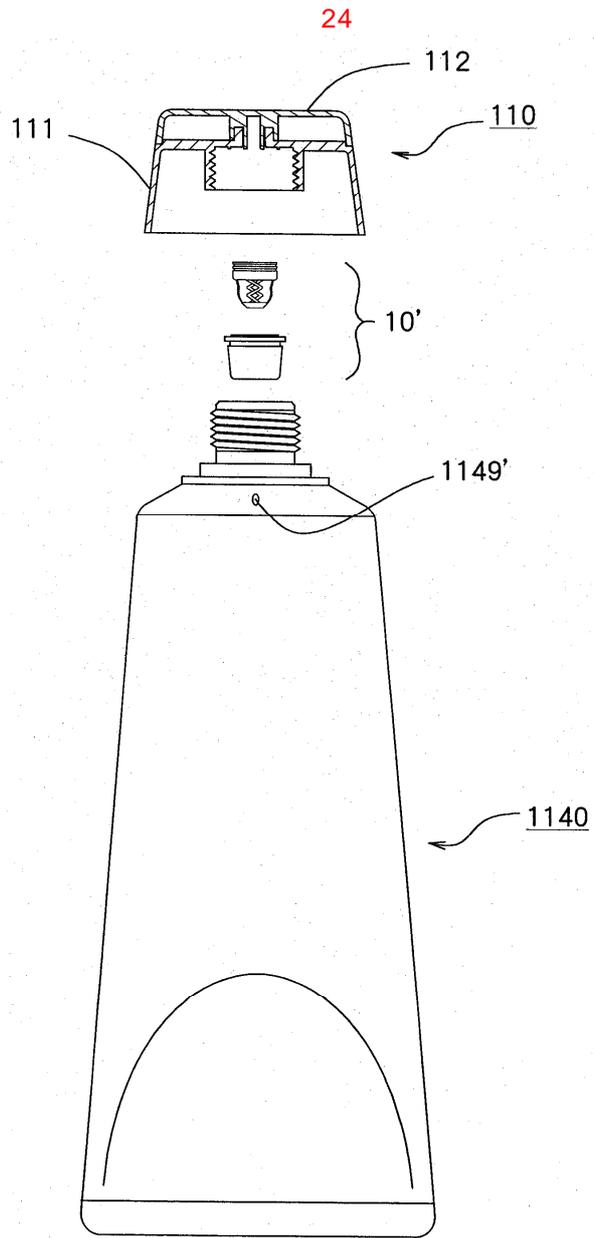


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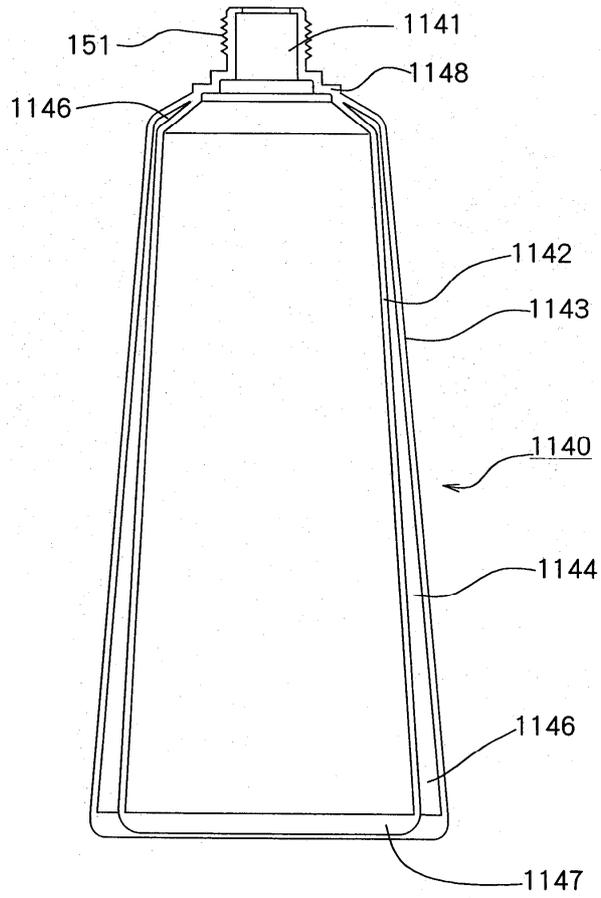


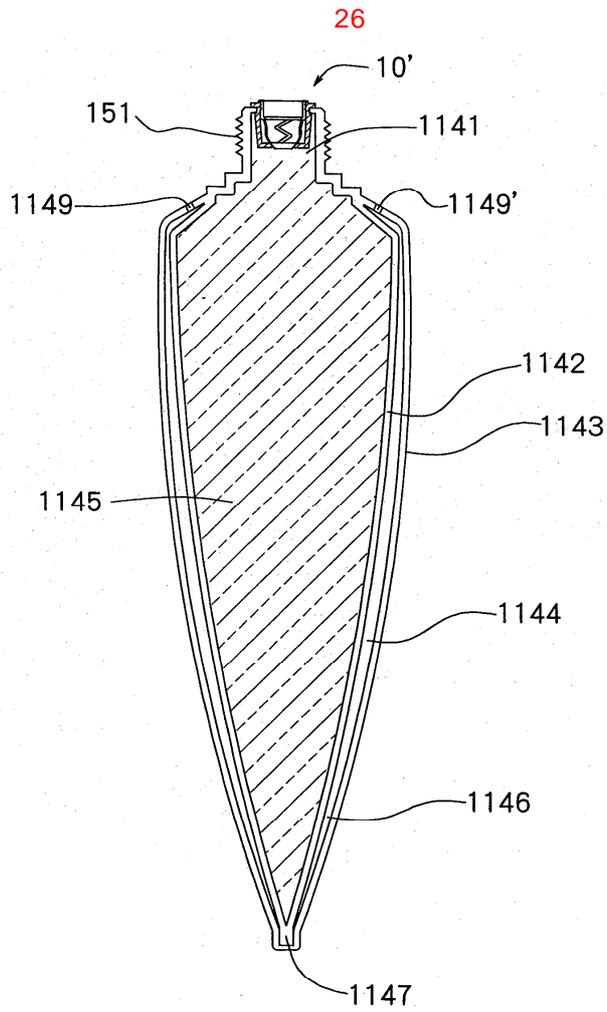
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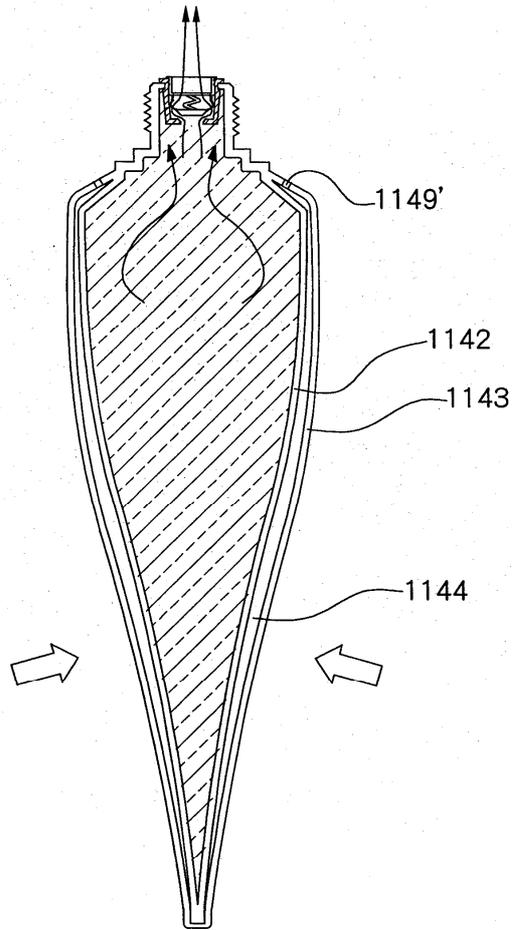


25

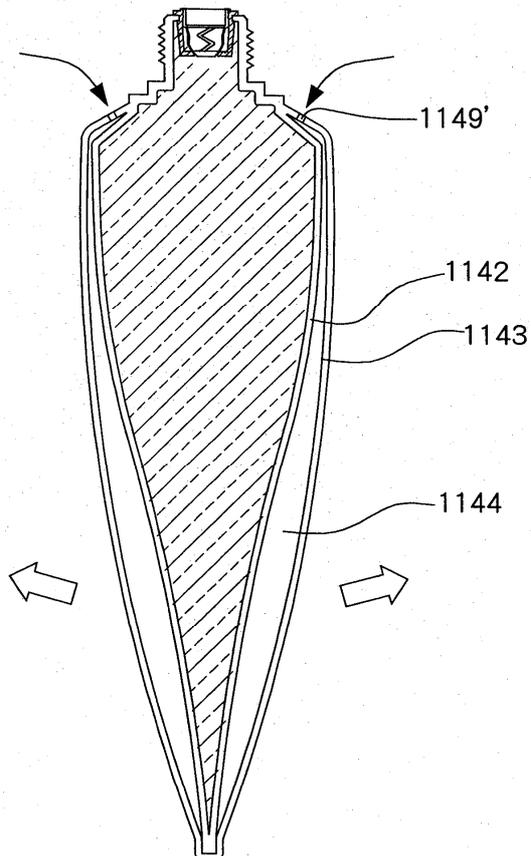


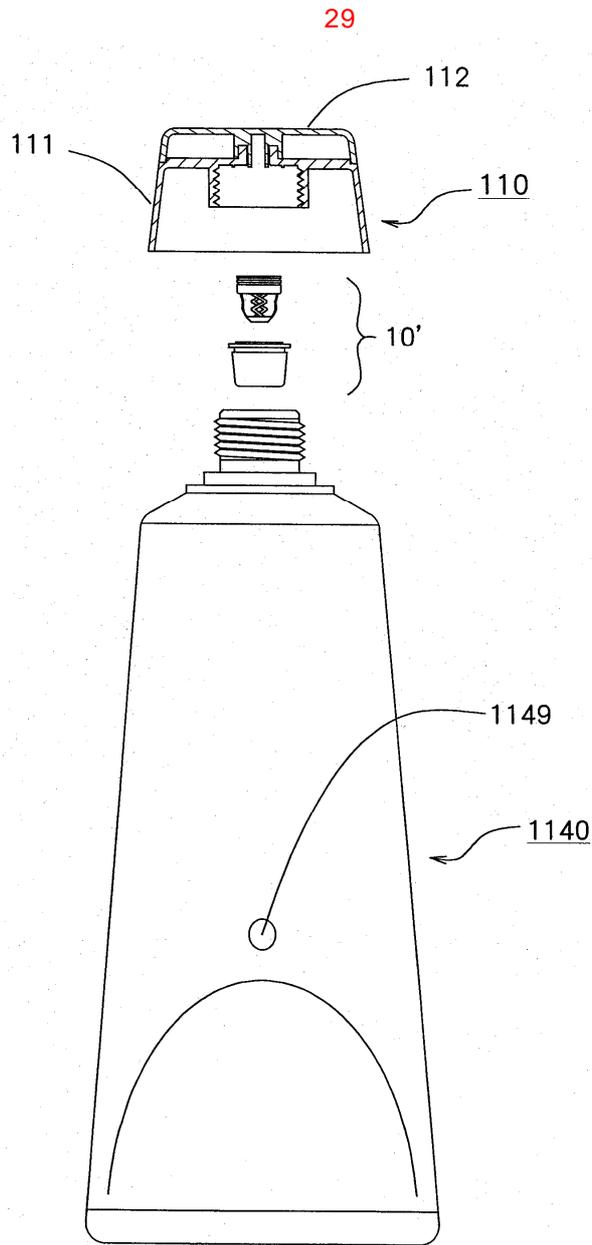


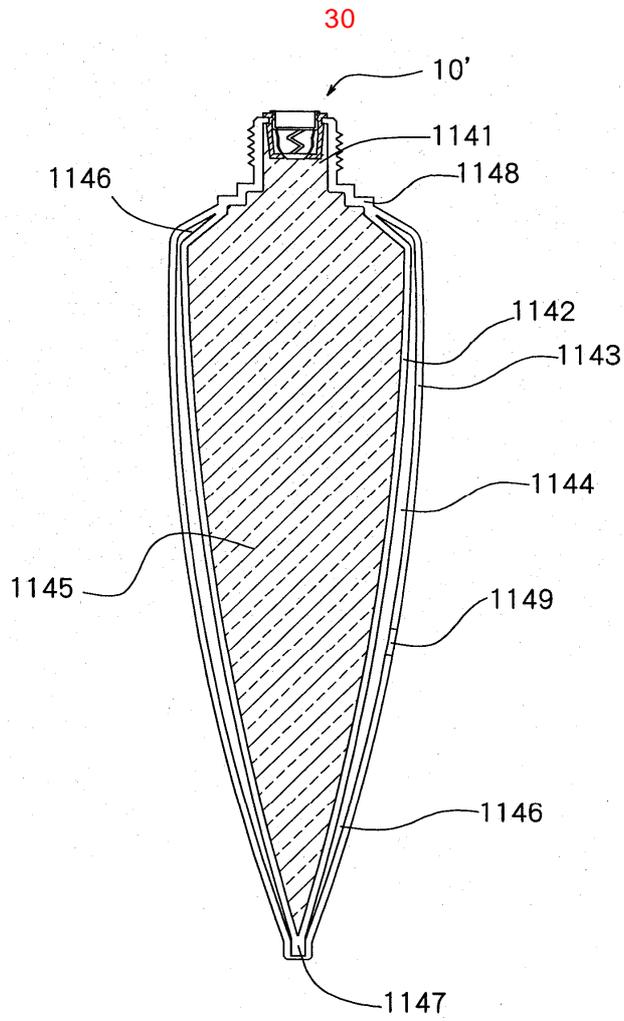
27

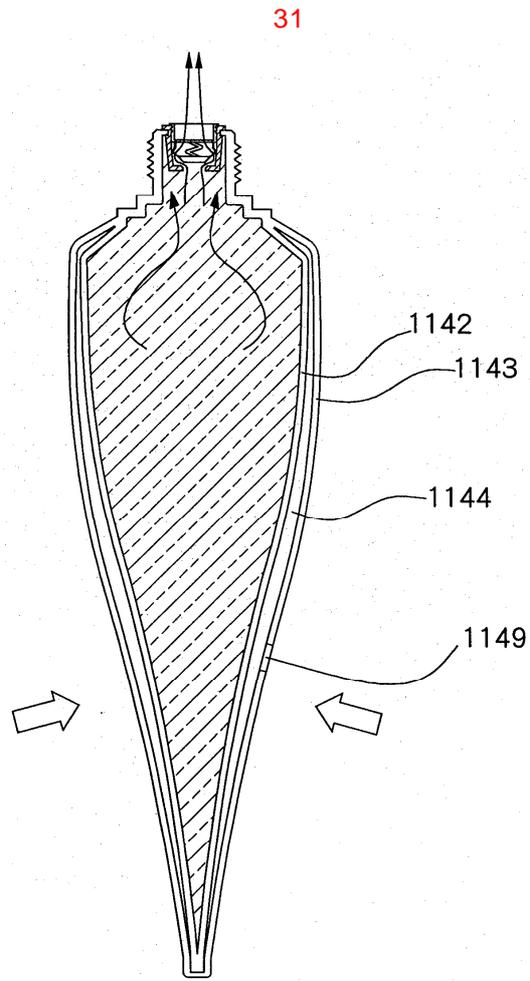


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