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(12) **United States Design Patent** (10) **Patent No.:** **US D887,561 S**  
**Cheng et al.** (45) **Date of Patent:** **\*\* Jun. 16, 2020**

(54) **CONVEX ARRAY ULTRASONIC PROBE**

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(\*\*) Term: **15 Years**

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*Assistant Examiner* — Omeed Agilee

(21) Appl. No.: **29/663,586**

(22) Filed: **Sep. 17, 2018**

(57) **CLAIM**

(30) **Foreign Application Priority Data**

The ornamental design for a convex array ultrasonic probe, as shown and described.

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**DESCRIPTION**

(51) **LOC (12) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/187**

(58) **Field of Classification Search**  
USPC ..... D24/133, 137, 138, 141, 158, 160, 164,  
D24/165, 167, 170, 186, 187, 200;  
D10/57, 60, 78, 80  
CPC ... A61B 5/0095; A61B 8/4444; A61B 8/4455;  
G01S 7/5208  
See application file for complete search history.

FIG. 1 is a perspective view of a convex array ultrasonic probe;  
FIG. 2 is a front view of the convex array ultrasonic probe;  
FIG. 3 is a rear view of the convex array ultrasonic probe;  
FIG. 4 is a left side view of the convex array ultrasonic probe;  
FIG. 5 is a right side view of the convex array ultrasonic probe;  
FIG. 6 is a top view of the convex array ultrasonic probe;  
FIG. 7 is a bottom view of the convex array ultrasonic probe;  
FIG. 8 is an enlarged perspective view of detail 8 circumscribed within FIG. 1;  
FIG. 9 is an enlarged view of detail 9 circumscribed within FIG. 7; and,  
FIG. 10 is an enlarged view of detail 10 circumscribed within FIG. 7.  
The broken lines in the drawings depict portions of the convex array ultrasonic probe that form no part of the claimed design.

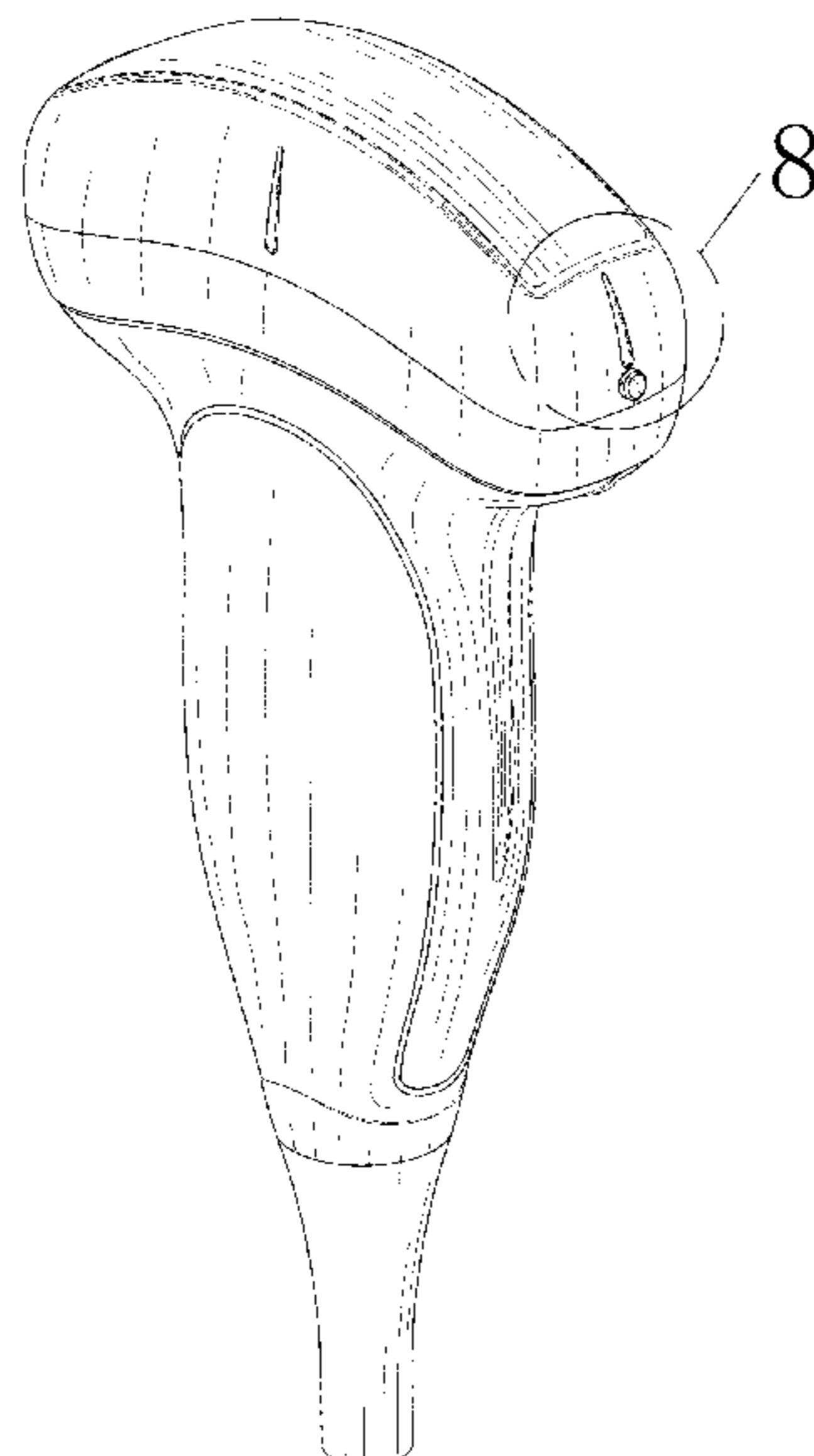
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**1 Claim, 10 Drawing Sheets**



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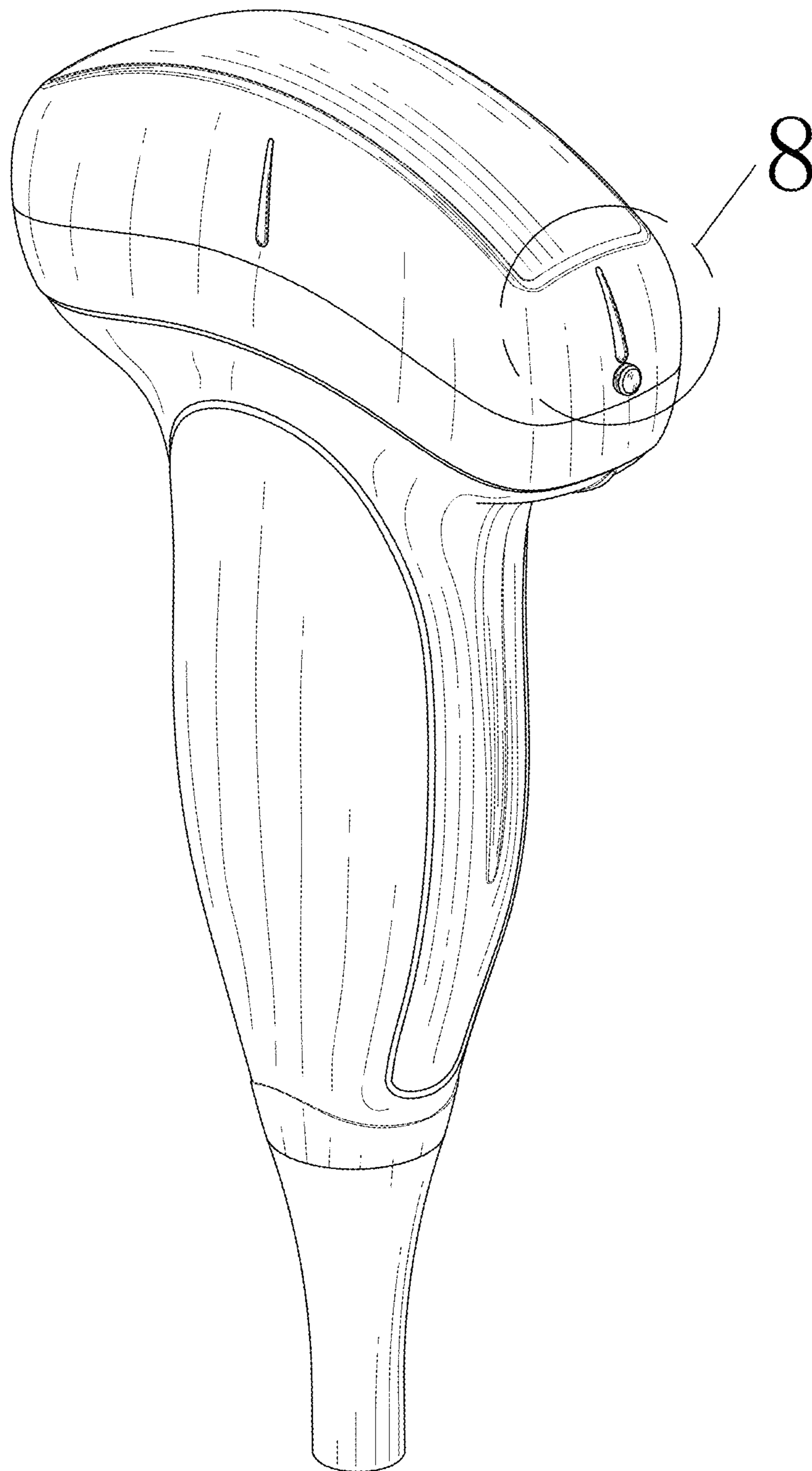


FIG. 1

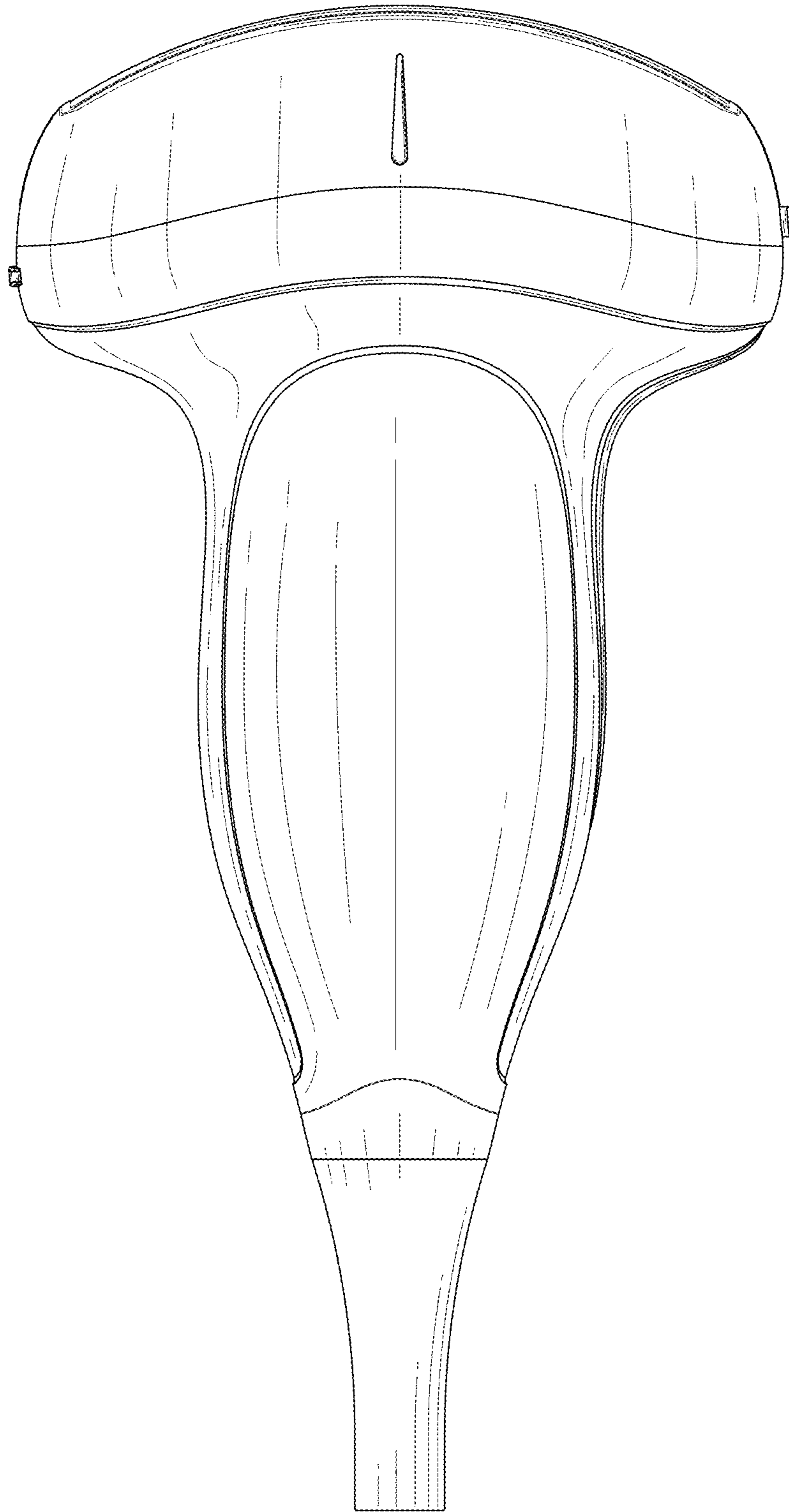


FIG. 2

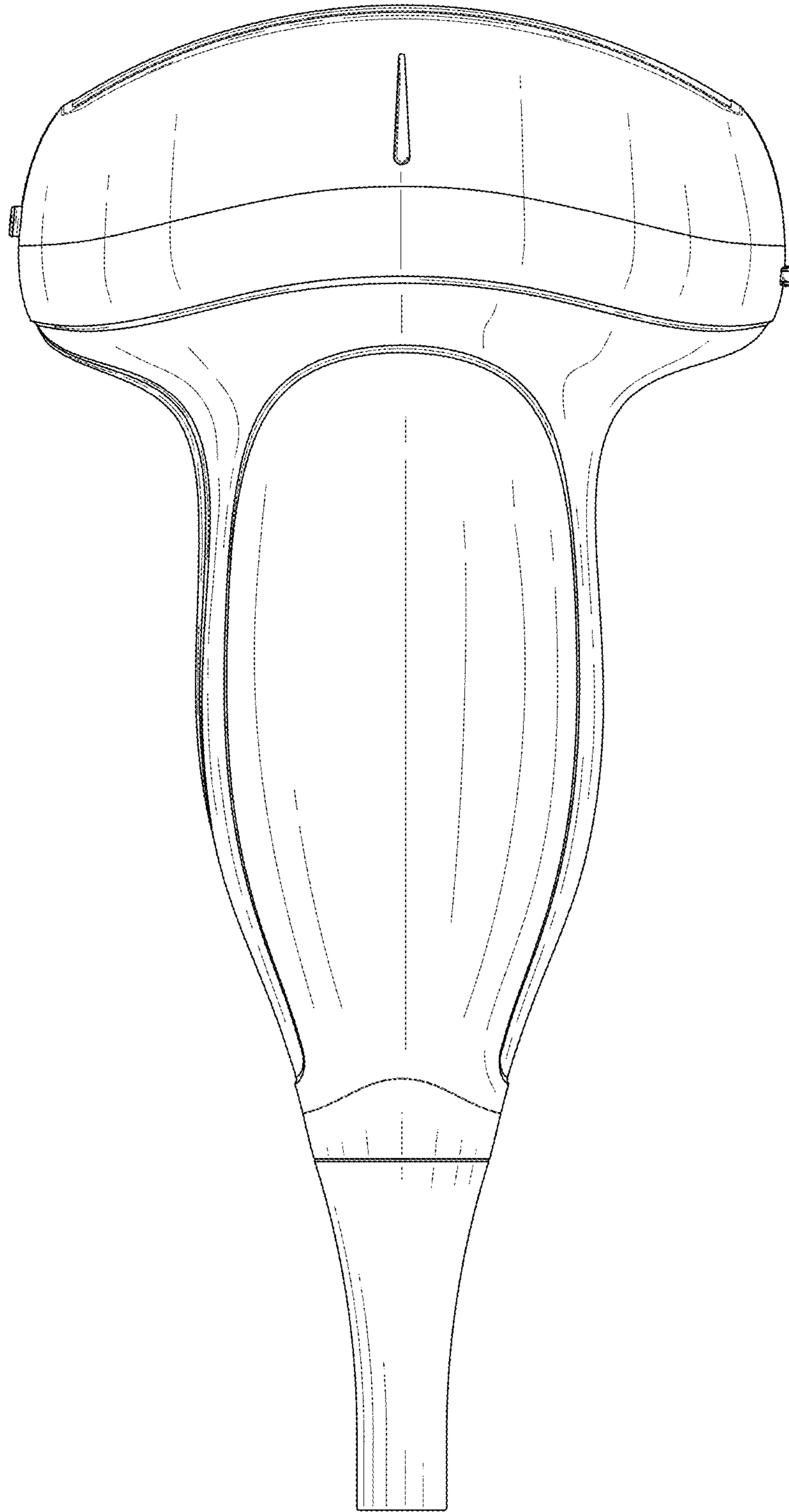


FIG. 3

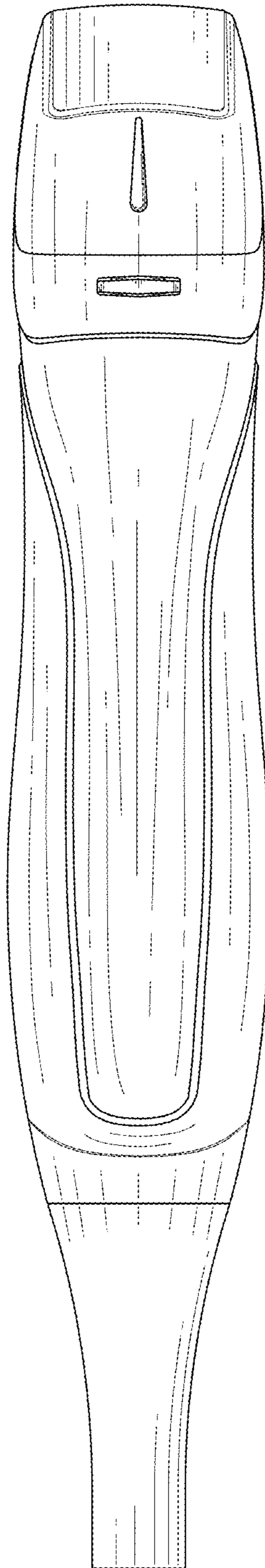


FIG. 4



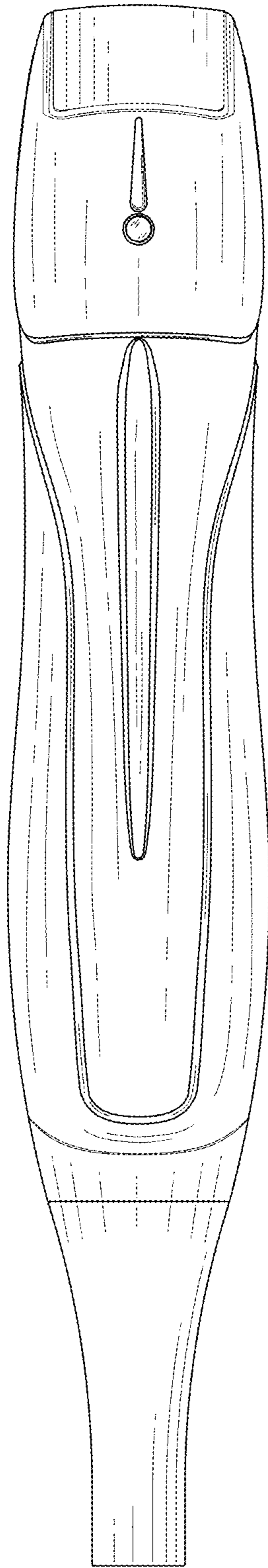


FIG. 5

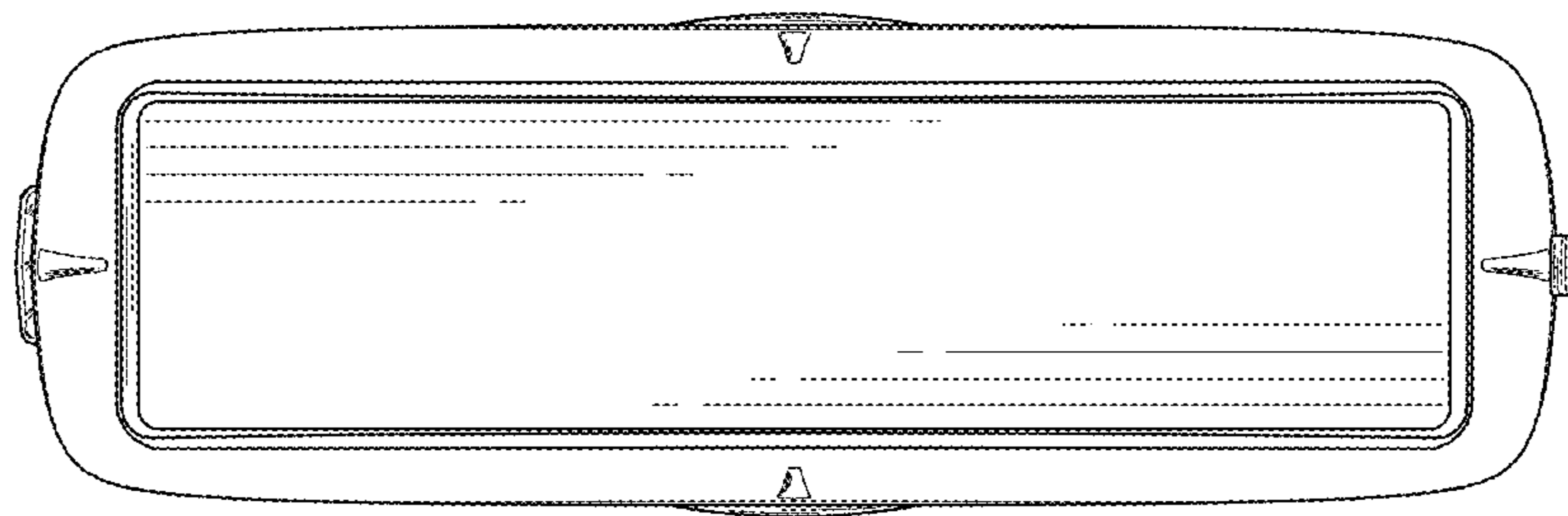


FIG. 6



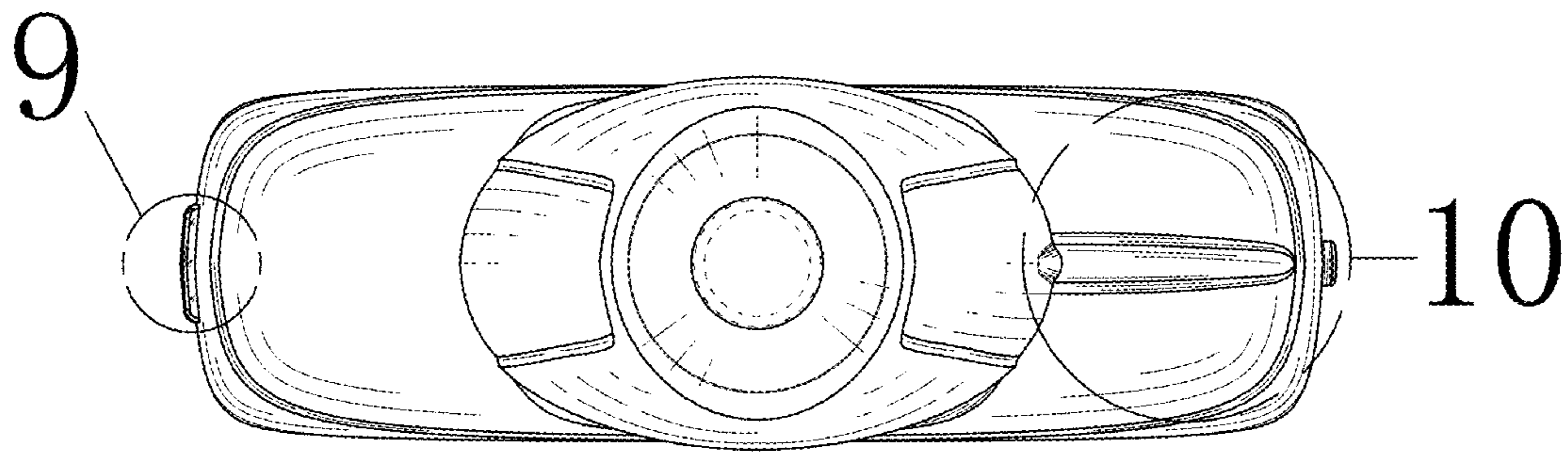


FIG. 7

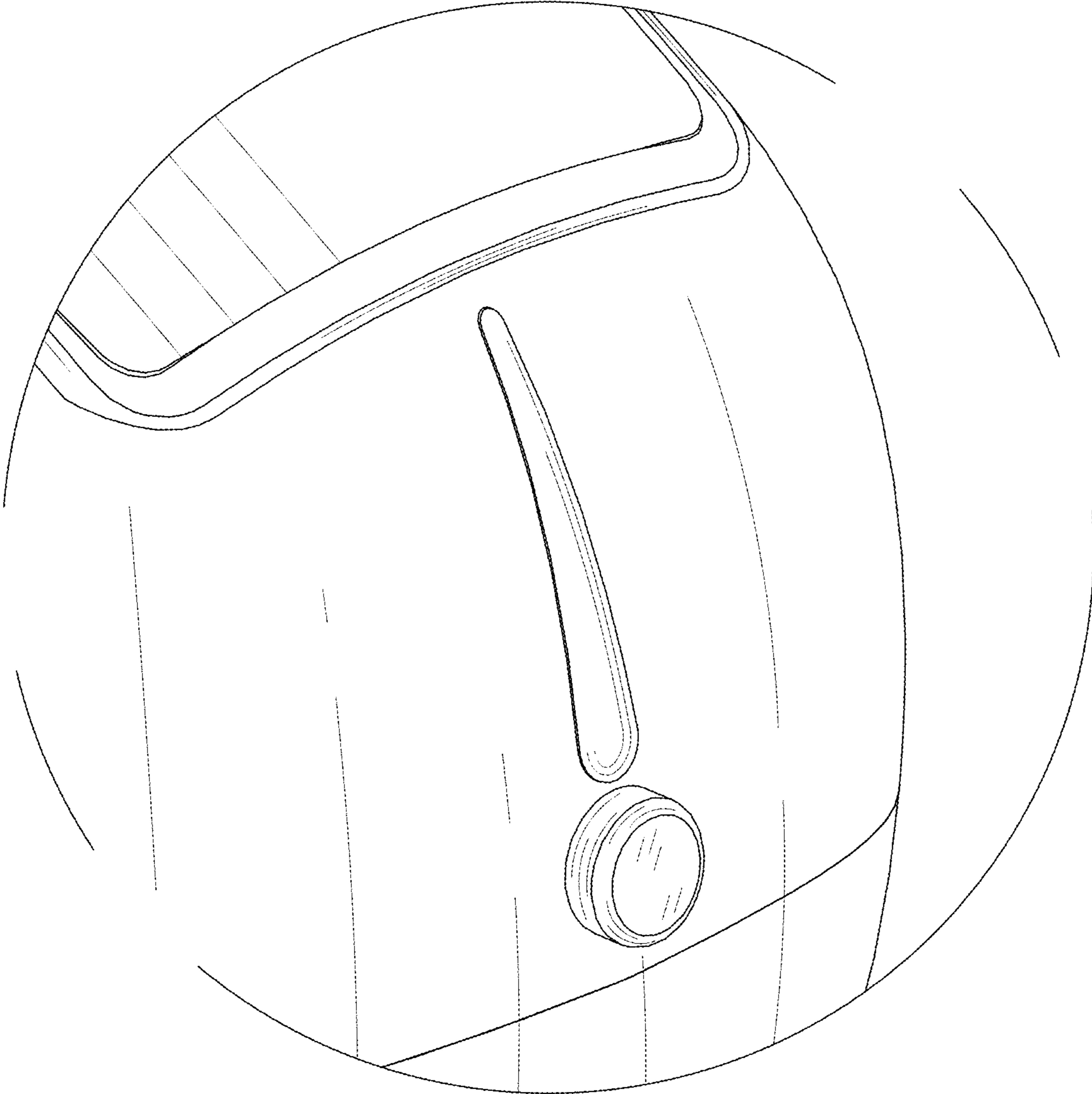


FIG. 8

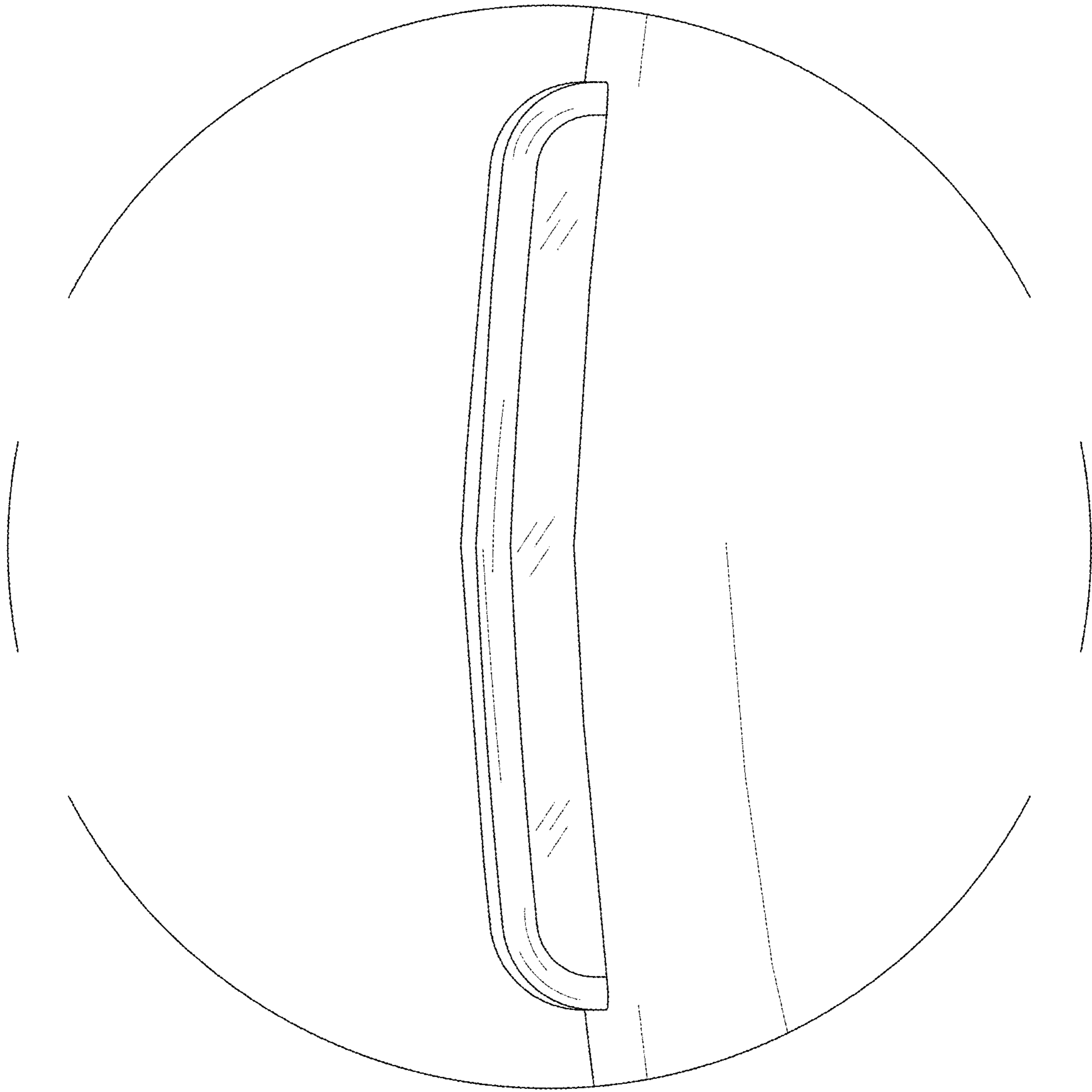


FIG. 9

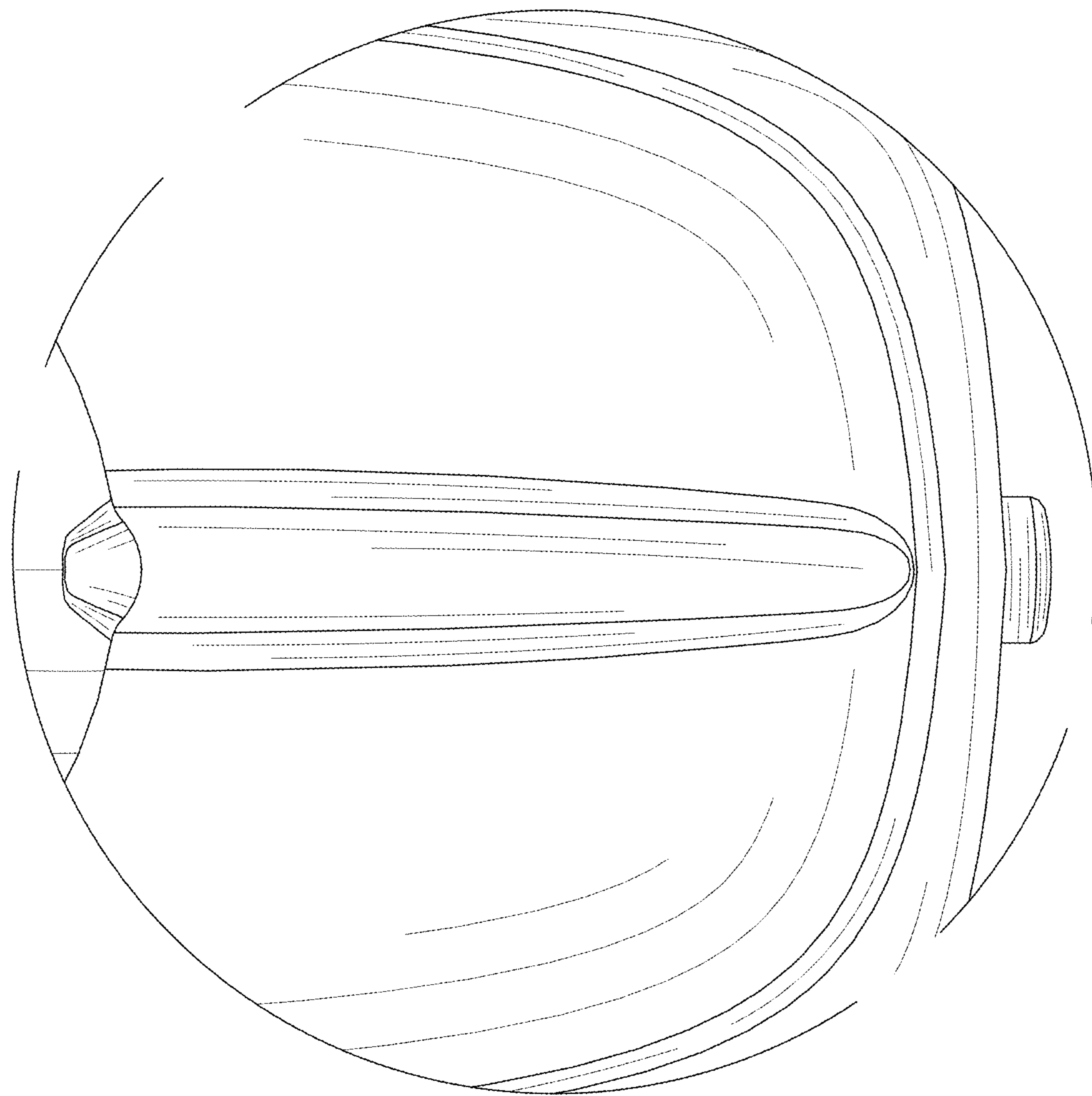


FIG. 10