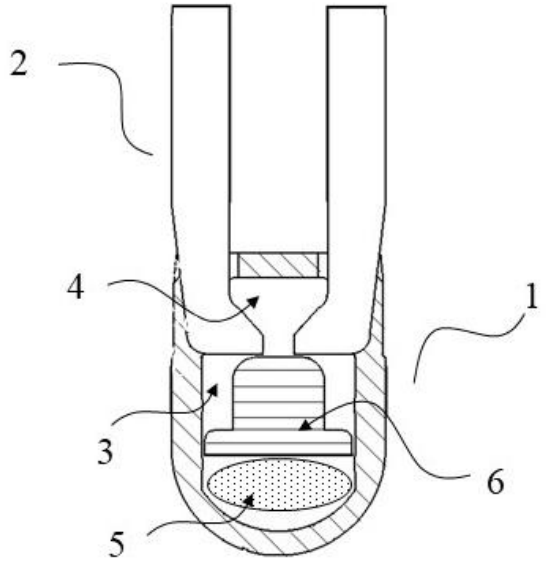


FIG. 1a

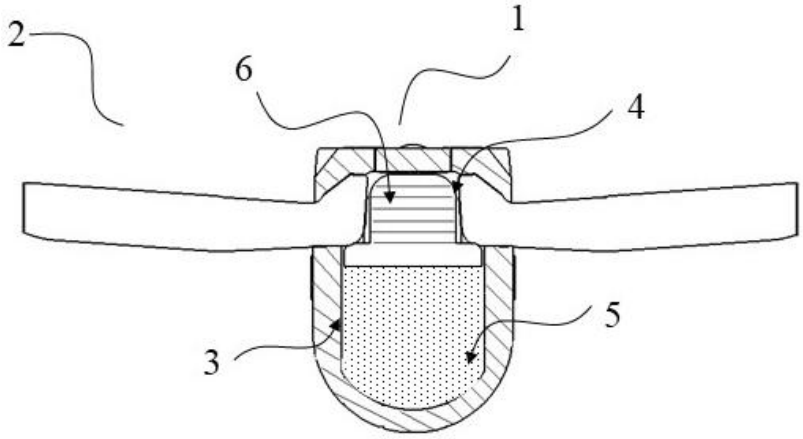


FIG. 1b

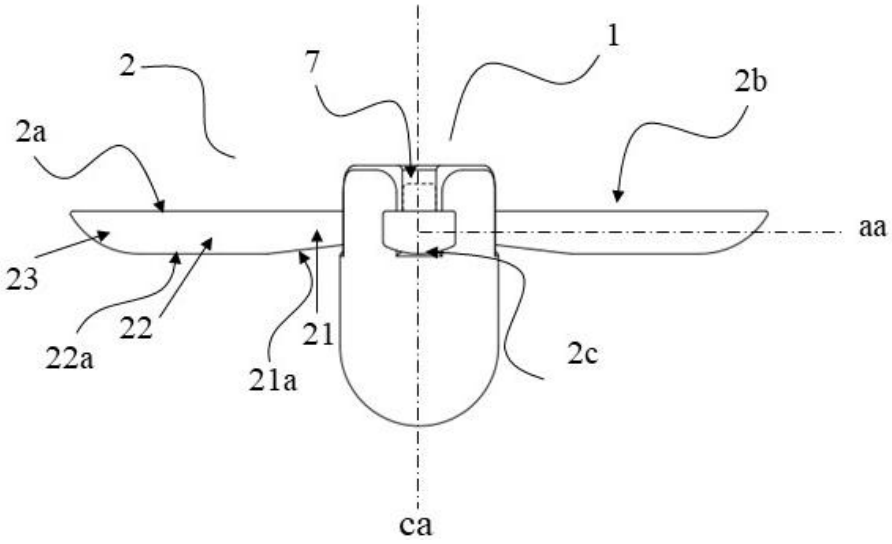


FIG. 2

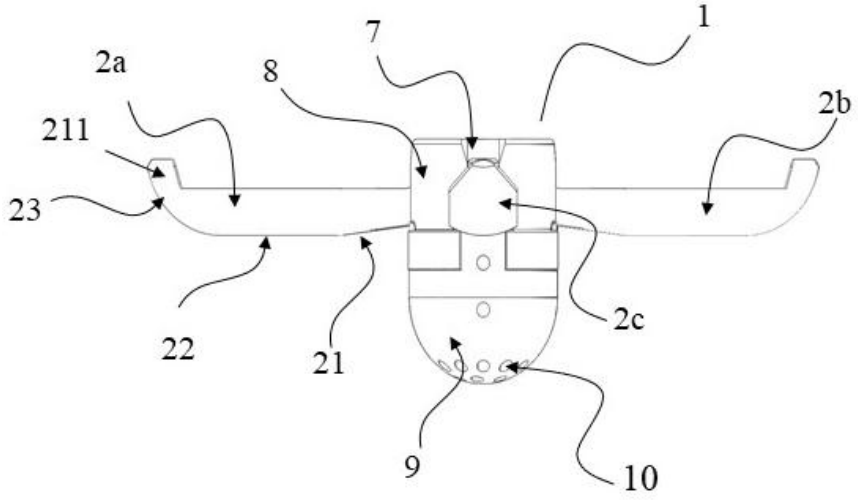


FIG. 3

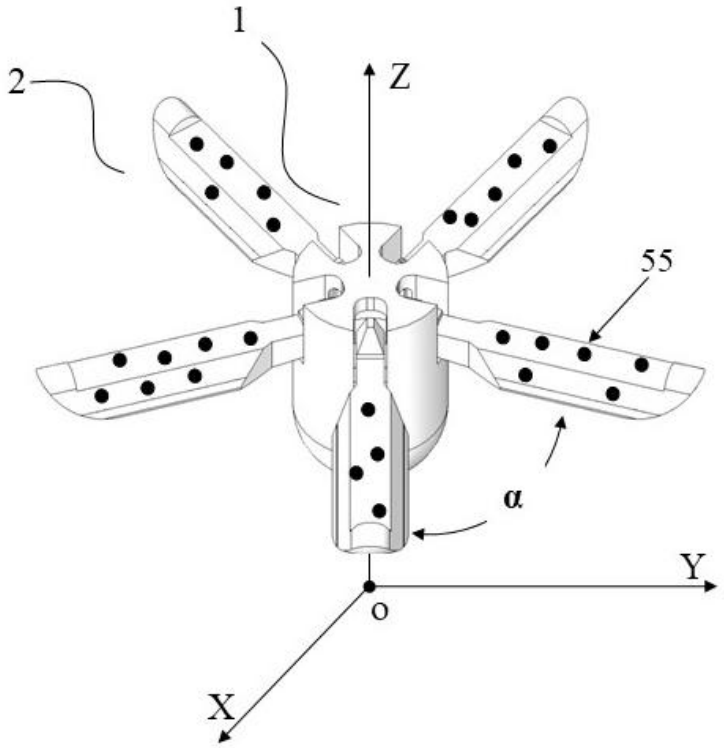


FIG. 4

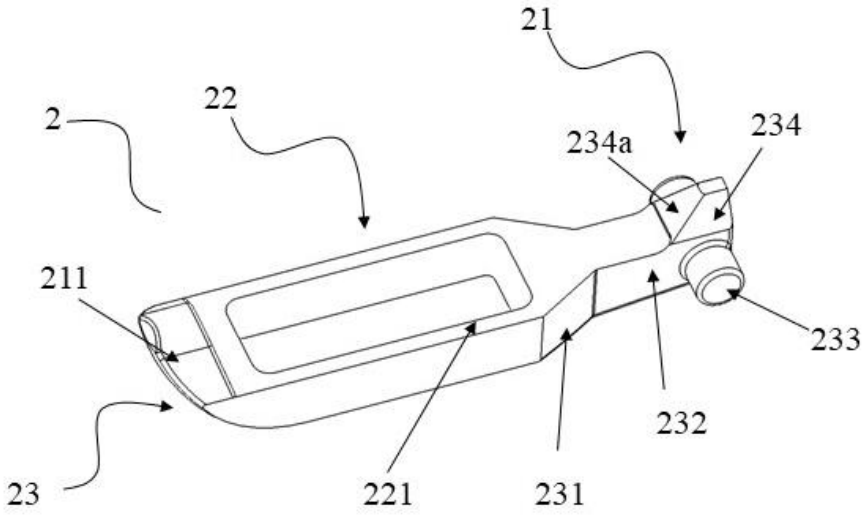


FIG. 5

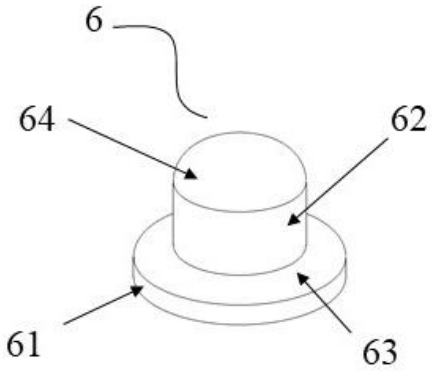


FIG. 6a

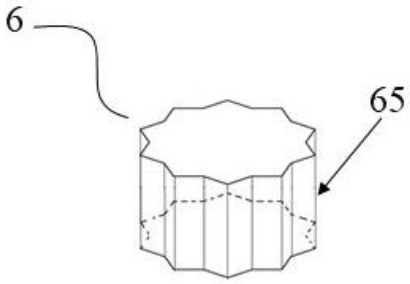


FIG. 6b

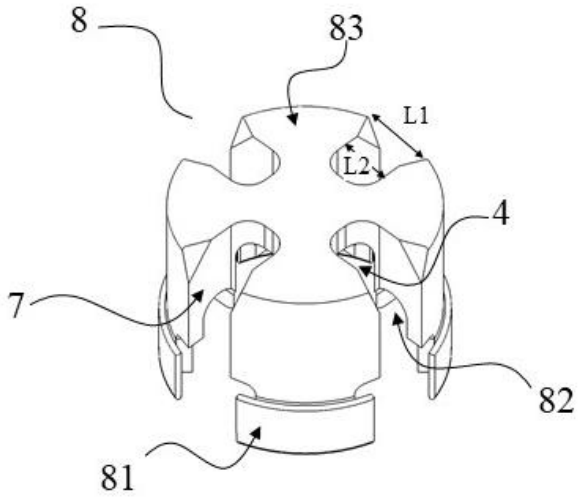


FIG. 7

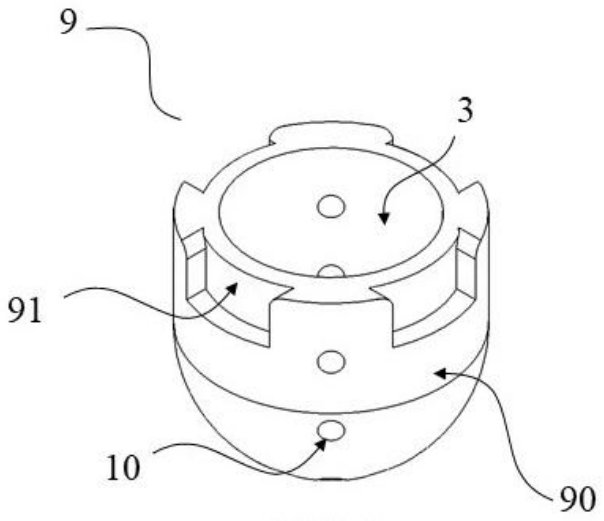


FIG. 8

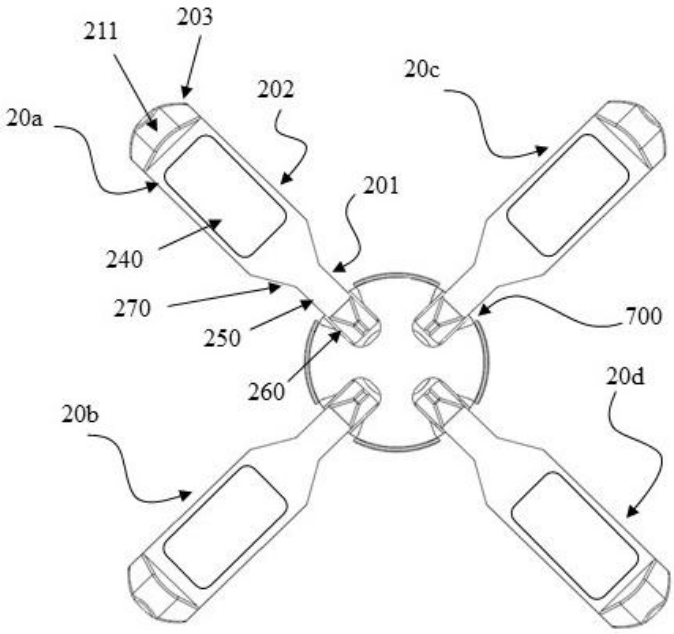


FIG. 9a

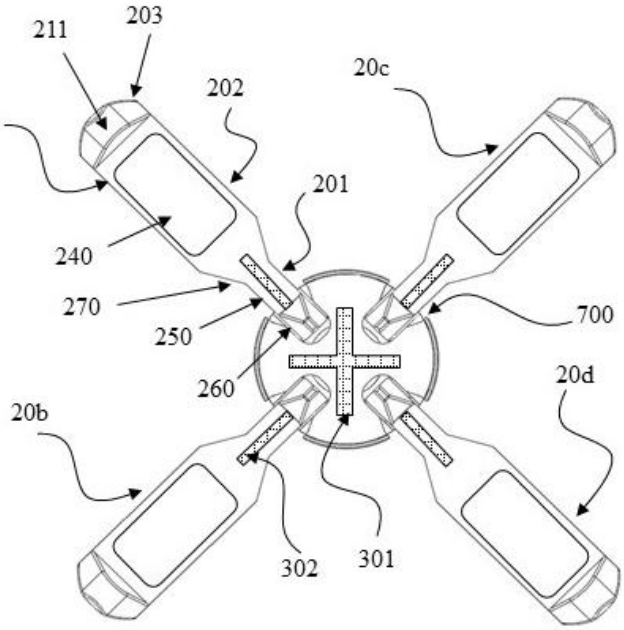

211
203
202
20c
201
240
270
250
260
700
20d
20b
302
301

FIG. 9b

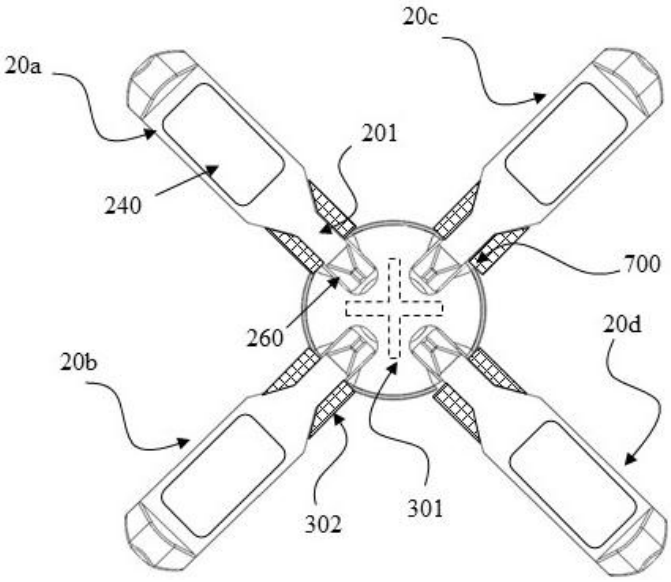

20c
20a
201
240
700
260
20d
20b
302
301

FIG. 9c

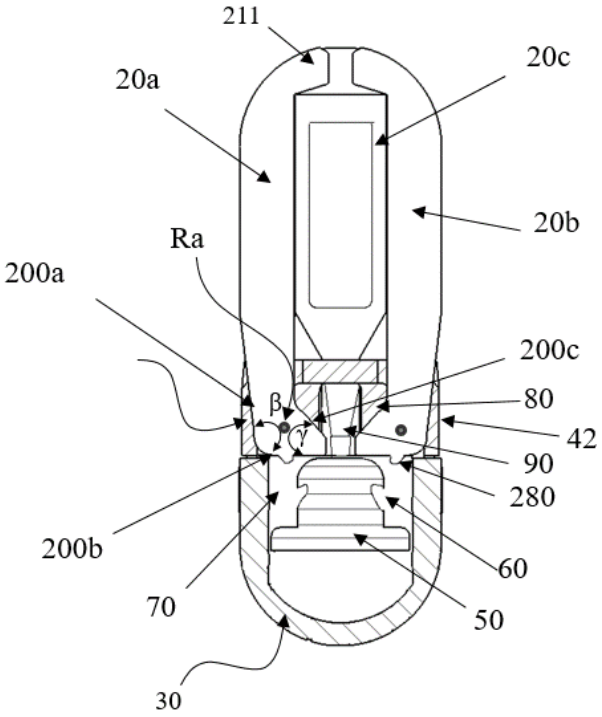


FIG. 10a

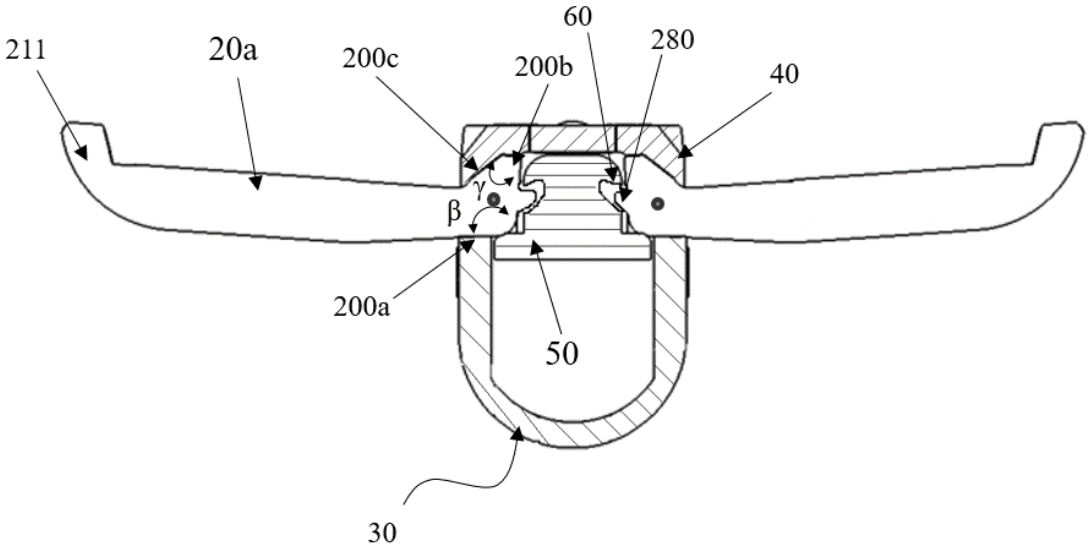


FIG. 10b

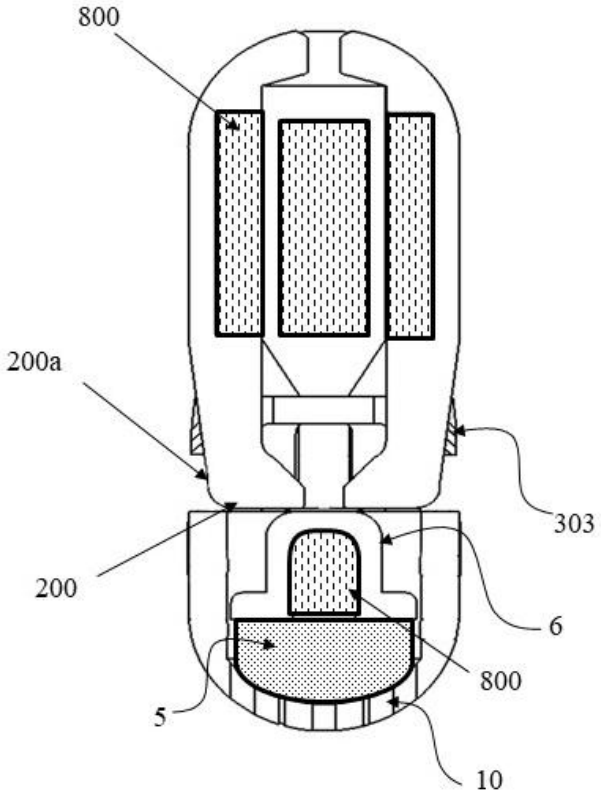


FIG. 10c

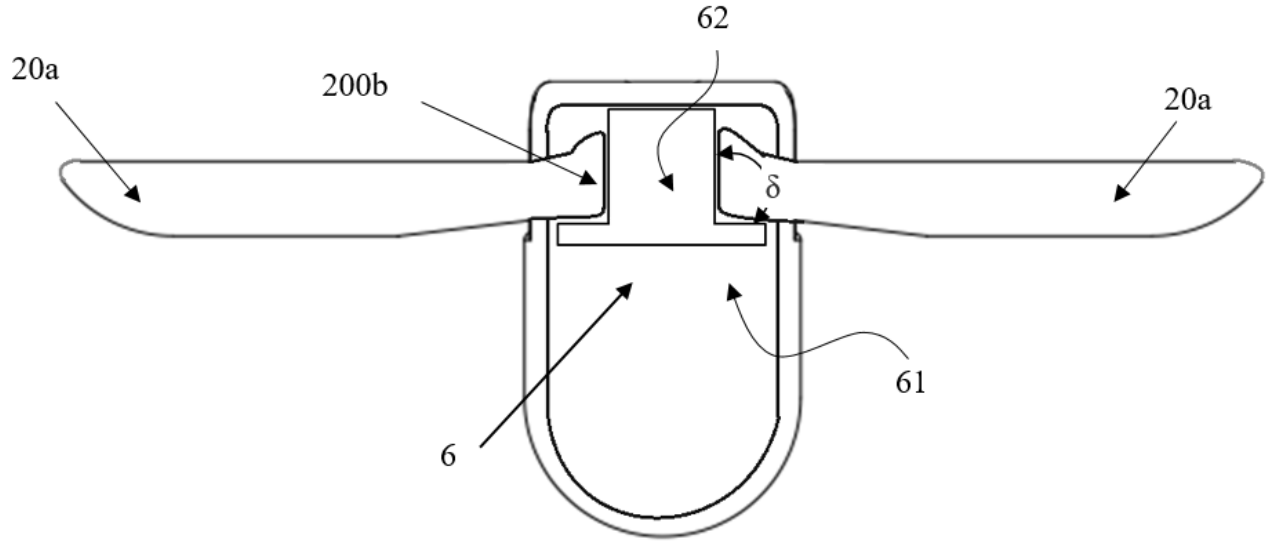


FIG. 10d

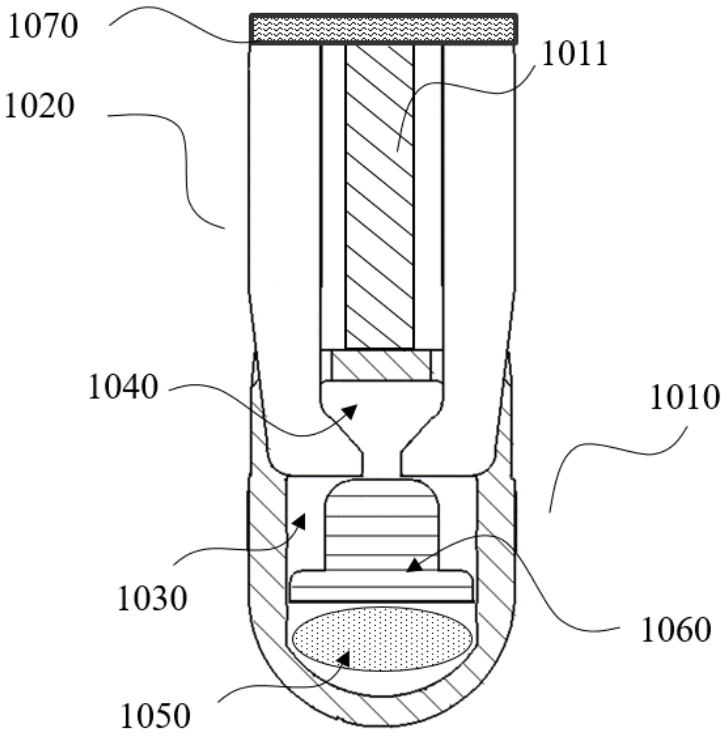


FIG. 11a

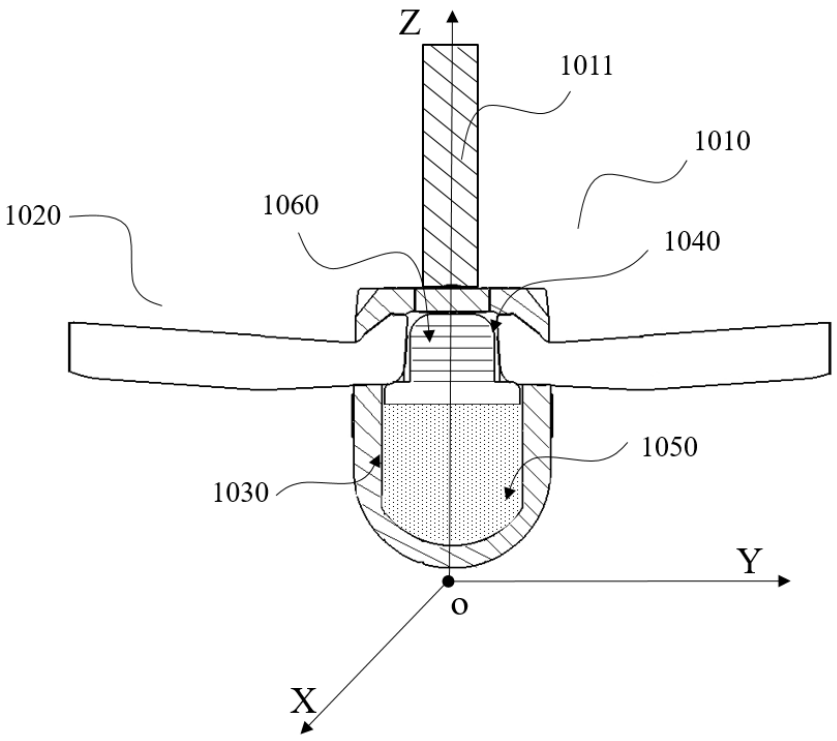


FIG. 11b

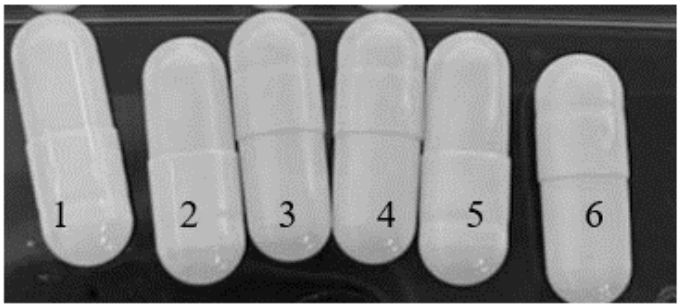
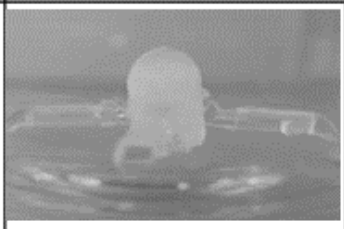
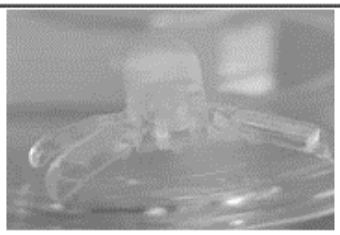
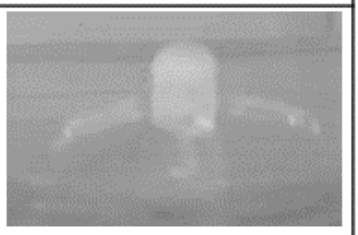
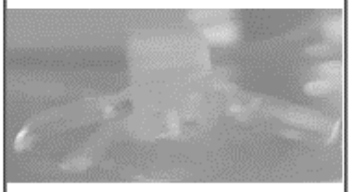
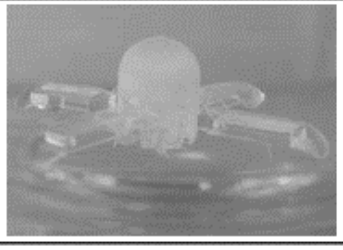
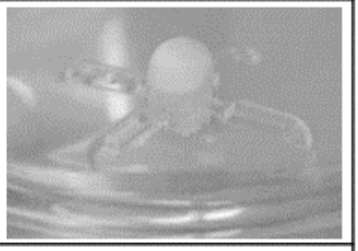
Pre-experimental state			
Sample No.	1	2	3
Expanded state			
Expansion time	1 hour	1 hour and 45 minutes	33 minutes
Sample No.	4	5	6
Expanded state			
Expansion time	50 minutes	1 hour and 6 minutes	1 hour and 10 minutes

FIG. 12

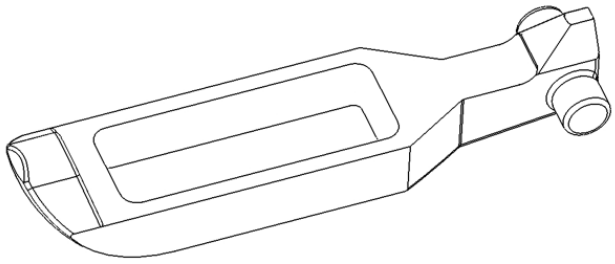


FIG. 13a

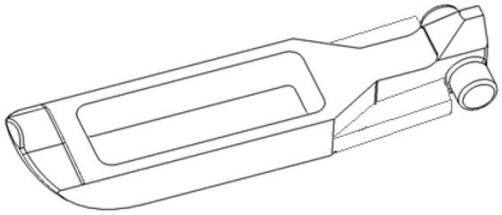


FIG. 13b

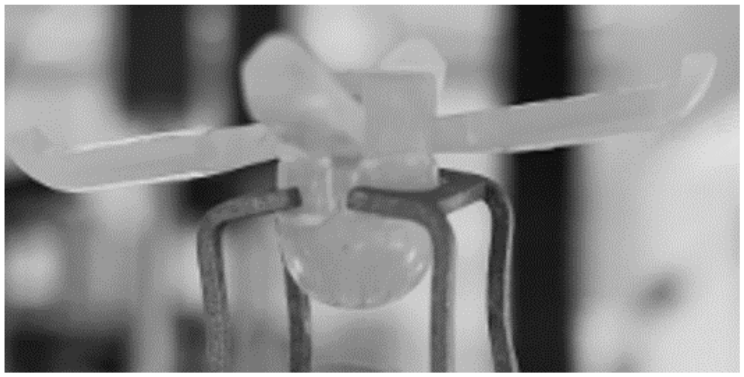


FIG. 14

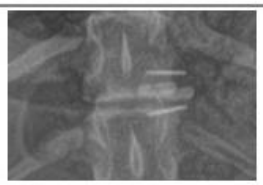
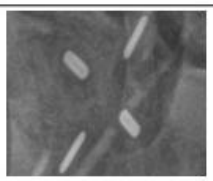
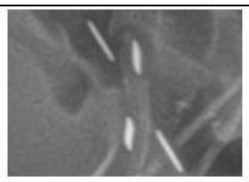
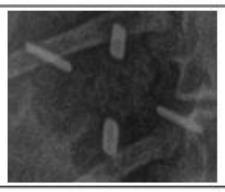
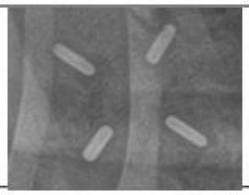
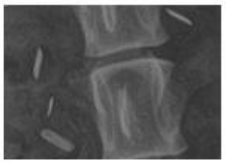
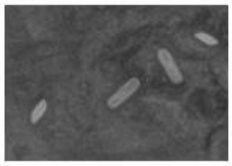
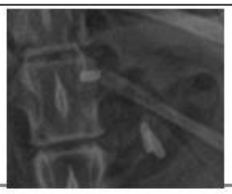
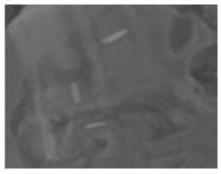
Time	Front shot	Side shot	Tablet status Canine status
0.5 hour			Stomach, not expanded Normal
1 hour			Stomach, fully expanded Normal
10 hours			Stomach, fully expanded Normal
24 hours			Stomach, fully expanded Normal
36 hours			Intestine, disintegrated Normal
48 hours			Intestine, disintegrated Normal

FIG. 15

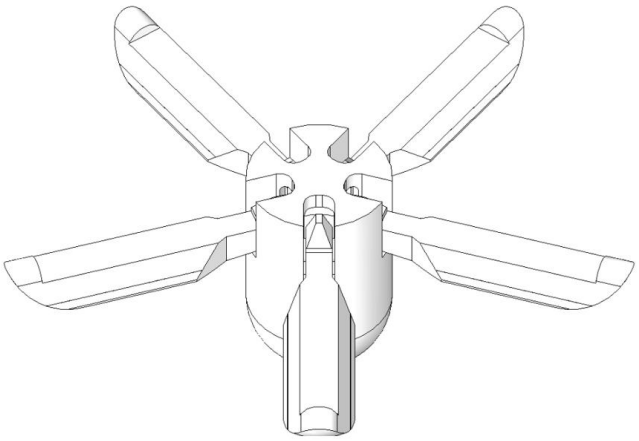


FIG. 16