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(12) **United States Design Patent**  
**Zeng et al.**

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(45) **Date of Patent:** **\*\* May 19, 2015**

(54) **MULTI-ZONE VIBRATOR**

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(73) Assignee: **Church & Dwight Co., Inc.**, Princeton, NJ (US)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/497,237**

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(51) **LOC (10) Cl.** ..... **28-03**

(52) **U.S. Cl.**  
USPC ..... **D24/215**

(58) **Field of Classification Search**

CPC ..... A61H 19/30; A61H 19/32; A61H 19/34;  
A61H 19/40; A61H 19/44; A61H 19/50;  
A61H 19/00; A61H 2201/0153; A61H  
2201/0207; A61H 2201/0263; A61H  
2201/0111; A61H 2201/1253; A61H  
2205/082; A61H 2205/085; A61H 15/0085  
USPC ..... D24/200, 211, 212, 213, 214, 215;  
601/114, 120, 121, 124, 125, 130, 131,  
601/134, 135, 136, 137; D14/218  
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a multi-zone vibrator, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a multi-zone vibrator, the multi-zone vibrator is comprised of a holder, a first cap, a second cap and a third cap;

FIG. 2 is an exploded perspective view of the multi-zone vibrator;

FIG. 3 is a front view of the multi-zone vibrator;

FIG. 4 is a rear view of the multi-zone vibrator;

FIG. 5 is a side view of the multi-zone vibrator;

FIG. 6 is an opposite side view of the multi-vibrator;

FIG. 7 is a top plan view of the multi-vibrator;

FIG. 8 is a bottom plan view of the multi-vibrator;

FIG. 9 is a perspective view of the holder of the multi-vibrator;

FIG. 10 is a front view of the holder of the multi-vibrator;

FIG. 11 is a rear view of the holder of the multi-zone vibrator;

FIG. 12 is a side view of the holder of the multi-zone vibrator;

FIG. 13 is an opposite side view of the holder of the multi-vibrator;

FIG. 14 is a top plan view of the holder of the multi-vibrator;

FIG. 15 is a perspective view of the first cap of the multi-vibrator;

FIG. 16 is a front view of the first cap of the multi-zone vibrator;

FIG. 17 is a perspective view of the second cap of the multi-zone vibrator;

FIG. 18 is a front side view of the second cap of the multi-zone vibrator;

FIG. 19 is a side view of the second cap of the multi-vibrator;

FIG. 20 is a perspective view of the third cap of the multi-vibrator;

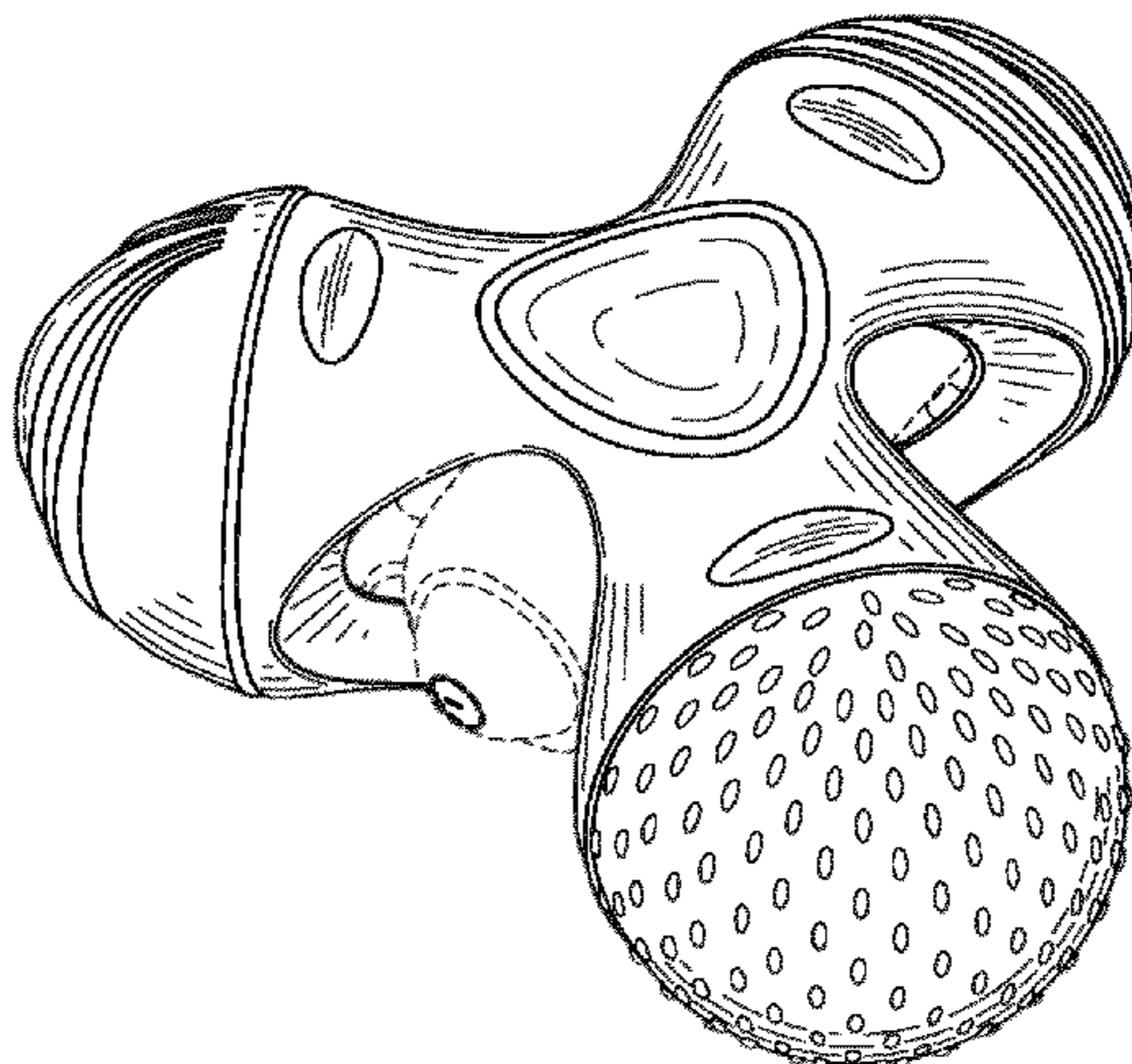
FIG. 21 is a front view of the third cap of the multi-vibrator;

FIG. 22 is a side view of the third cap of the multi-vibrator; and,

FIG. 23 is a top plan view of the third cap of the multi-vibrator.

The broken lines in the drawings illustrate environmental structure, and form no part of the claimed design.

**1 Claim, 14 Drawing Sheets**



(56)

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Fig. 1

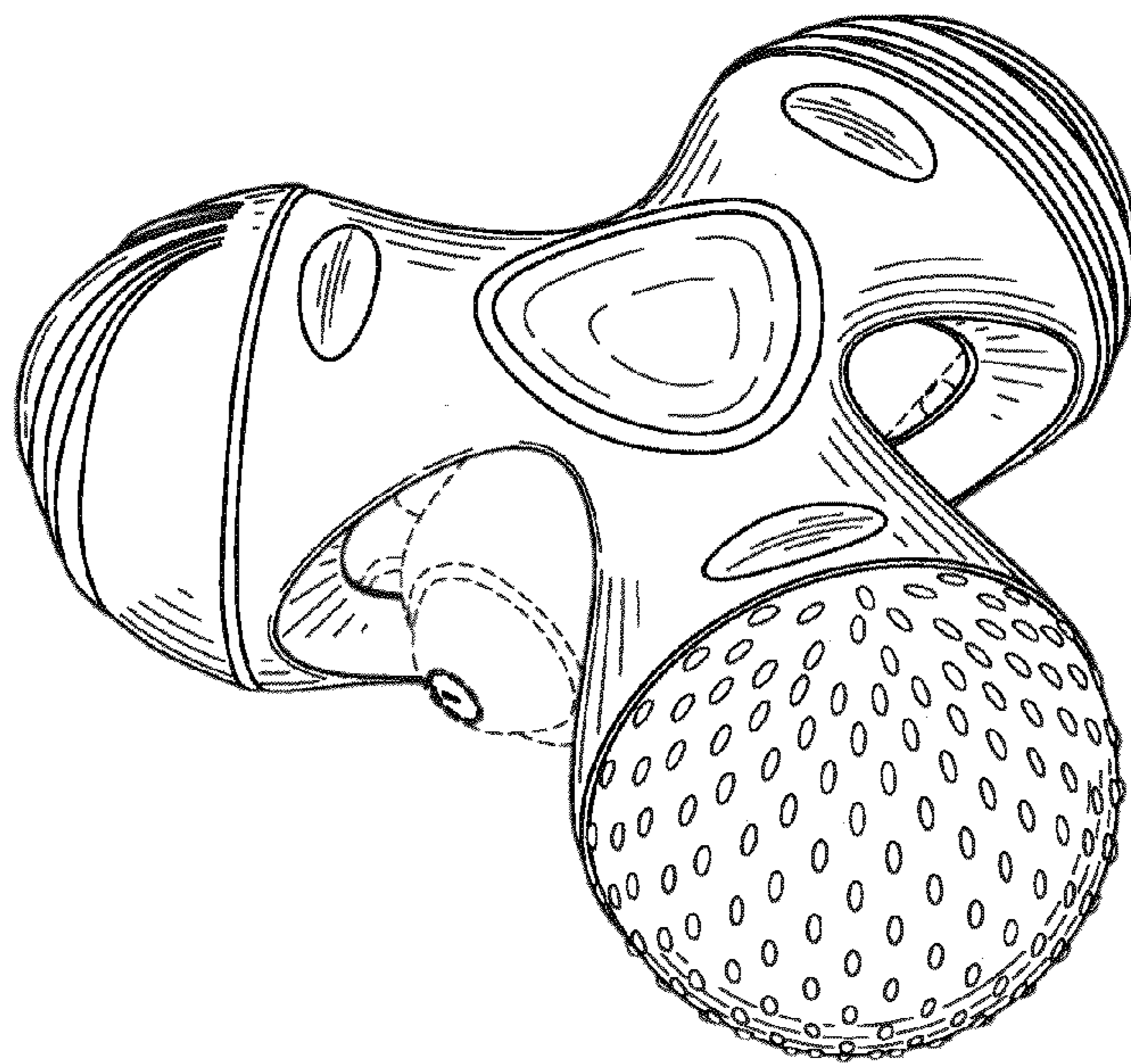




Fig. 2

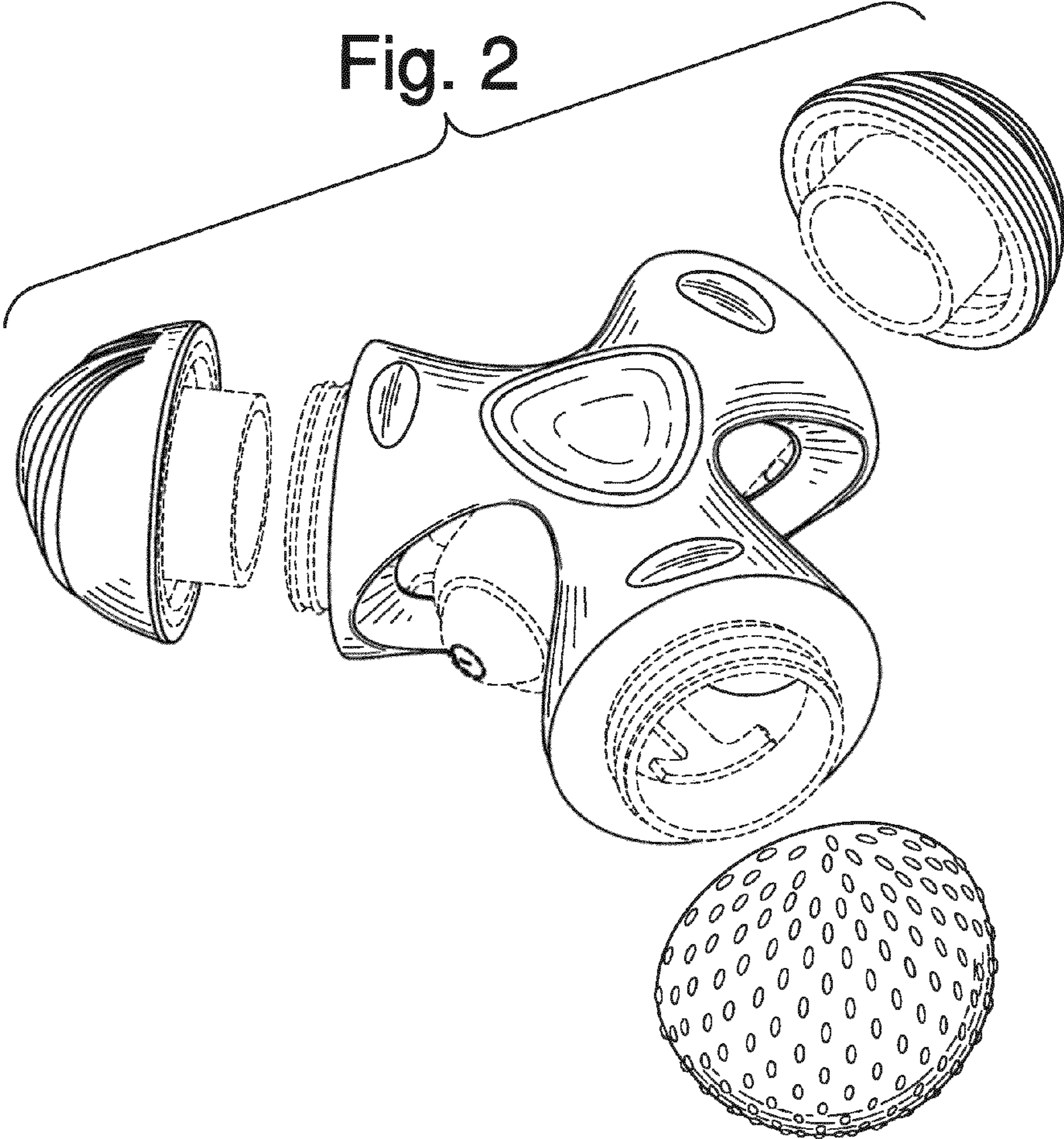


Fig. 3

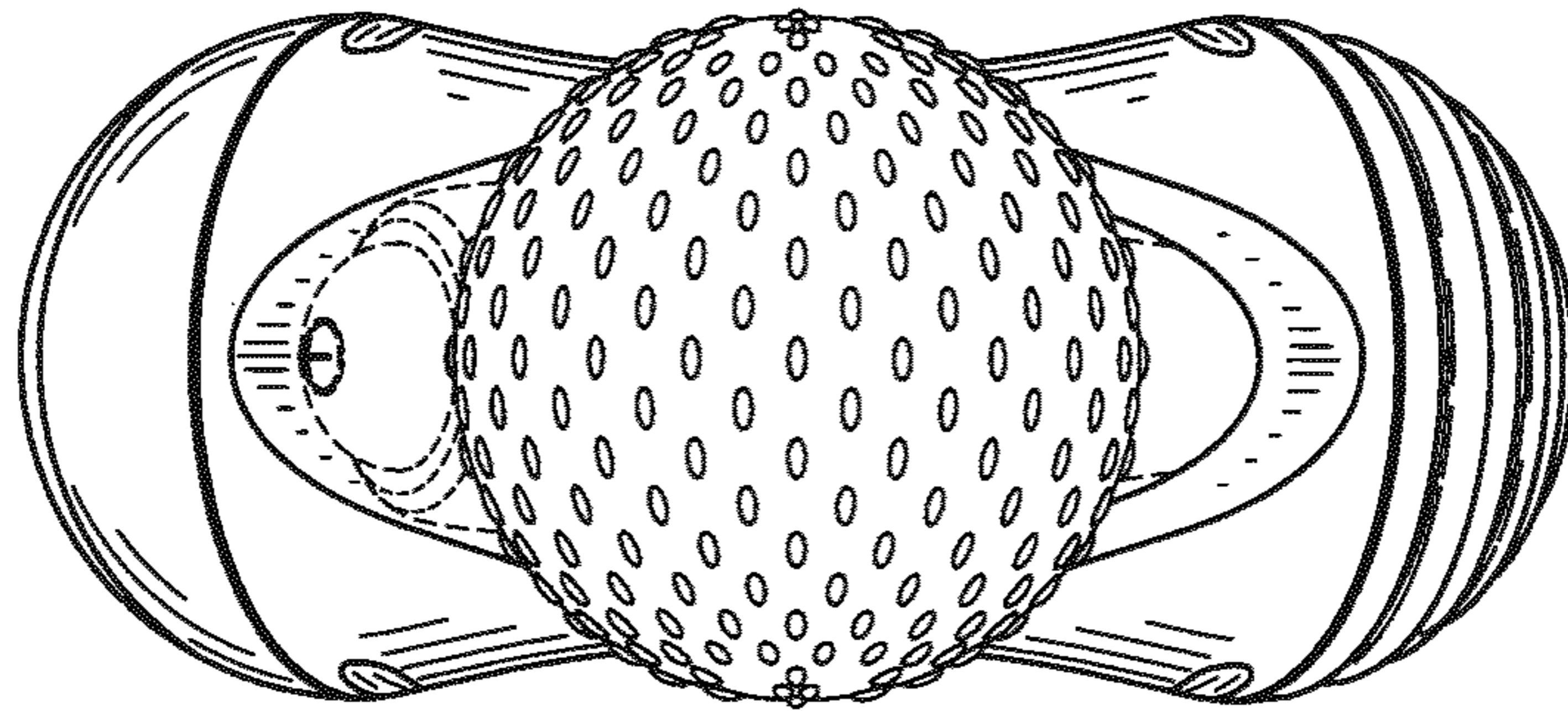


Fig. 4

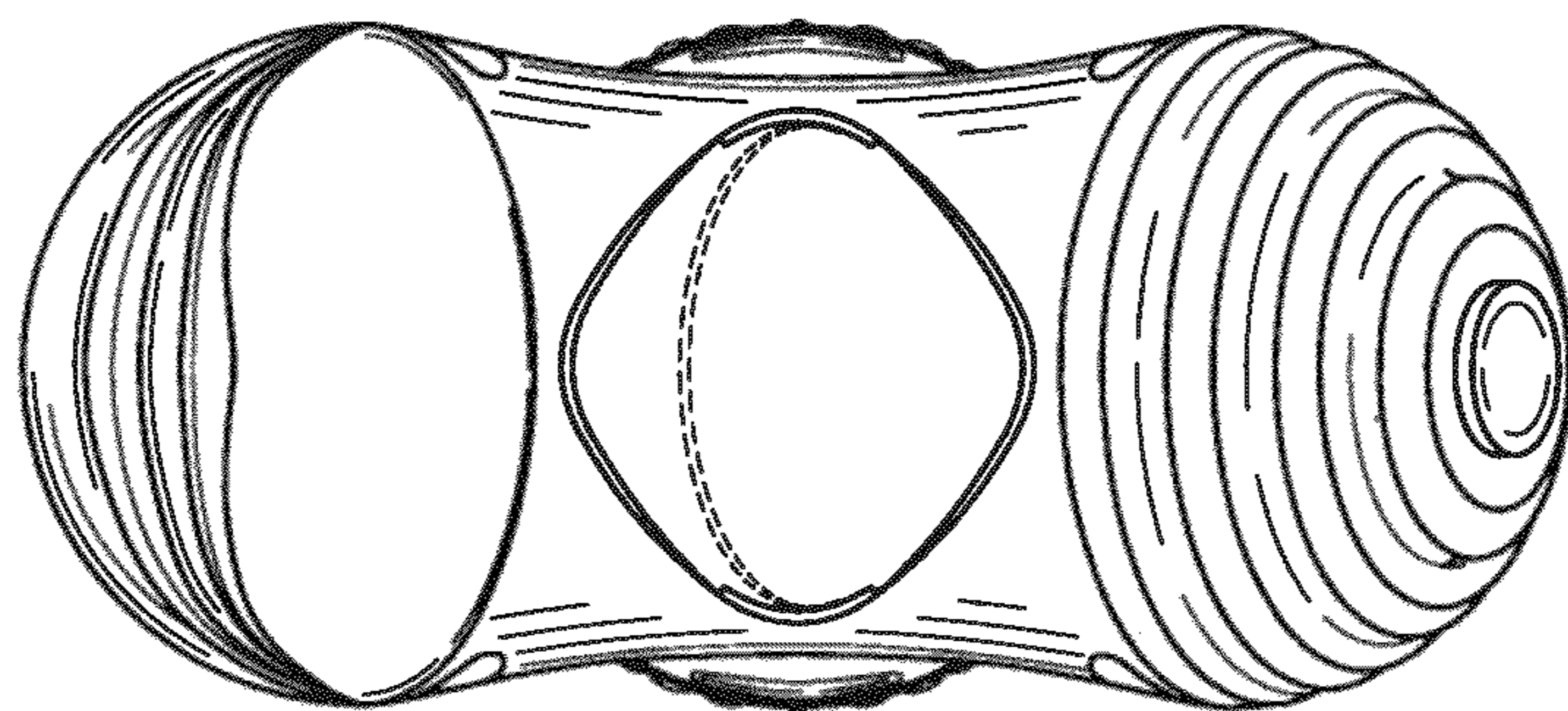


Fig. 5

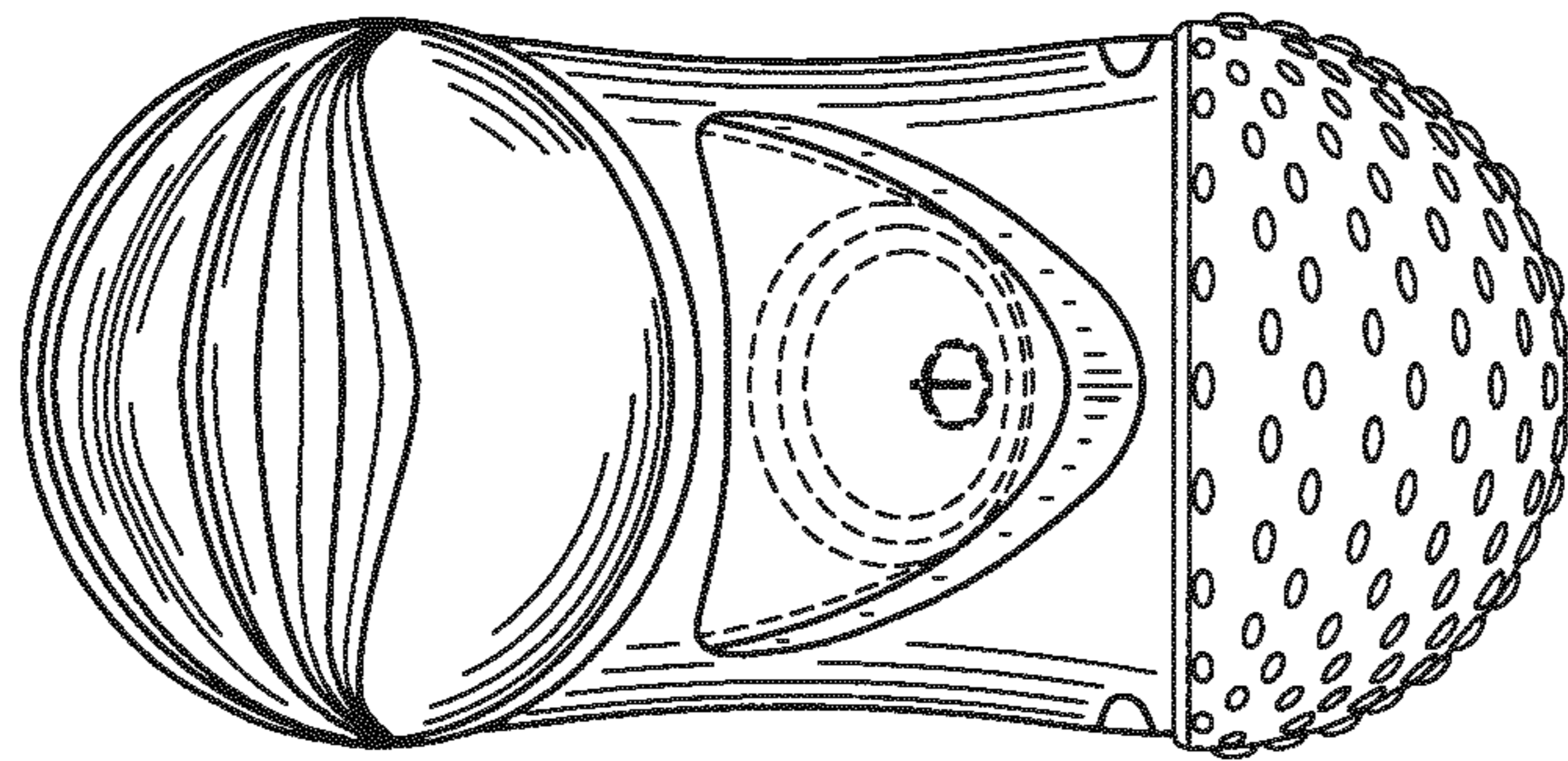


Fig. 6

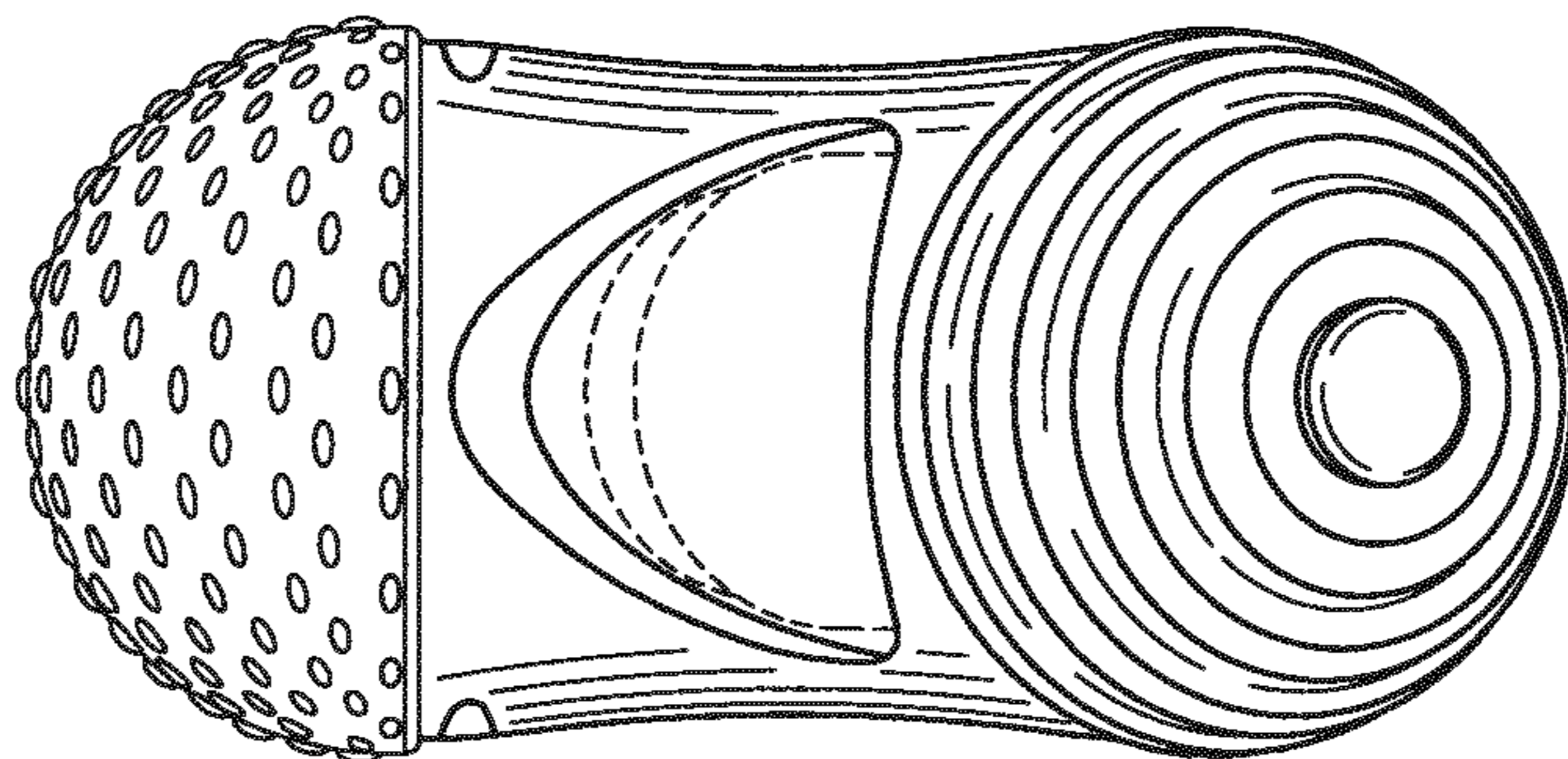




Fig. 7

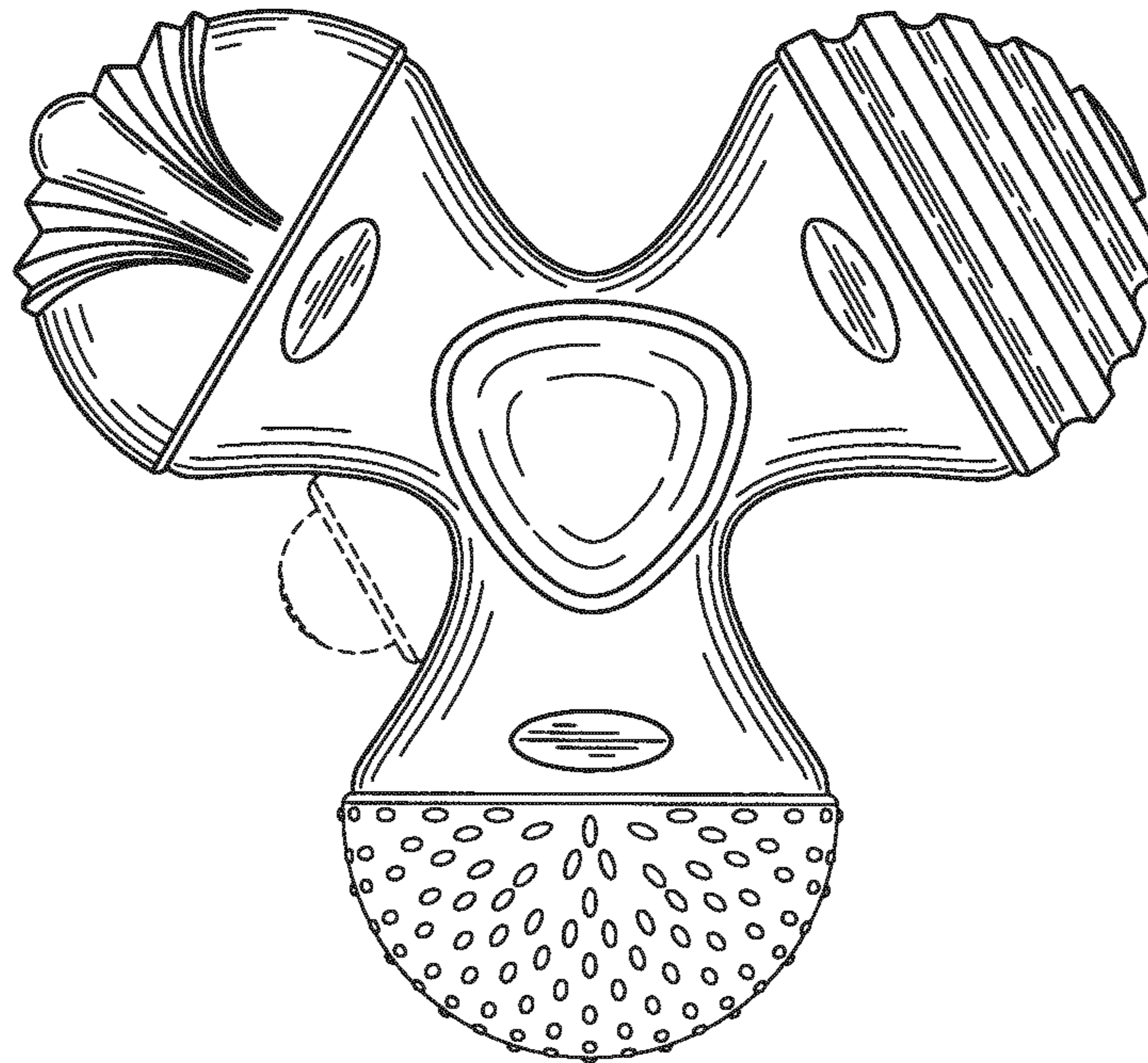


Fig. 8

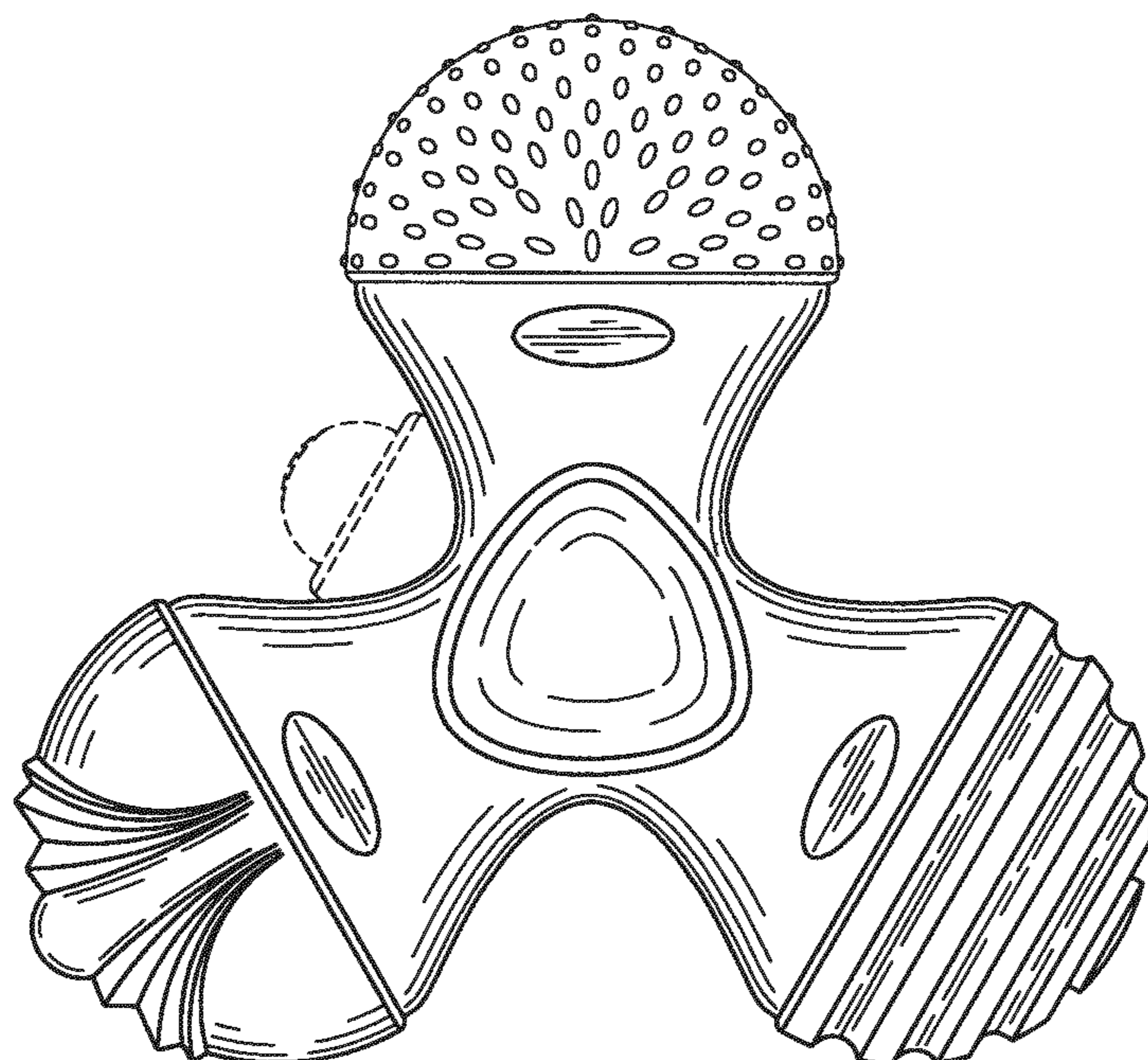


Fig. 9

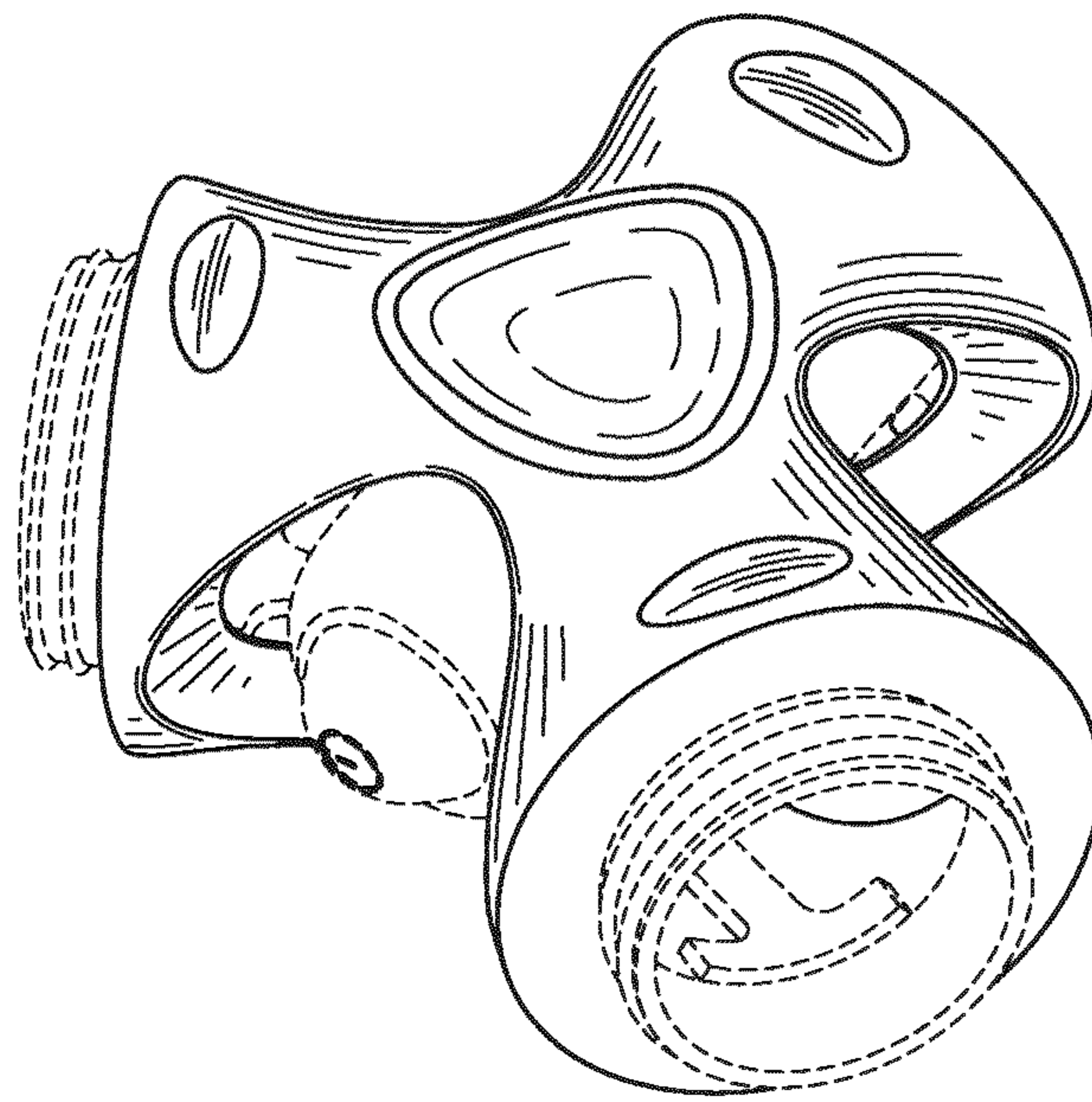




Fig. 10

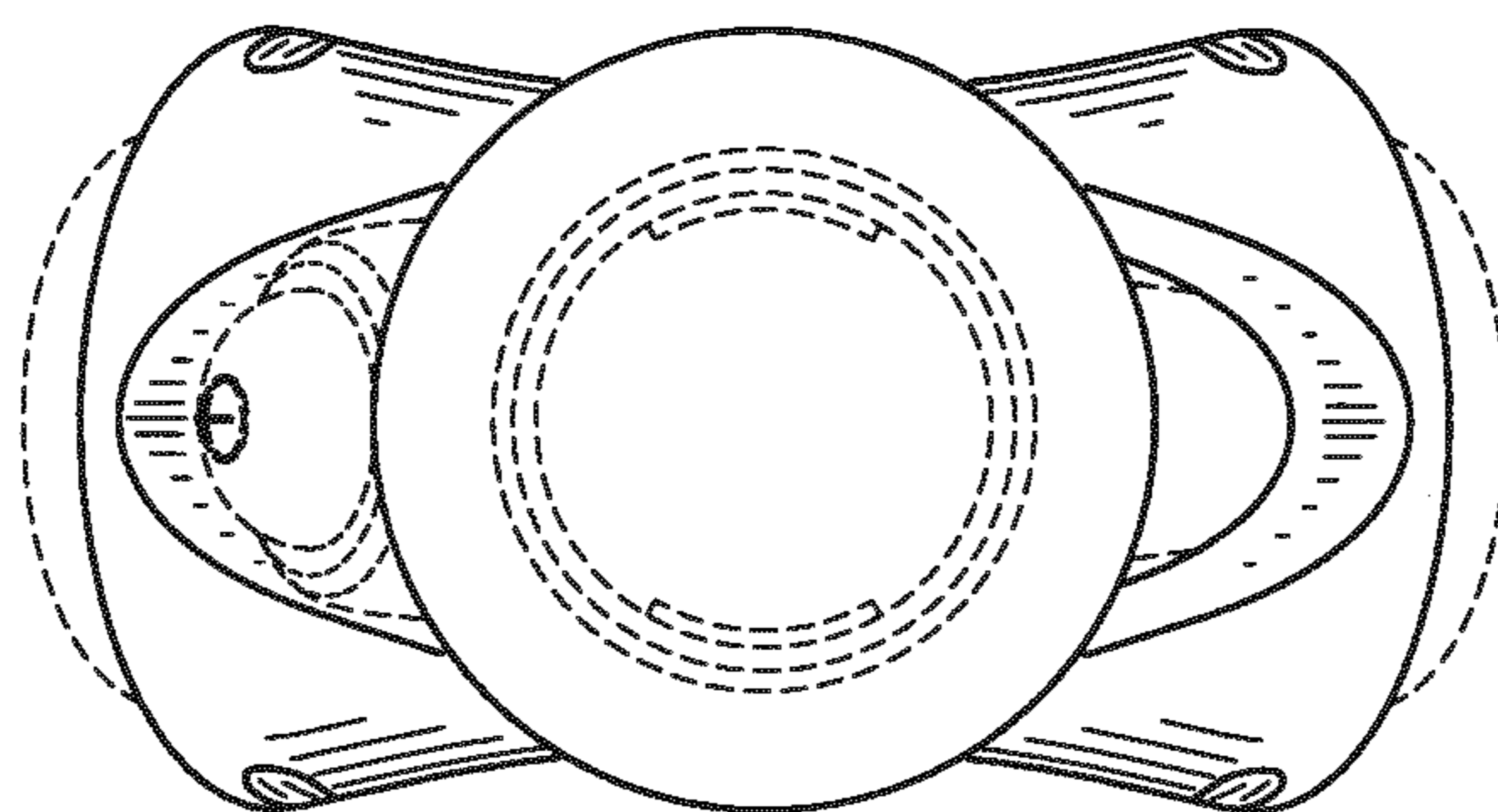


Fig. 11

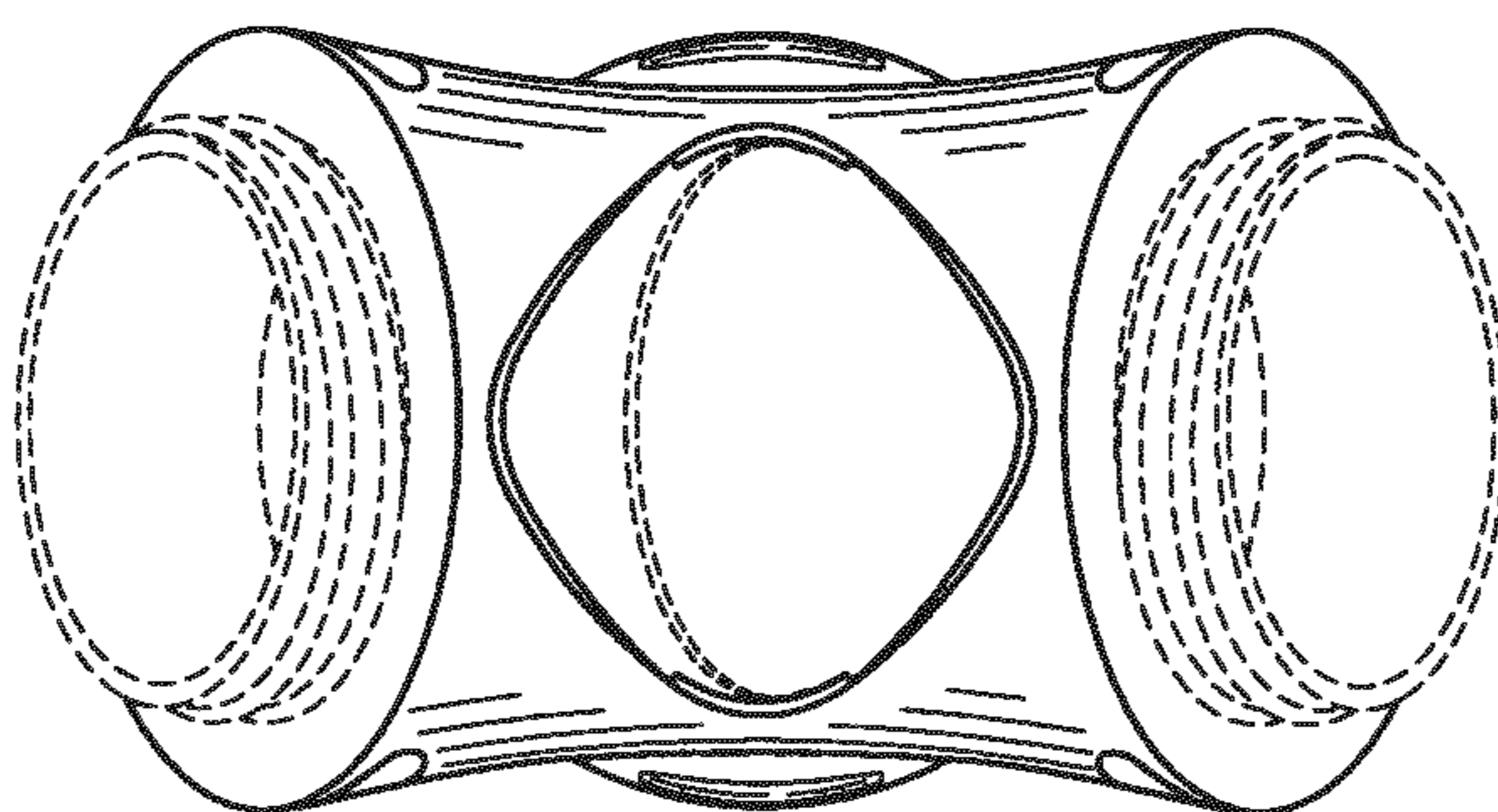


Fig. 12

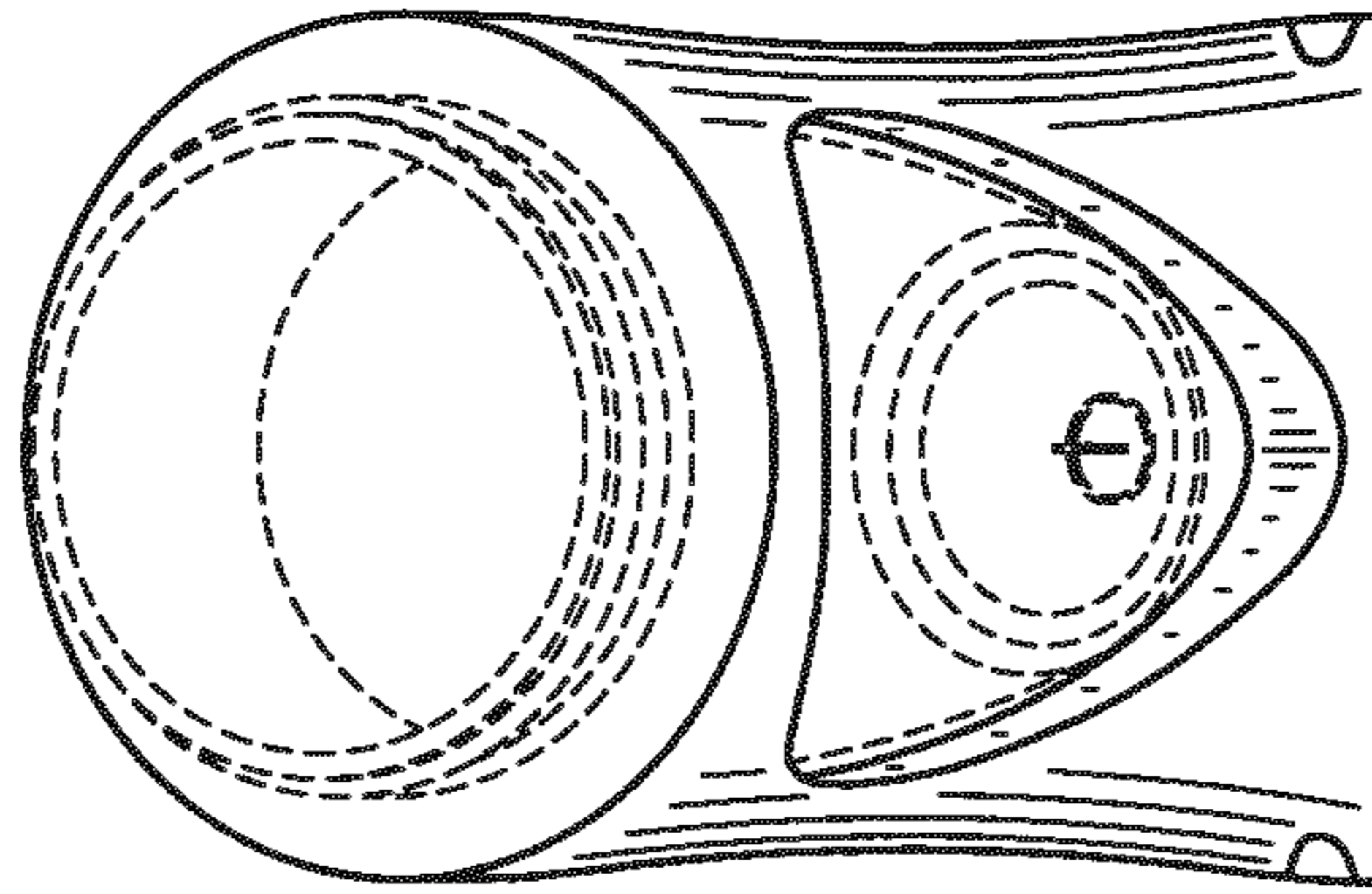


Fig. 13

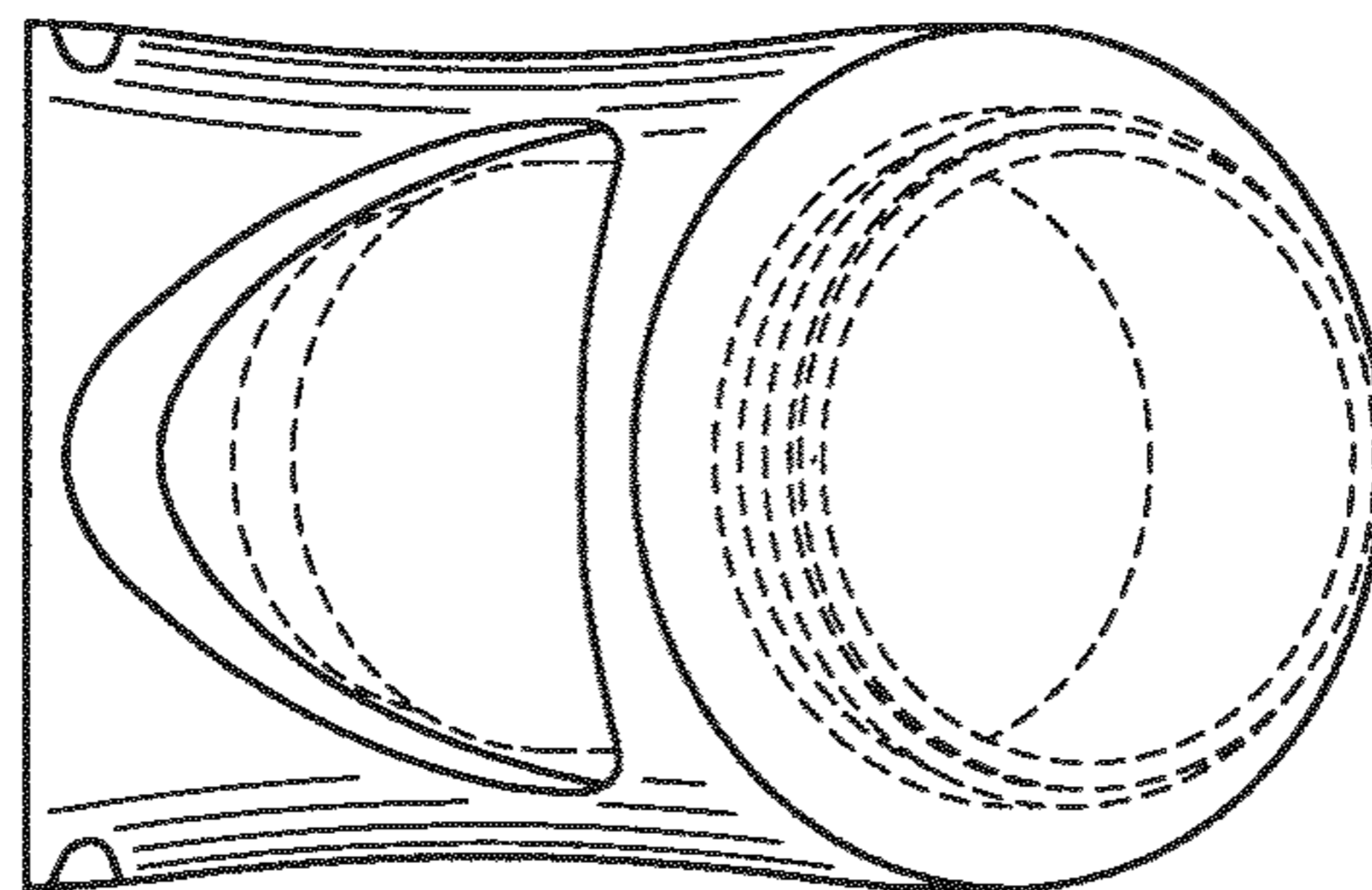


Fig. 14

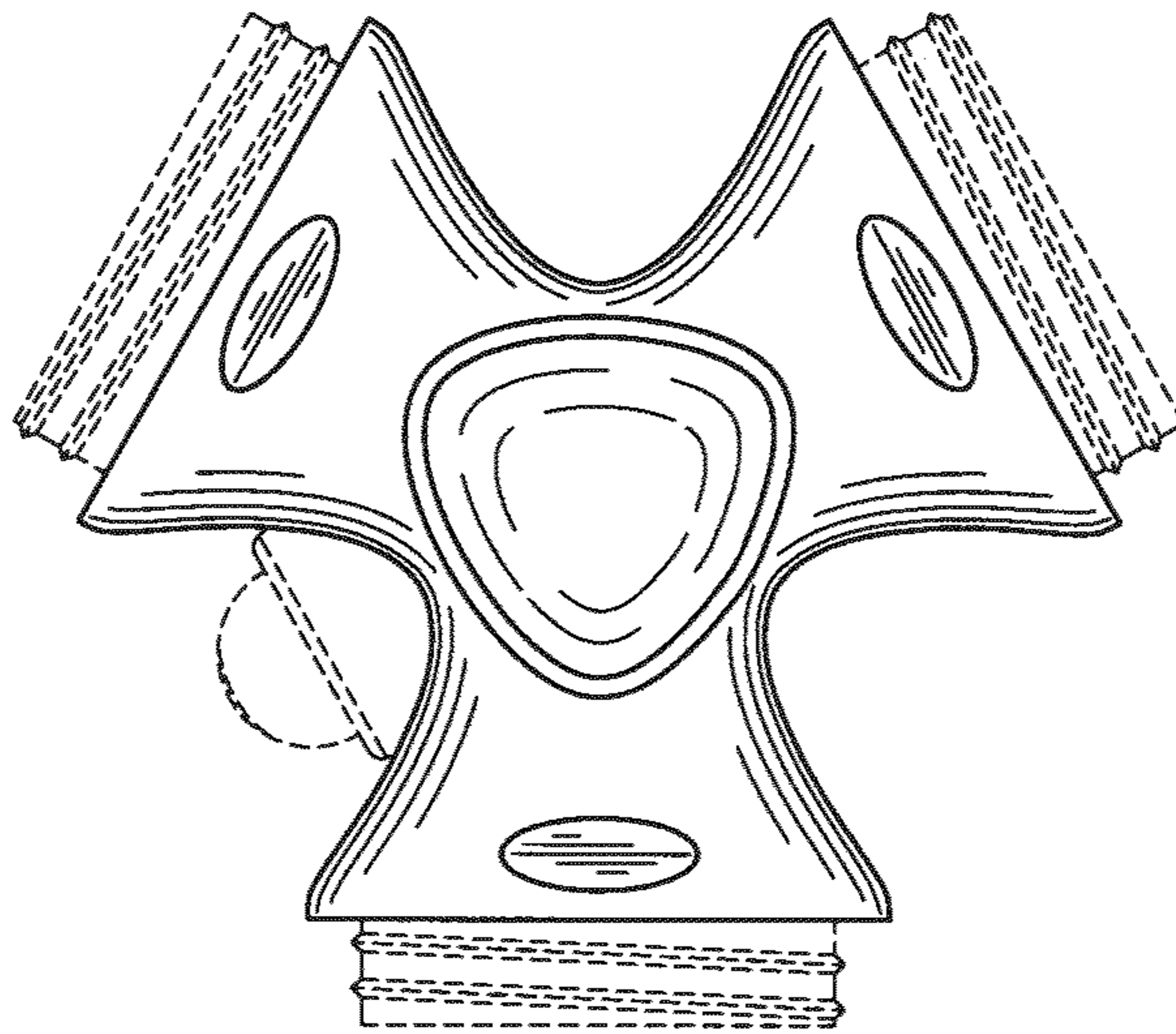




Fig. 15

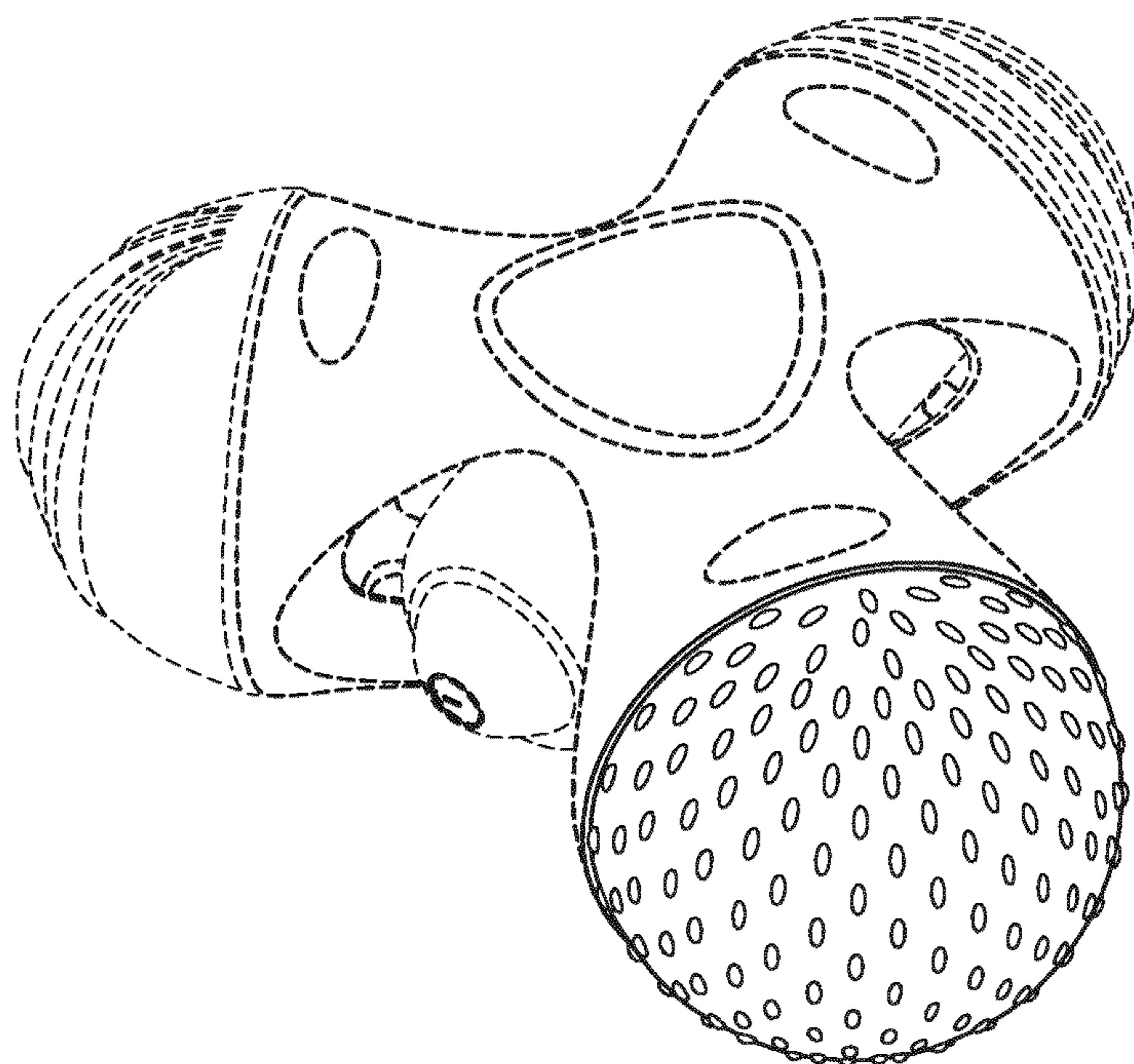


Fig. 16

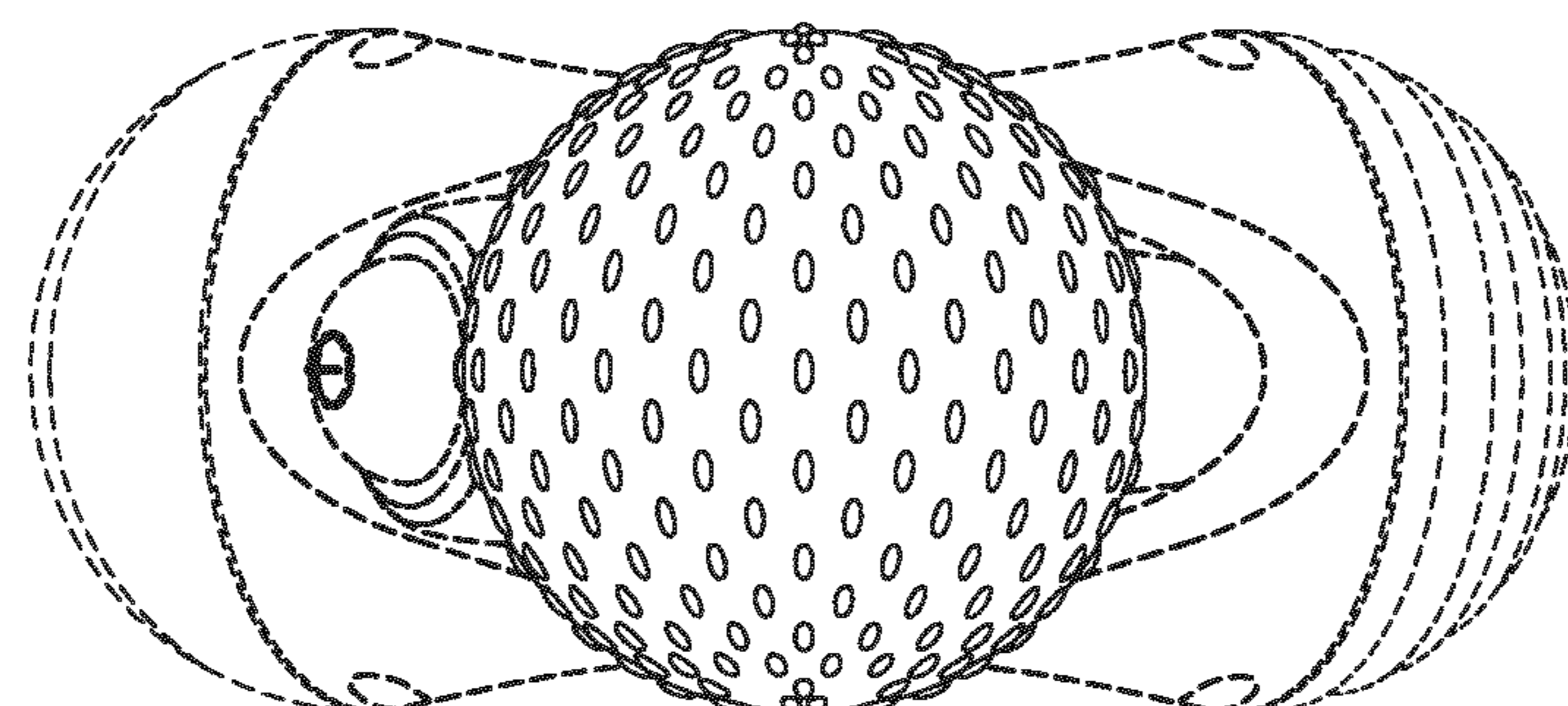


Fig. 17

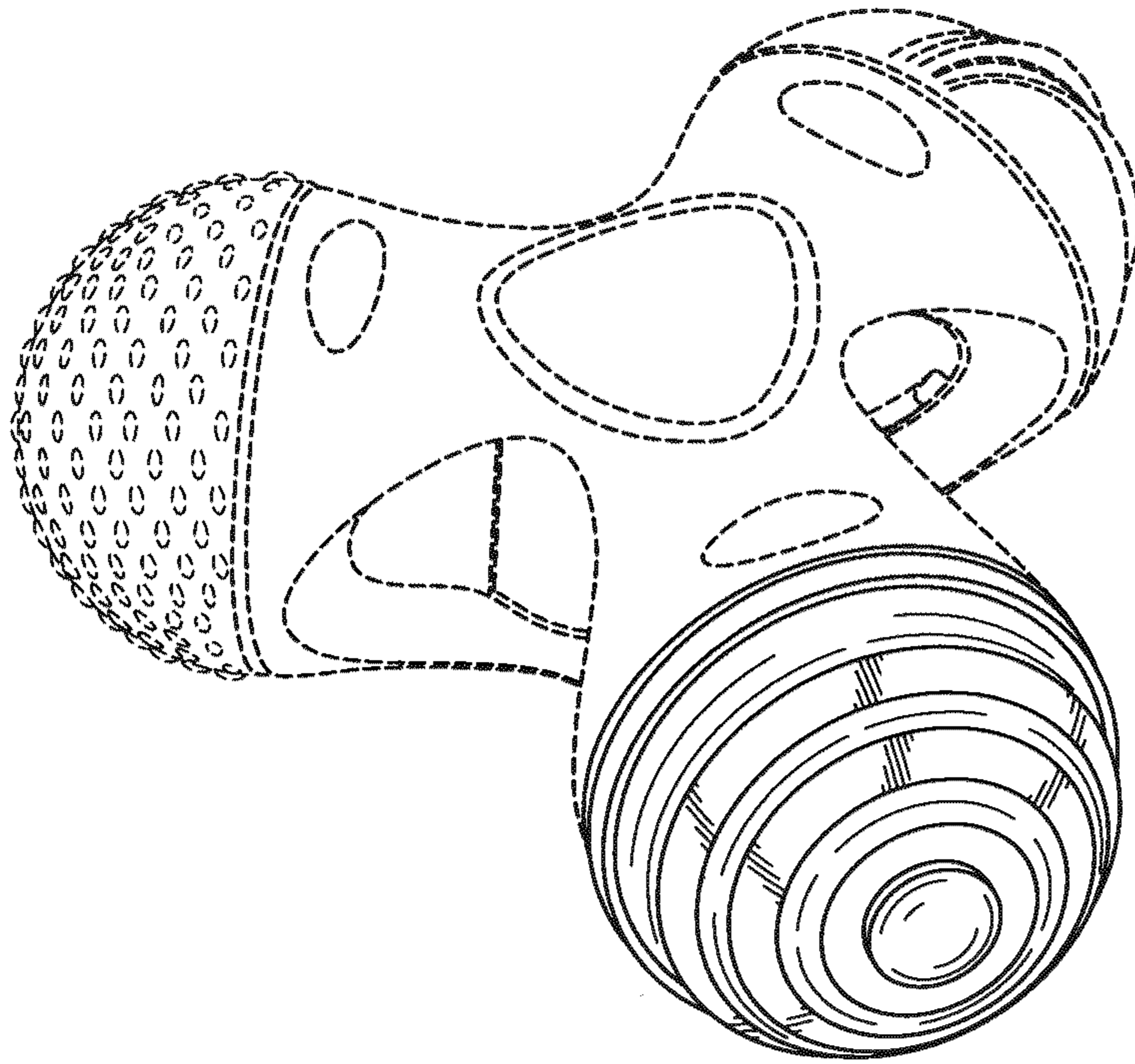


Fig. 18

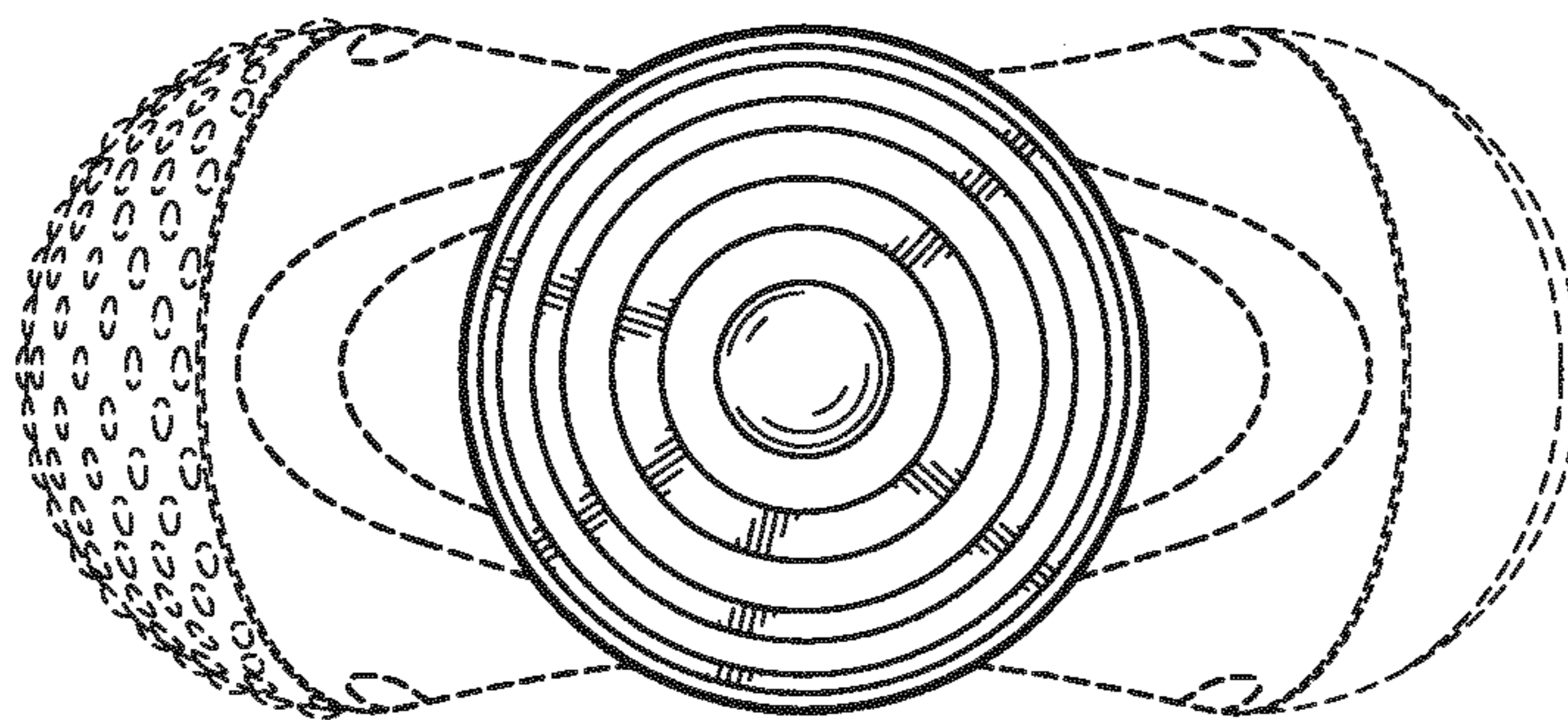


Fig. 19

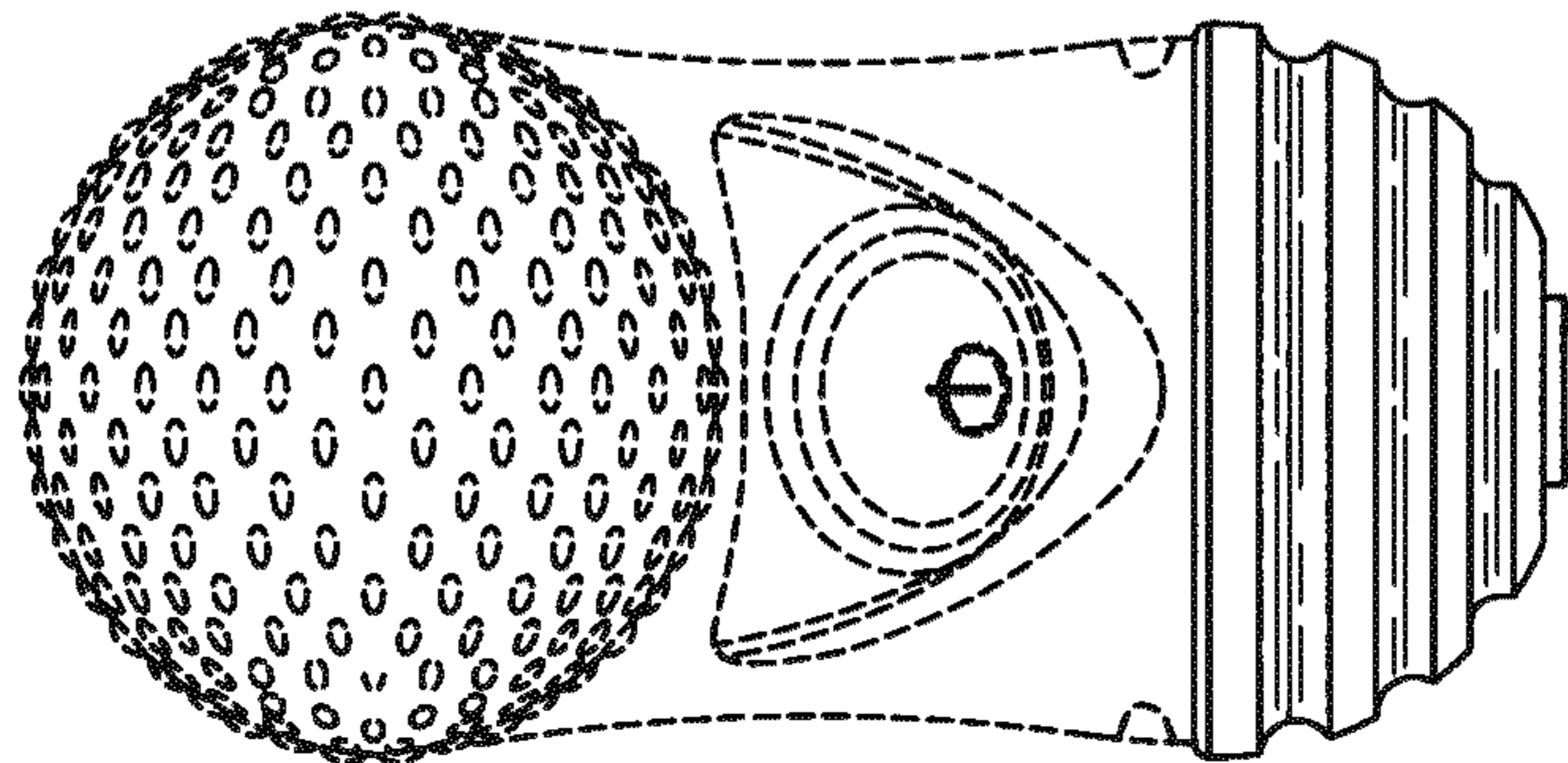




Fig. 20

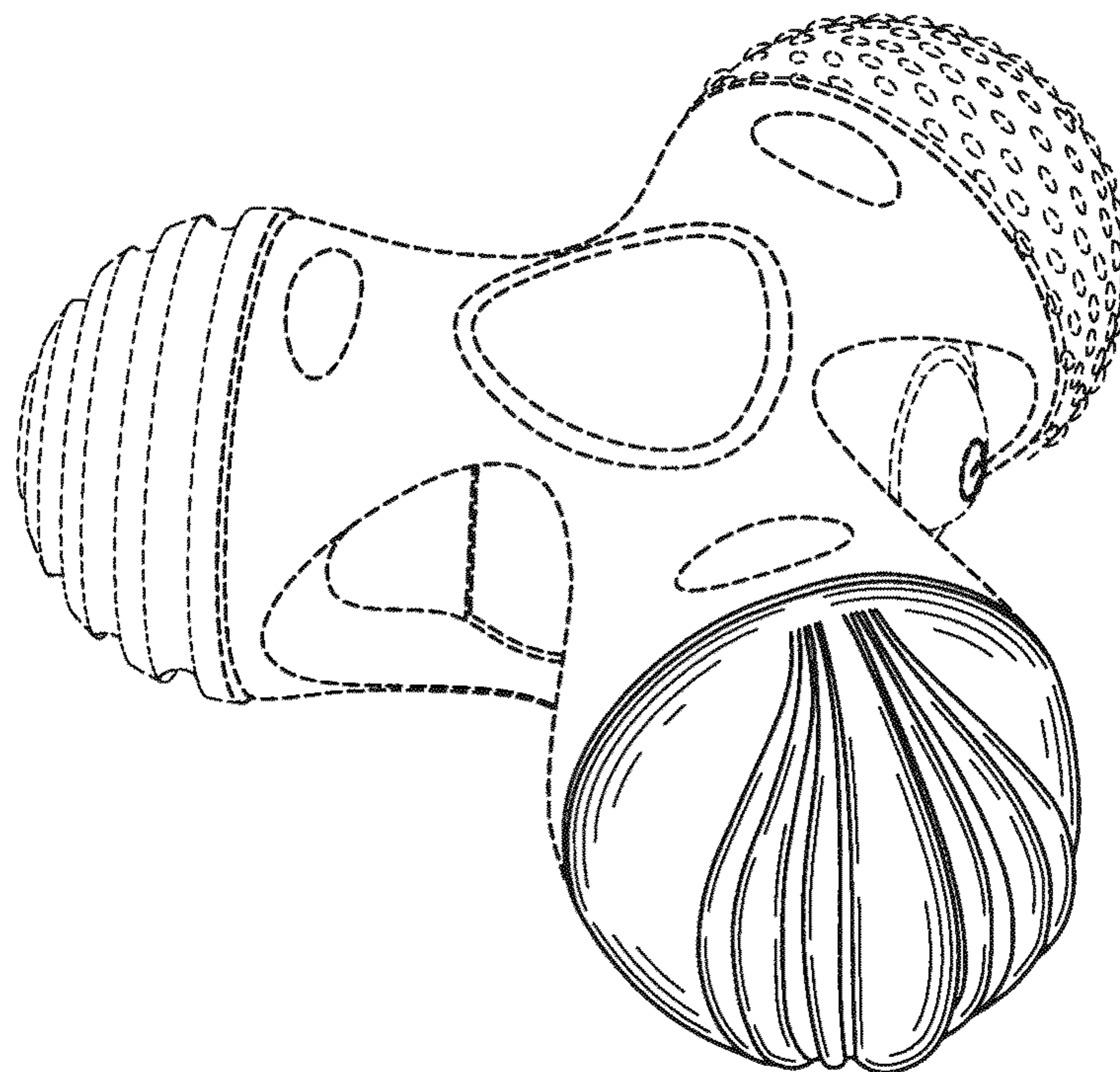


Fig. 21

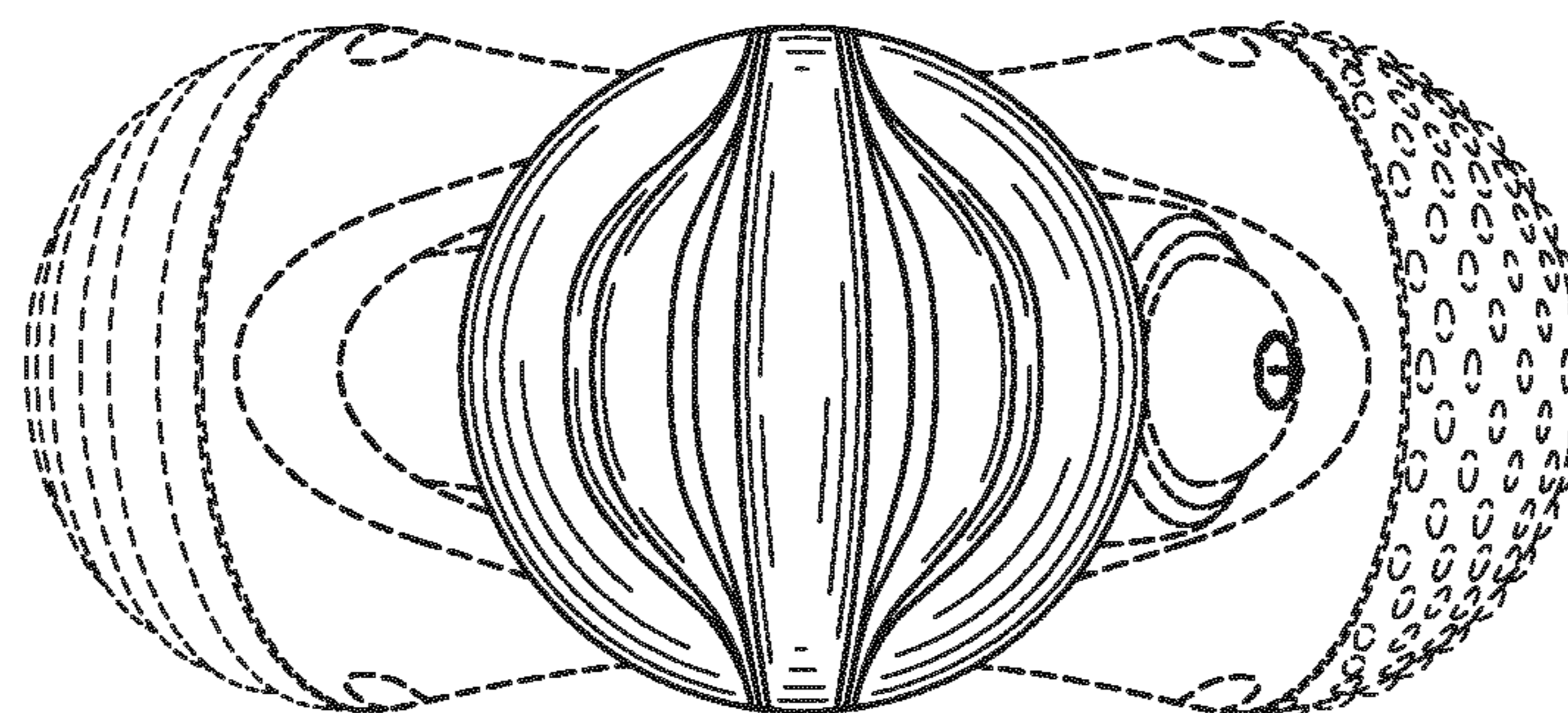


Fig. 22

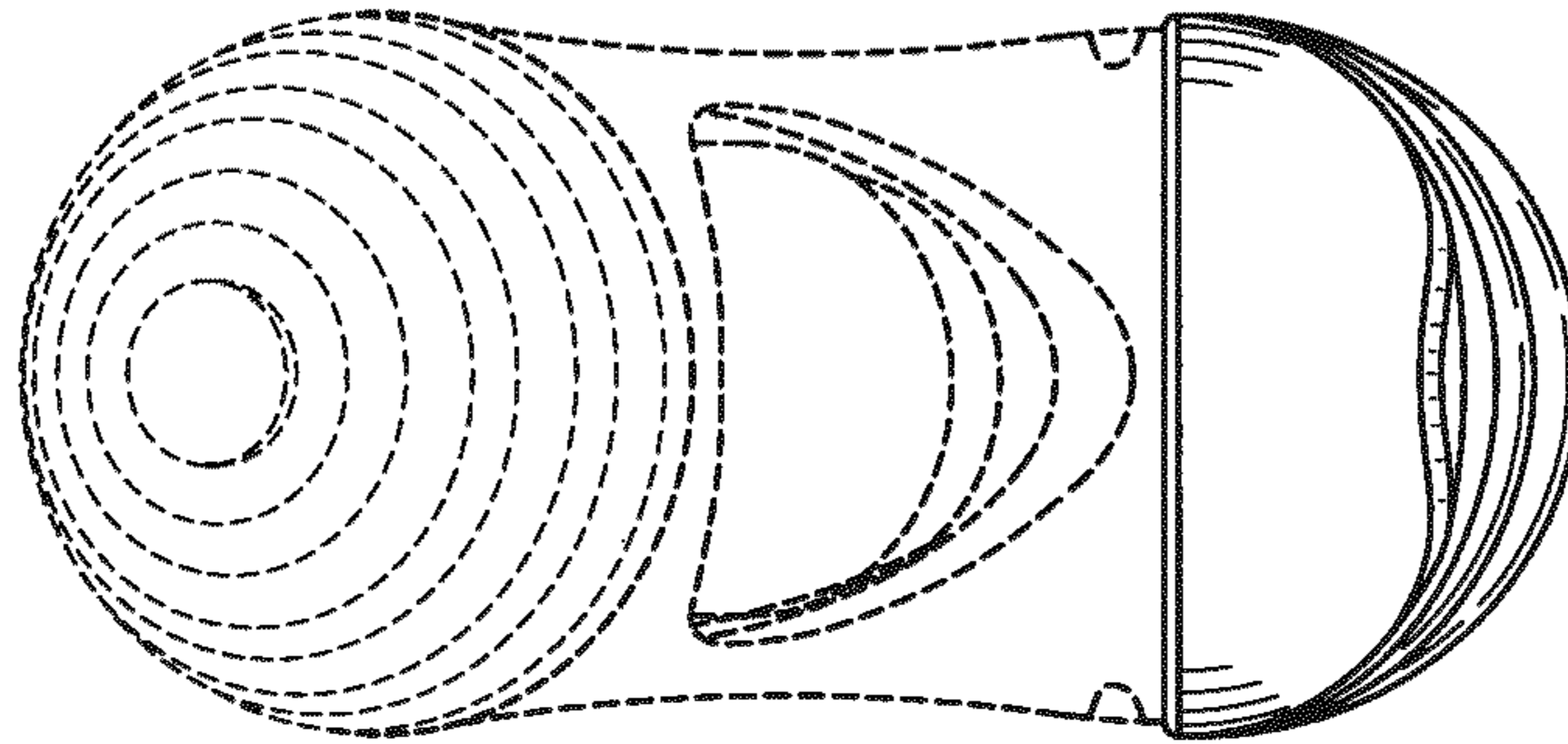


Fig. 23

