

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

(51) . Int. Cl. ⁷ C02F 1/32	(45) (11) (24)	2004 09 30 10-0449840 2004 09 13
(21) 10-2004-7004302 ()	(65)	10-2004-0053138
(22) 2004 03 25	(43)	2004 06 23
(62) 10-2001-7016369 : 2001 12 20		2002 01 12
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(86) PCT/US2000/016422	(87)	WO 2000/78681
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(30) 60/140,090	1999 06 21	(US)
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(73)	49355,	7575
(72)	49316	.7086
	49331	1270
	49408	6414

	49301	2990
	49417	1700
	94947	.6
	49505	.1054
(74)		

(54)

system)		(20)	WTS	(20)	UV	(point-of-use)		(WTS: water treatment
1	2	(92)	(22)	1	(74)	(24)	2	(90)
2	2	(24)	(22)	(26)	2	(92)	2	(24)가
2				(26)	2	가	가	(26),
					(84)			(444)
							가	(24)가
							(402)	(80)
						(82)		(24)
)	V			(400)	(24)가		가	(82, 402)
	가		가	(250)	(250)	(24)		U
						(250)	()	
		(250)						

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1 WTS .
2 WTS .
3 WTS .
4 가 가 WTS

5	WTS										
6a	6e				6b	6C-6C			6c	6D	
		,	6c	6E							,
7a	7f							7c	7D-7D		
8a	8c										
9a	9c						9b	9C-9C			
10a	10e										
11a	11c										
12a	12c										
13a	13c	2				13b	13C-13C				
14											
15a	15b										
16											
17											
18											
19											
20a	20b										
21a	21b										
22	UV										
23a	23d	UV			, UV						
24	23b	23d	UV								
25a	25f										
26a	26c										
27a	27f										
28a	28d						28b	28C-28C			28b
28D-28D											
29a	29c					29b	29C-29C				
30a	30c										
31a	31d								13b	31D-31D	
32a	32c										
33a	33c										
34a	34e										
35a	35b										
36a	36d					36b	36C-36C				
37	WTS	3	37-37								
38	2	38-38									
39	40	39-39									
40	39	40-40									
41	39	41-41									
42	39	42-42									
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The diagram illustrates a two-hop relay communication system between two users (1 and 2) and a base station (BS). The users are connected via a wireless channel (WTS) and a user-to-user (UV) channel. The BS is connected via a UV channel and a wireless channel (WTS). The diagram shows the sequence of channel transmissions and receptions over time.

The sequence of events is as follows:

- User 1 transmits via WTS to User 2.
- User 2 receives via WTS from User 1.
- User 2 transmits via UV to User 1.
- User 1 receives via UV from User 2.
- User 1 transmits via WTS to the BS.
- BS receives via WTS from User 1.
- BS transmits via UV to User 2.
- User 2 receives via UV from the BS.
- User 2 transmits via WTS to the BS.
- BS receives via WTS from User 2.
- BS transmits via UV to User 1.
- User 1 receives via UV from the BS.

, (WTS) (20) 1 (22), (24) . 2 3 WTS
 (20) WTS (20) . 4 (26)
 (22) 가 (22) 가 (26) (24) (22) (26)
 (22) (24) 가 (22) (26) (24) (24) WTS (20)
 1 3 (22) , WTS (20) (32), (34), (36) (40)
 (42) 가 (36) (42) WTS (20)

(206)	(704)		(72)	(228)
		(662) WTS		(
20)		(706)		
	(60)	WTS	(20)	

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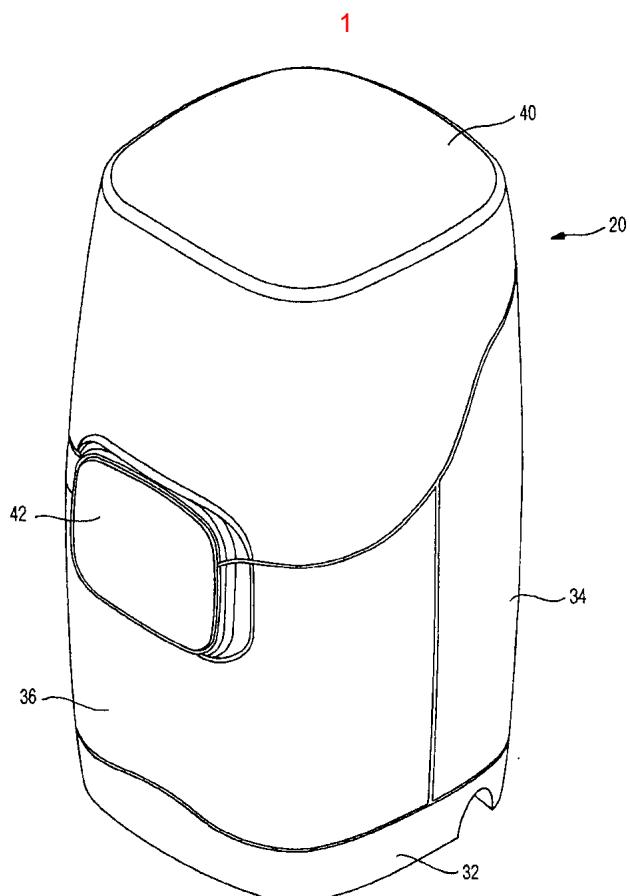
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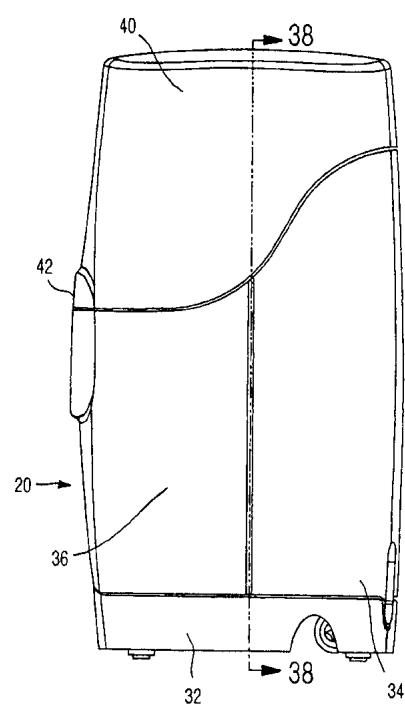
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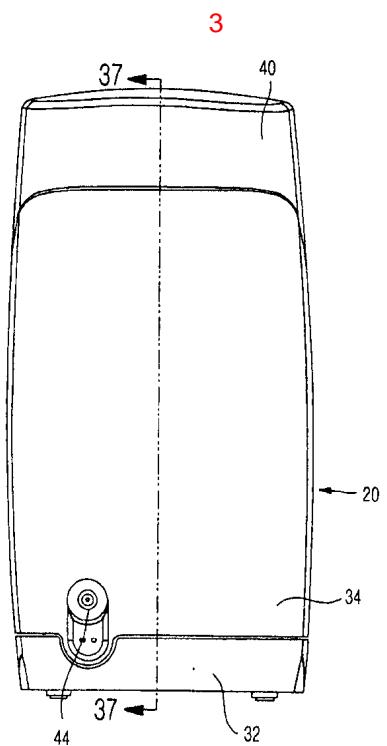
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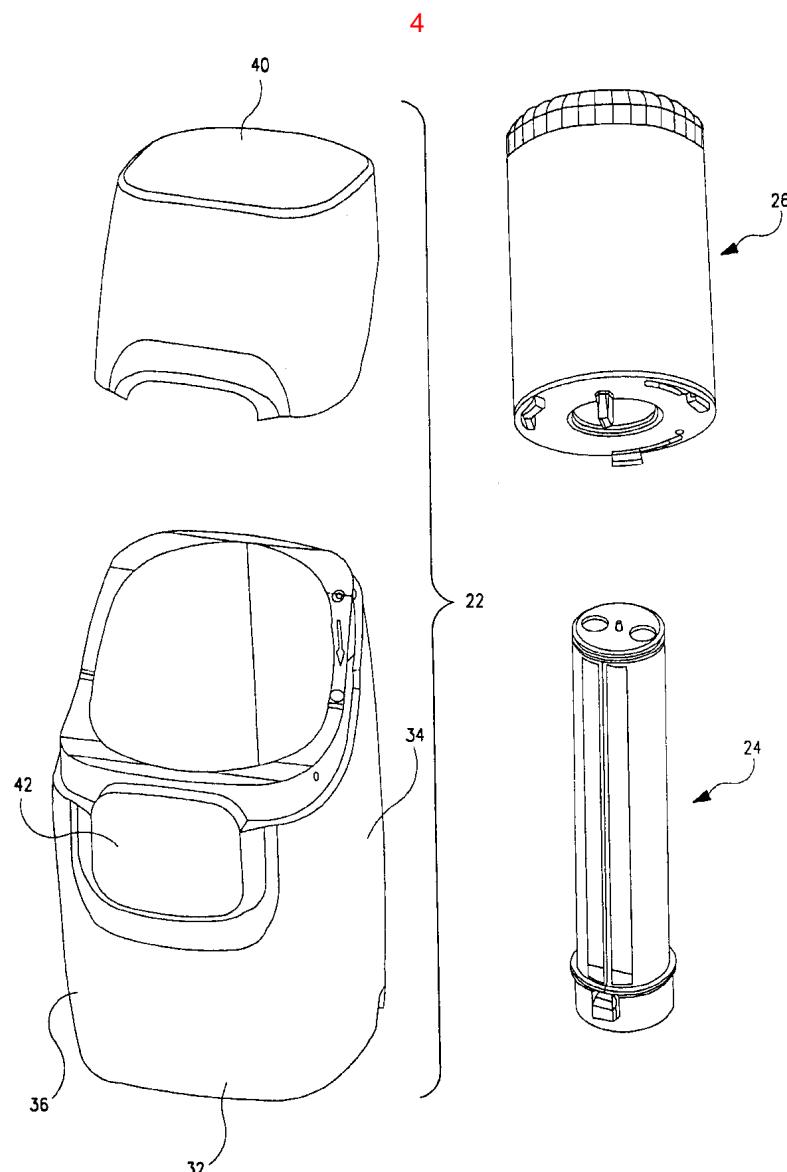
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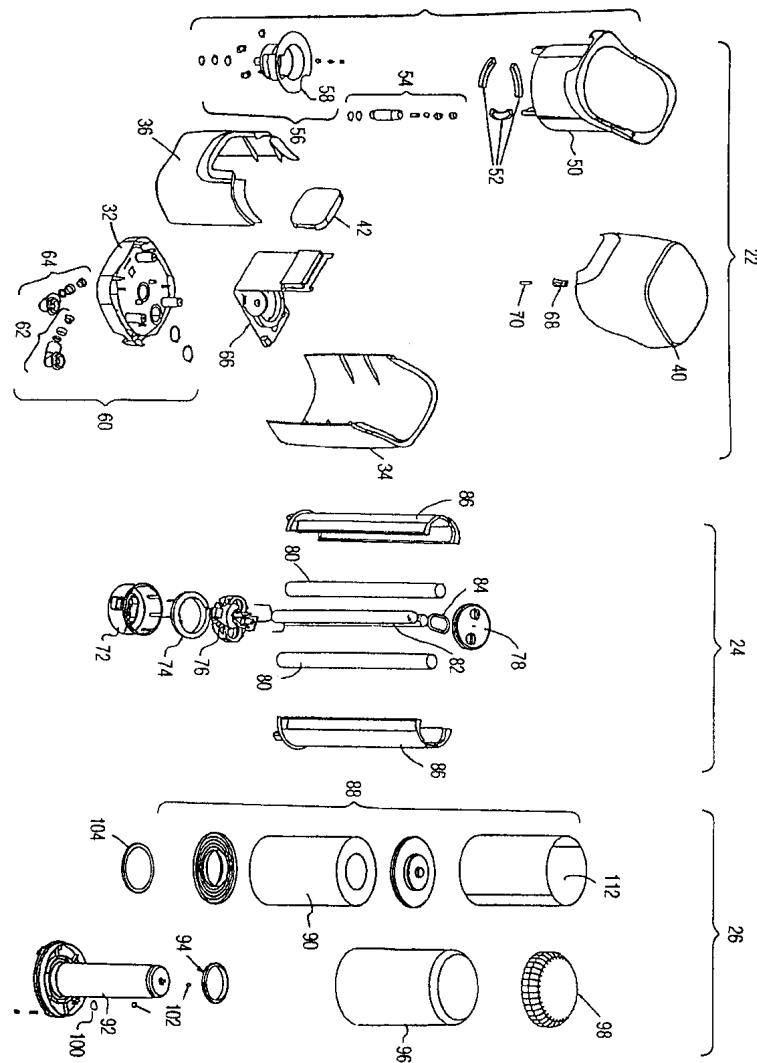
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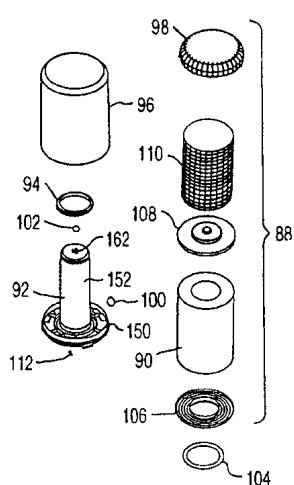




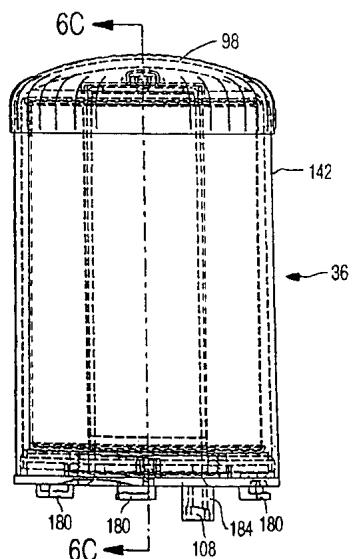
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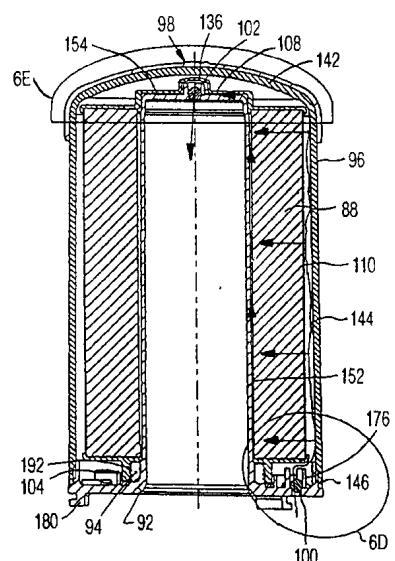
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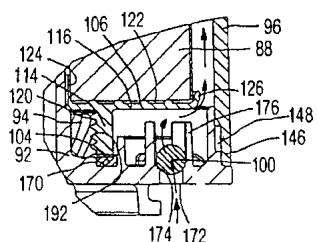
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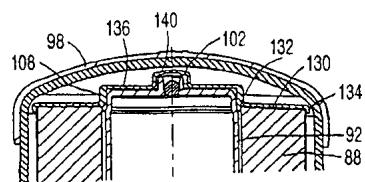
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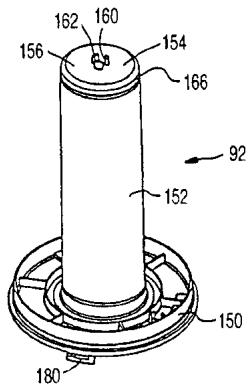
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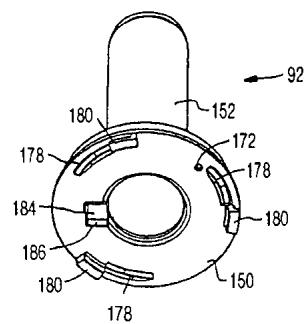
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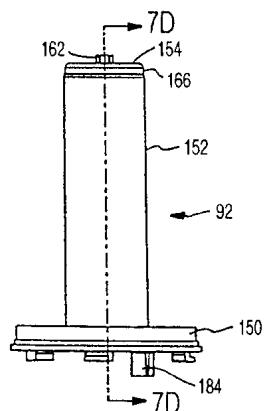
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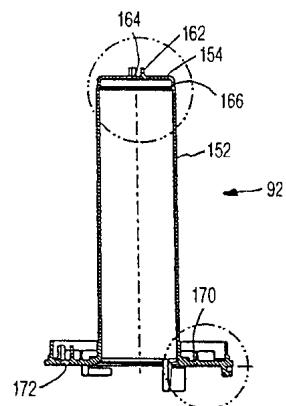
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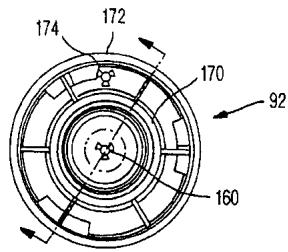
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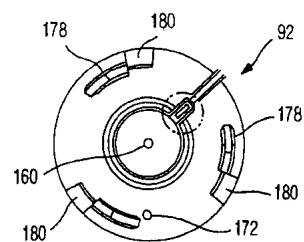
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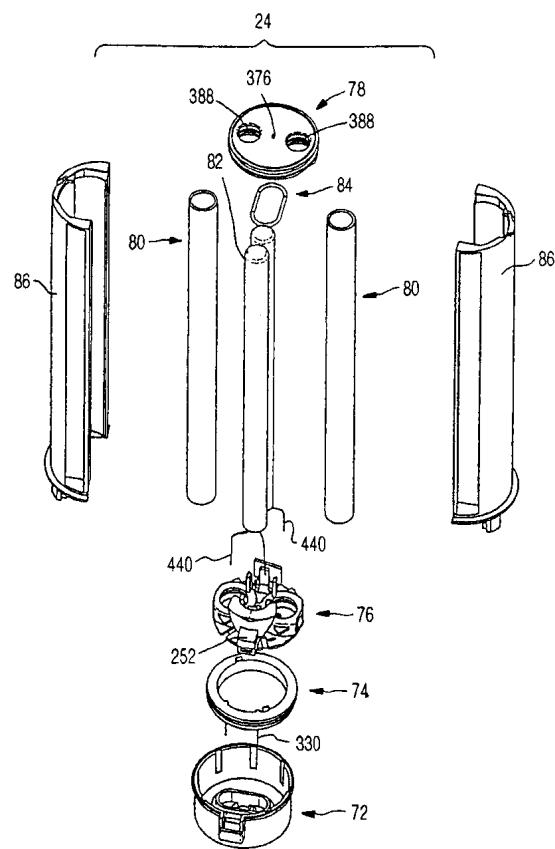
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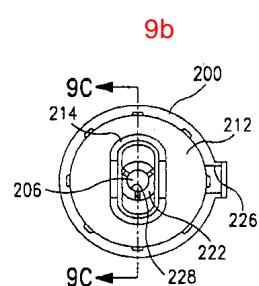
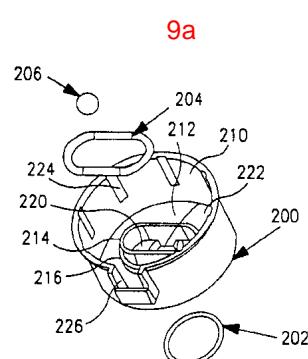
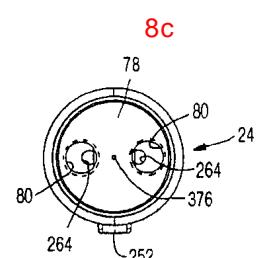
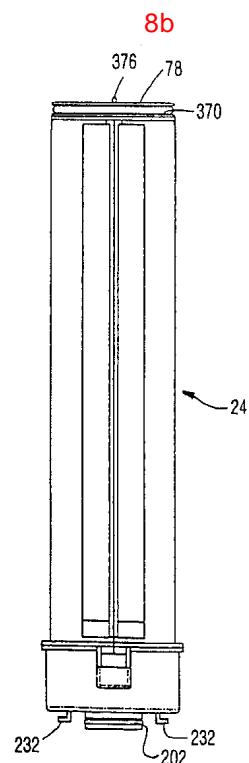


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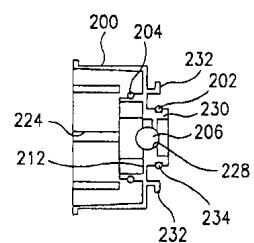


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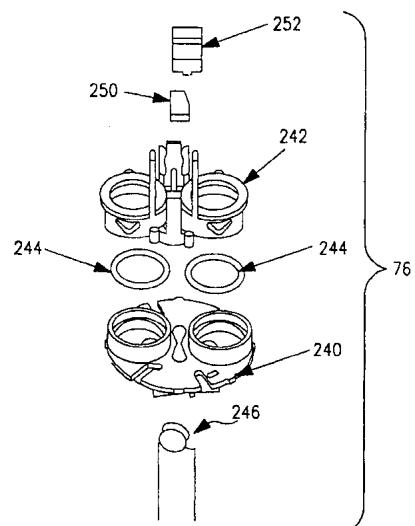




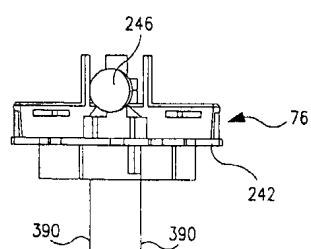
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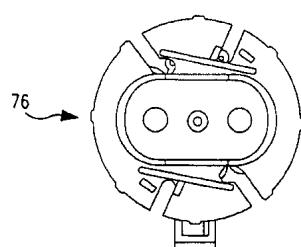
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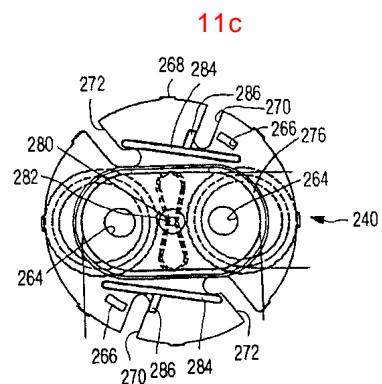
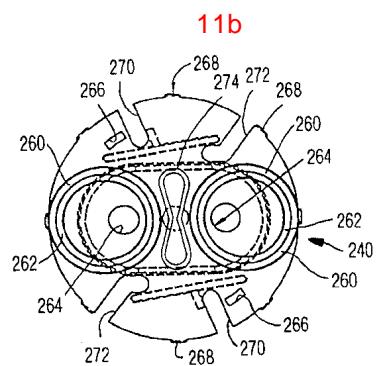
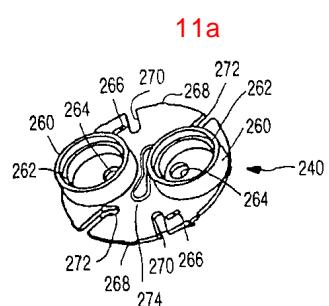
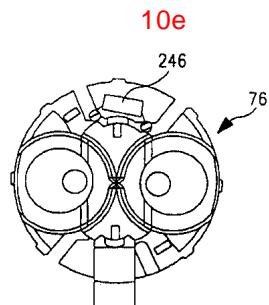
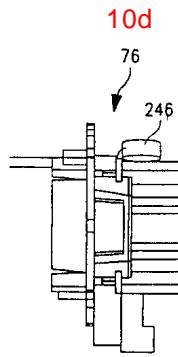


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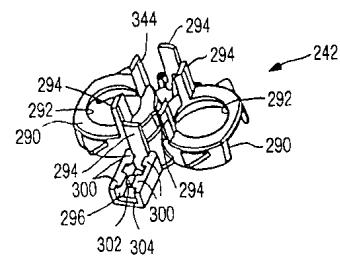


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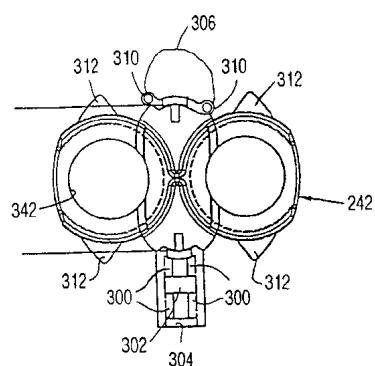




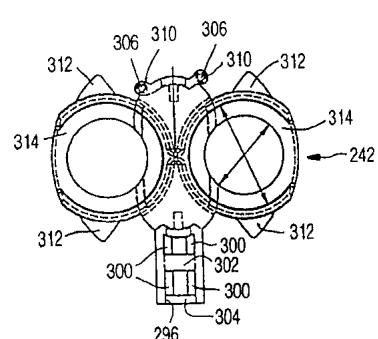
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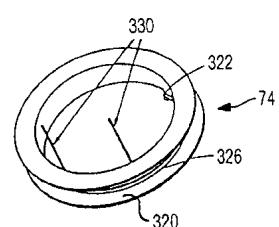
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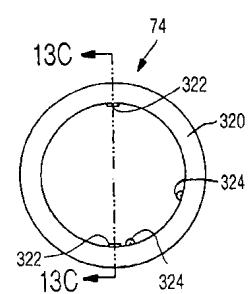
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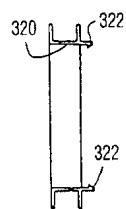
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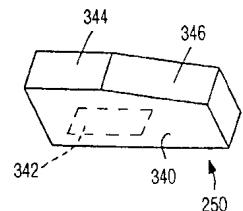
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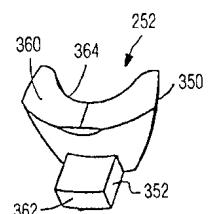
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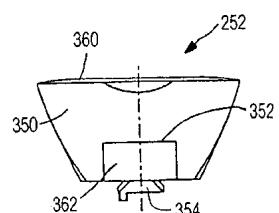
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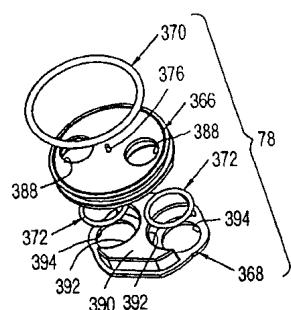
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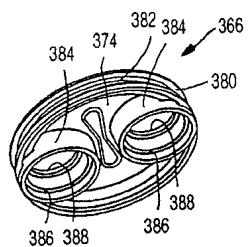
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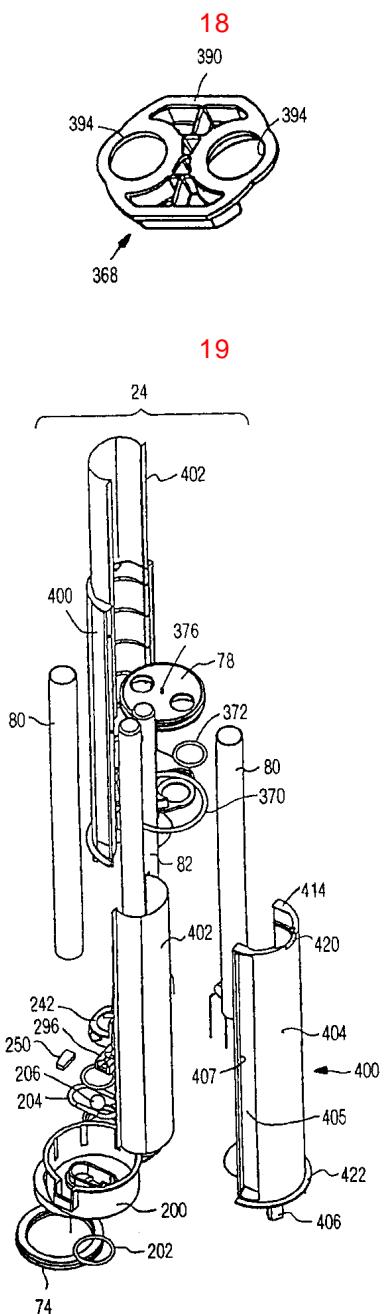


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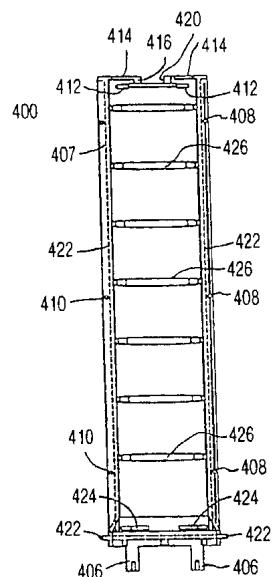


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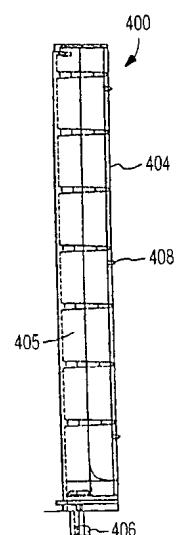




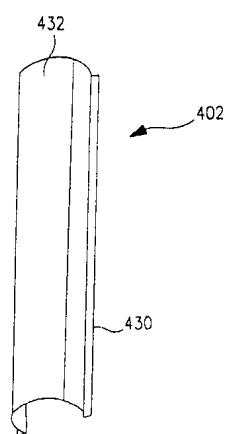
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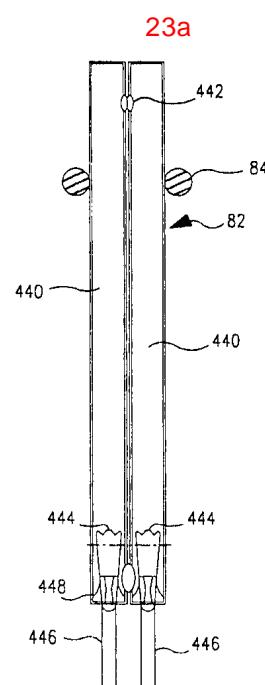
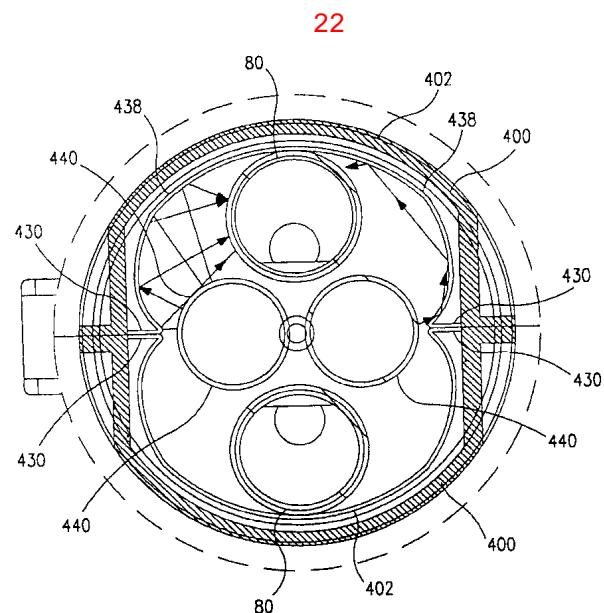
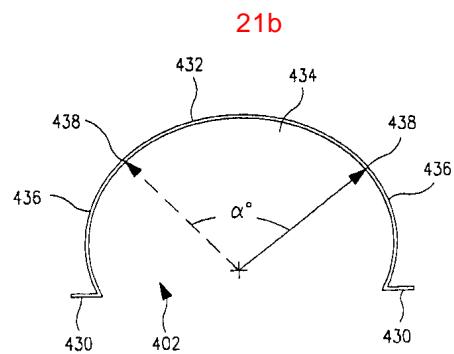


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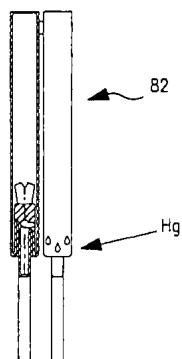


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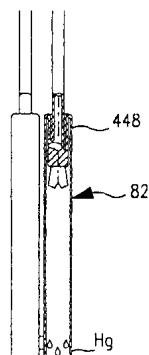




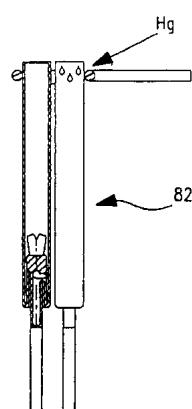
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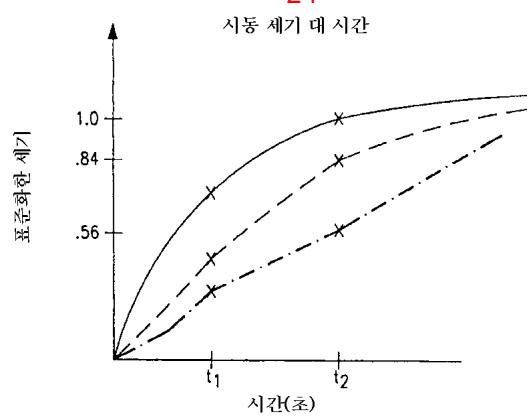


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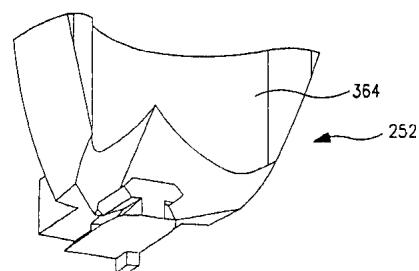
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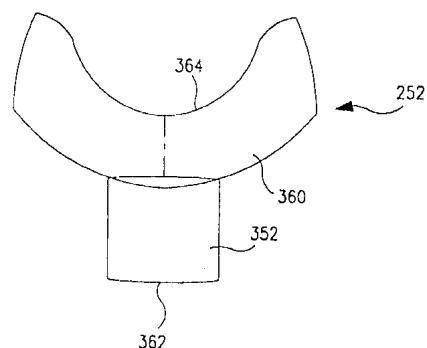


- 흡열 장치가 없고 기부가 아래로
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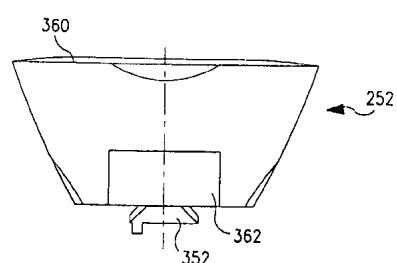
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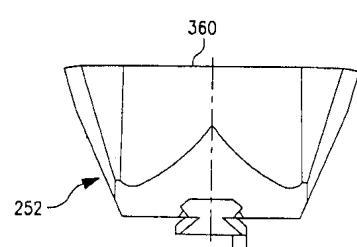
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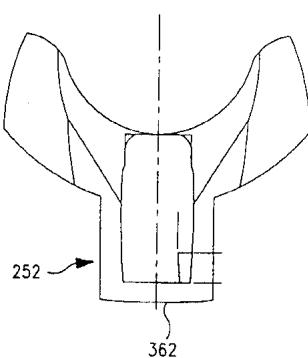
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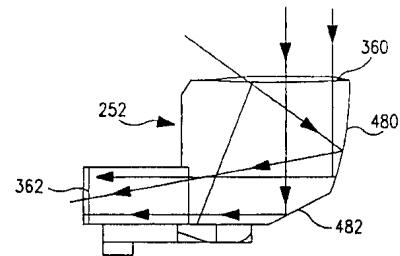
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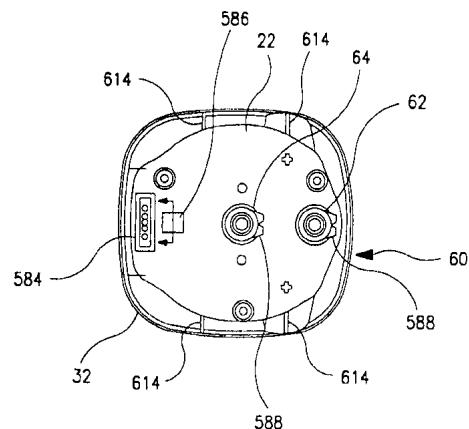
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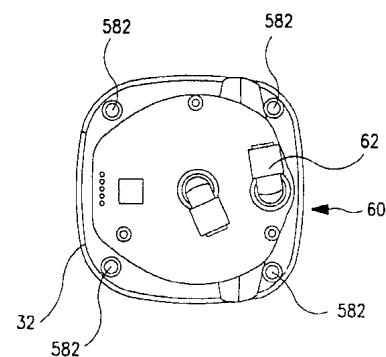
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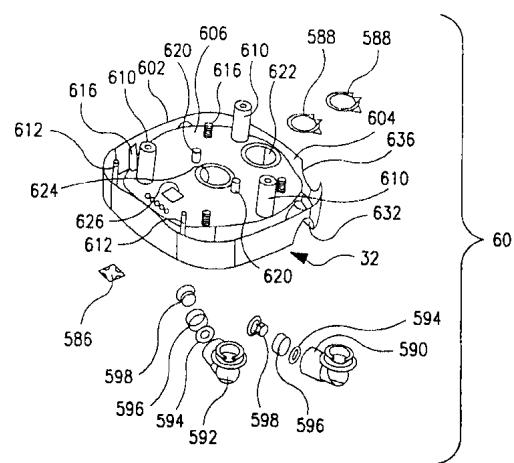
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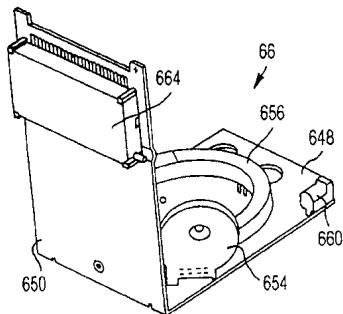
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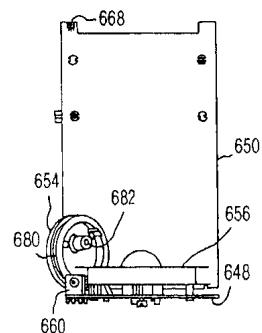
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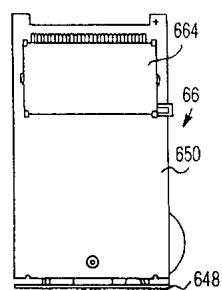
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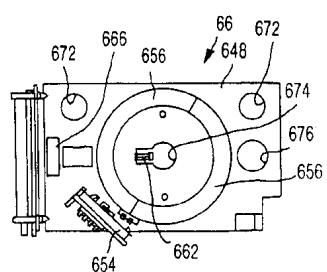
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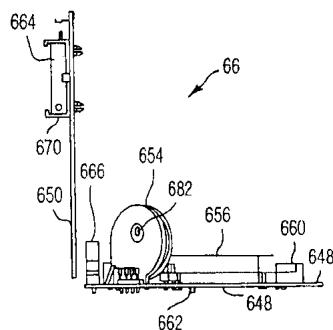
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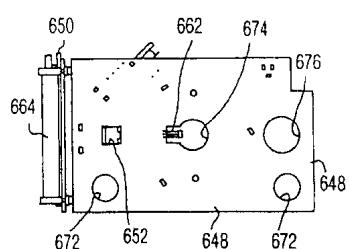
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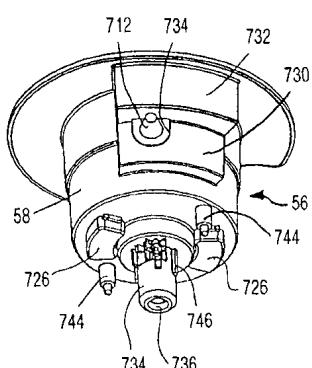
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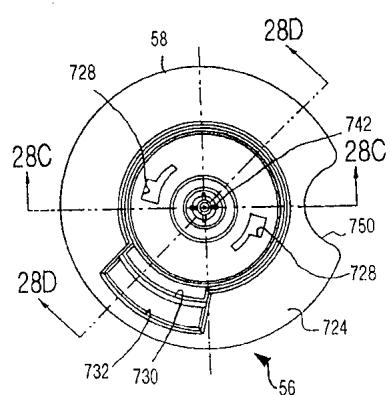
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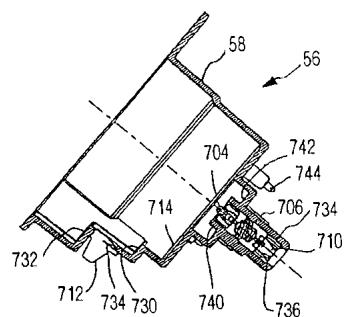
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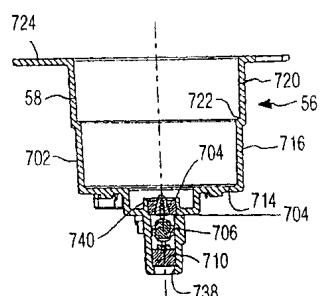
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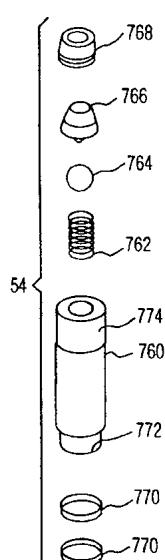
28c



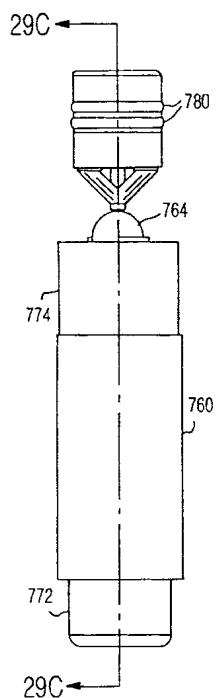
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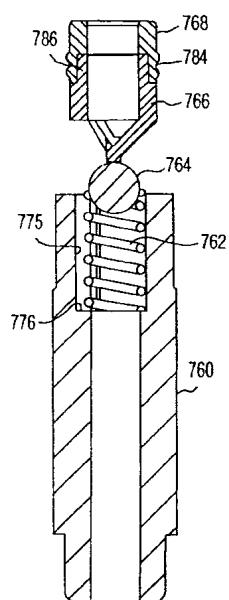
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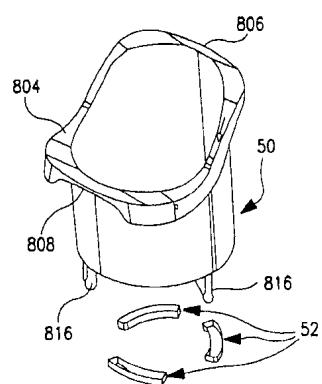
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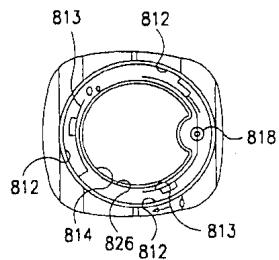
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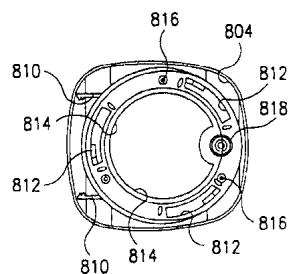
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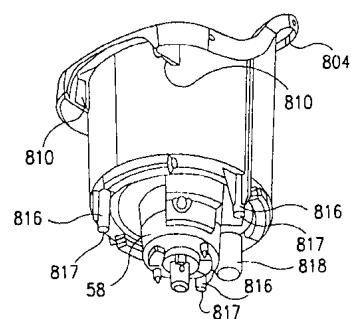
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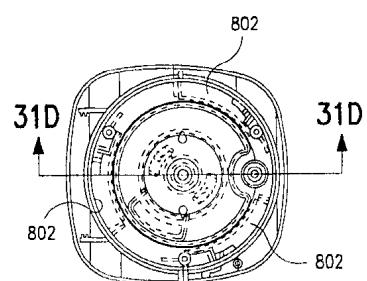
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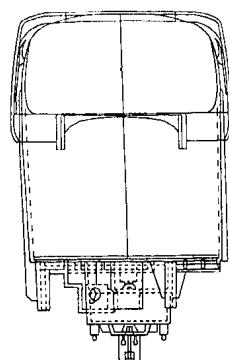
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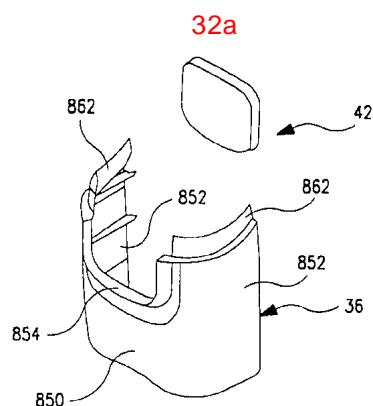
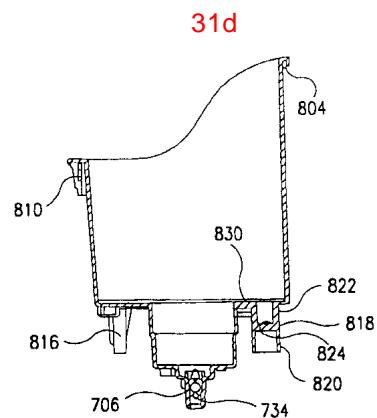
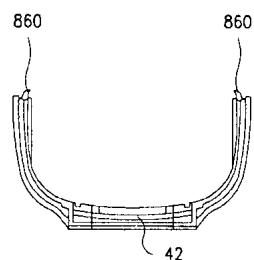
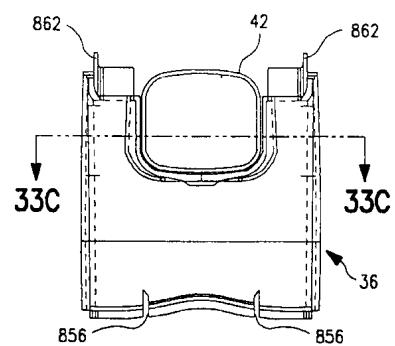


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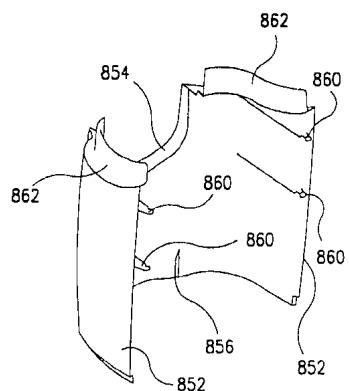


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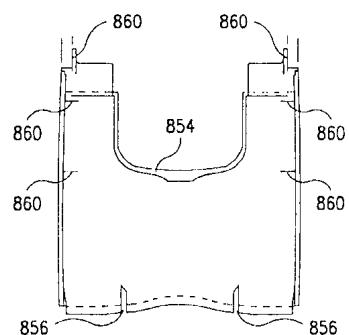


**32b****32c**

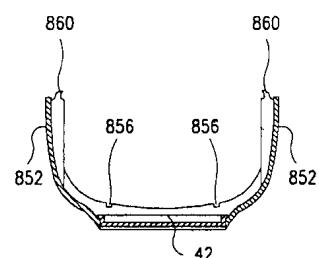
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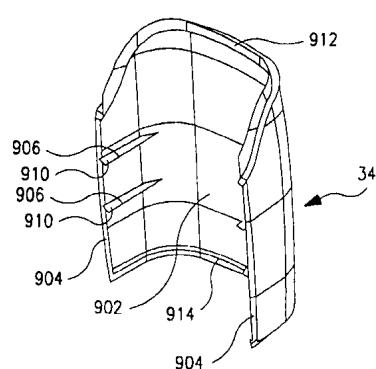
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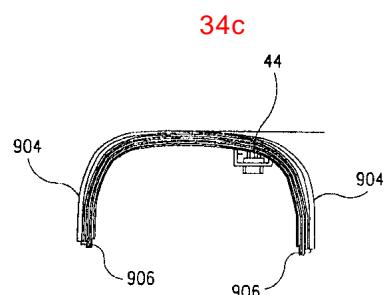
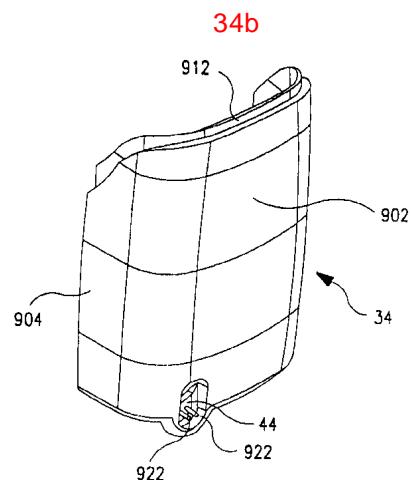


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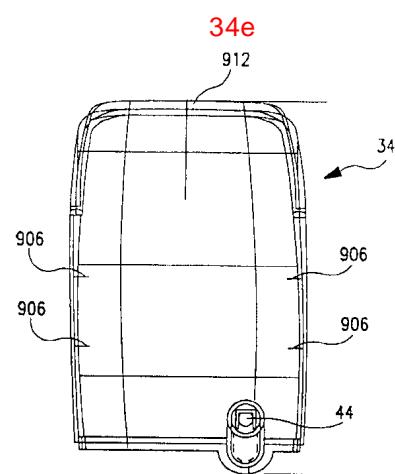
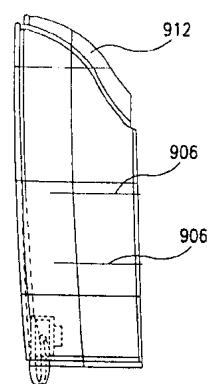


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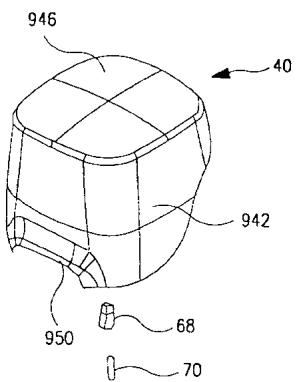




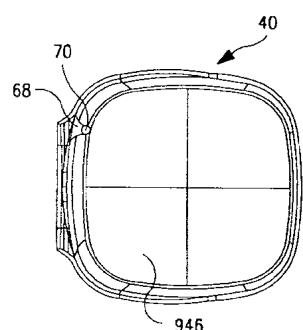
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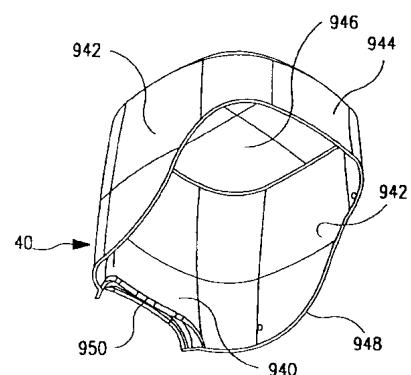
35a



35b



36a



36b

