



US00D785263S

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

(10) **Patent No.:** **US D785,263 S**  
(45) **Date of Patent:** **\*\* Apr. 25, 2017**

(54) **VACUUM CLEANER**

(71) Applicant: **Samsung Electronics Co., Ltd.**,  
Suwon-si (KR)

(72) Inventors: **Kyung-Tae Kim**, Seoul (KR);  
**Yeon-Young Nam**, Goyang-Si (KR)

(73) Assignee: **Samsung Electronics Co., Ltd.**,  
Suwon-si (KR)

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

(21) Appl. No.: **29/547,913**

(22) Filed: **Dec. 9, 2015**

(30) **Foreign Application Priority Data**

Jun. 18, 2015 (KR) ..... 30-2015-0030822

(51) **LOC (10) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/31**

(58) **Field of Classification Search**  
USPC ..... D32/21-23, 31, 34  
CPC ..... G06N 3/008; A47L 9/2857; A47L 9/2842;  
A47L 9/2852; A47L 9/00; A47L 9/325;  
A47L 5/36-5/367; A47L 7/0019; A47L  
7/0004; A47L 11/34; A47L 11/29; A47L  
11/30; E04H 4/1654

See application file for complete search history.

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*Primary Examiner* — Ruth McInroy

(74) *Attorney, Agent, or Firm* — NSIP Law

(57) **CLAIM**

We claim the ornamental design for a vacuum cleaner, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a vacuum cleaner showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left-side view thereof;  
FIG. 5 is a right-side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is another front perspective view in which the claimed portion of the vacuum cleaner is shown in a different position.

The broken lines in the figures show portions of the vacuum cleaner which form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

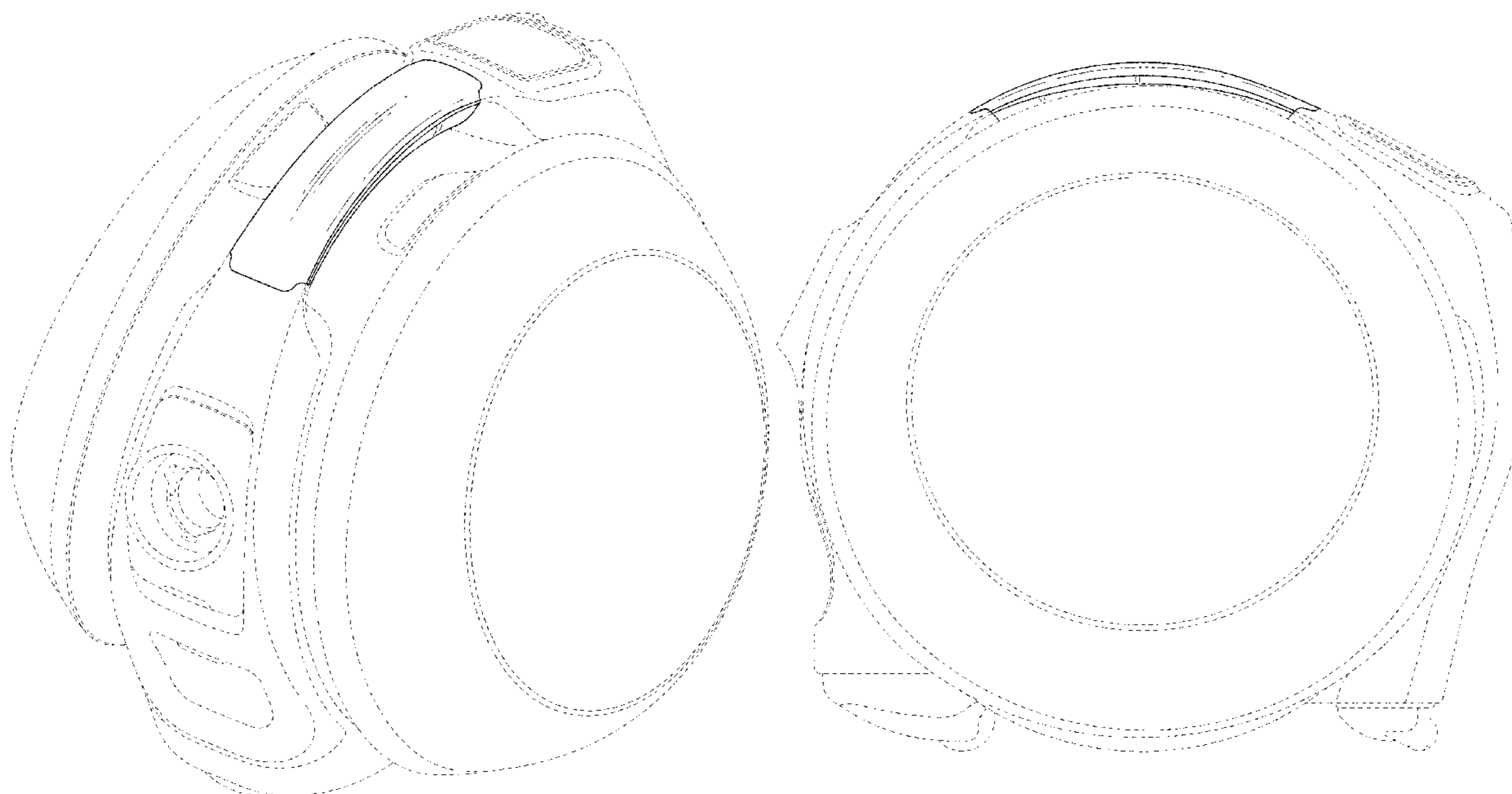


FIG. 1

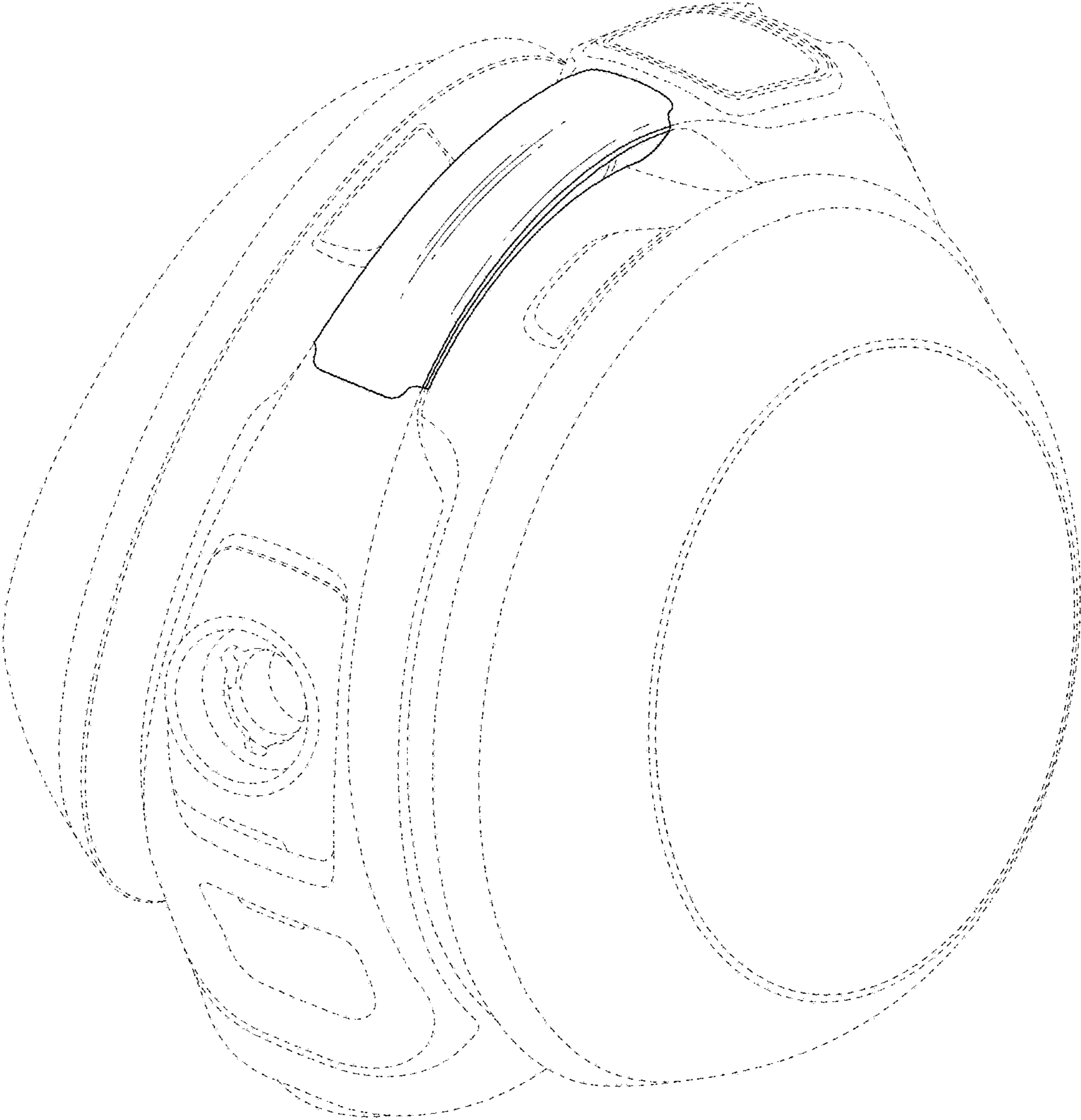


FIG. 2

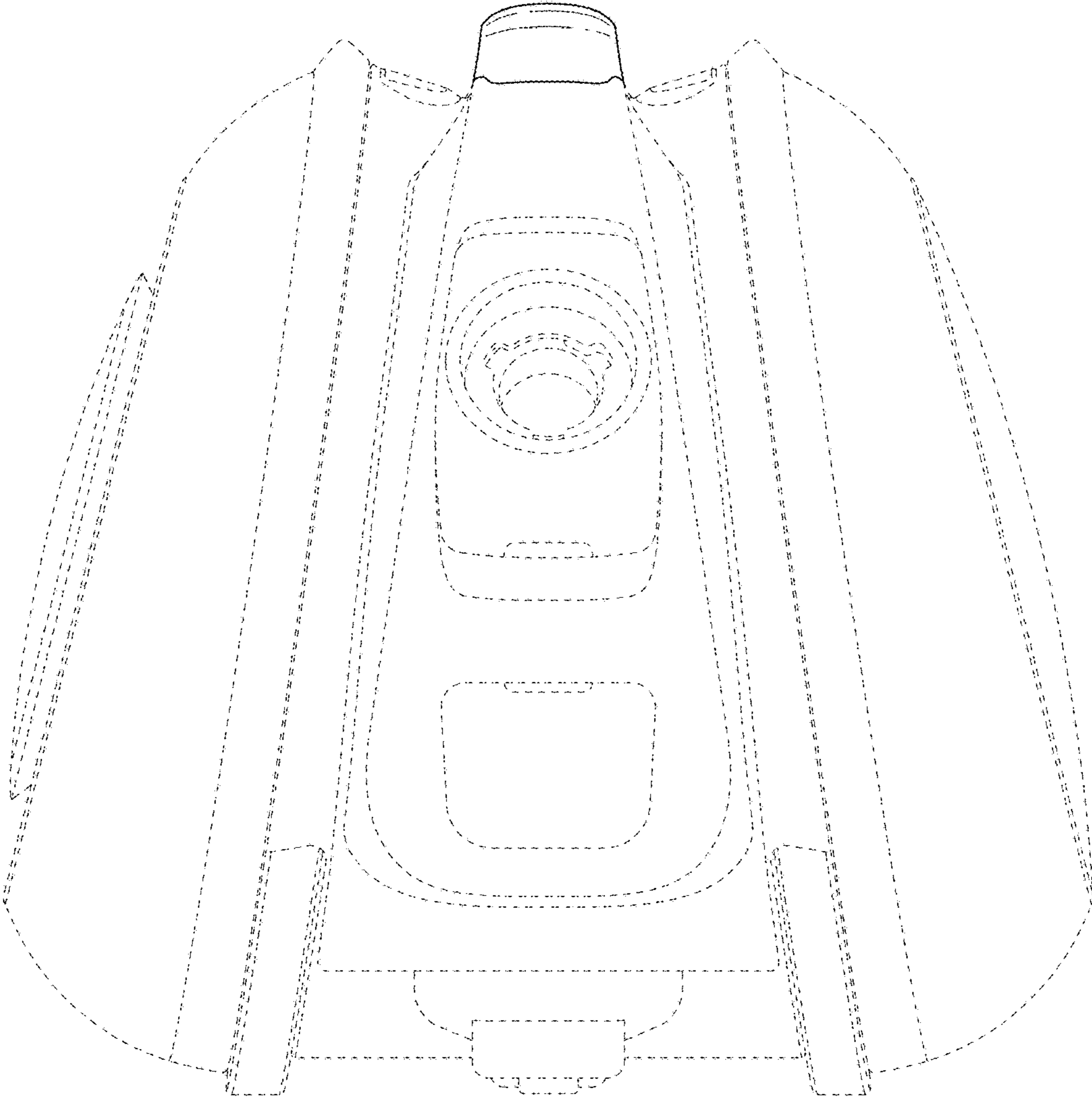


FIG. 3

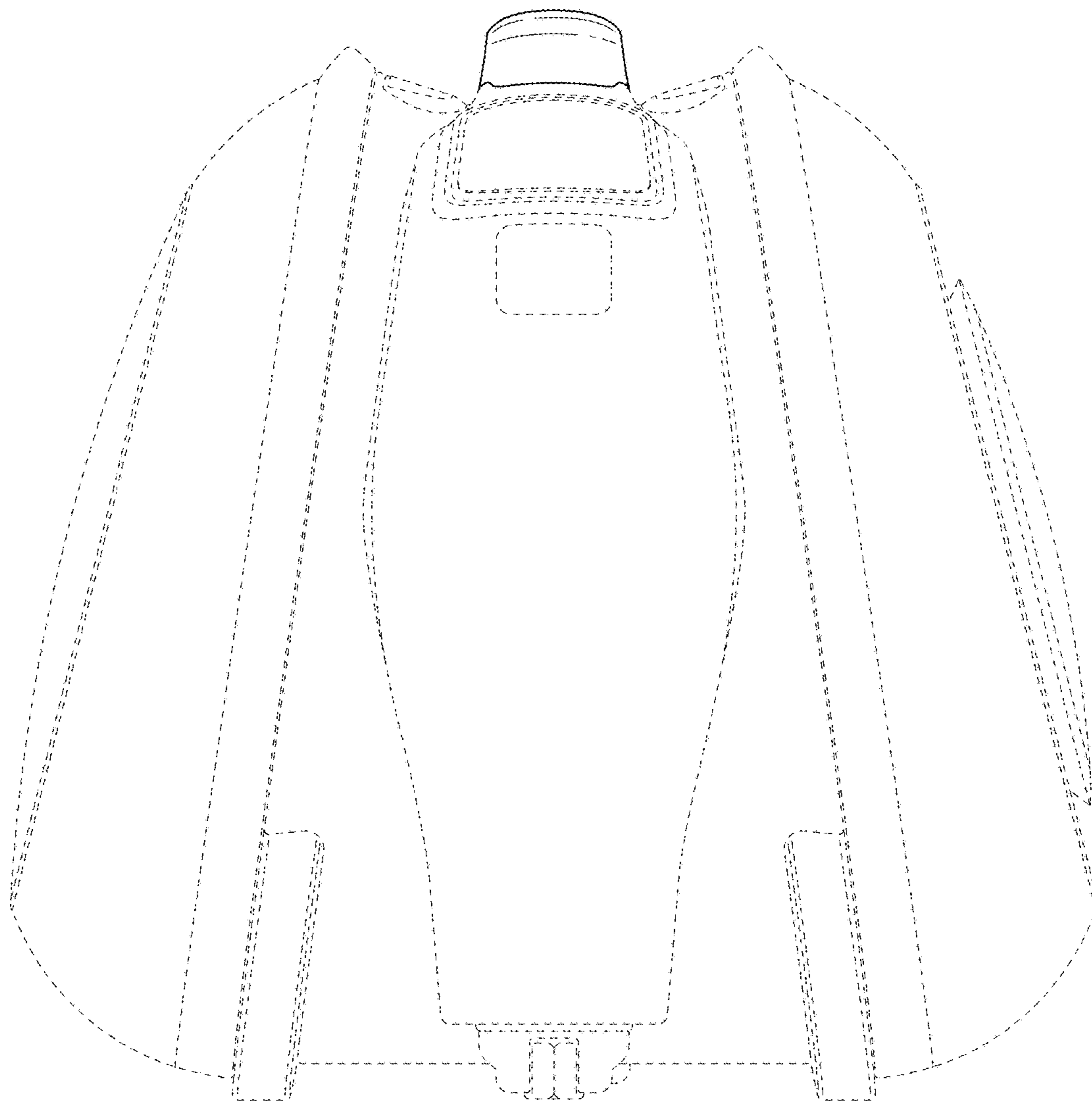


FIG. 4

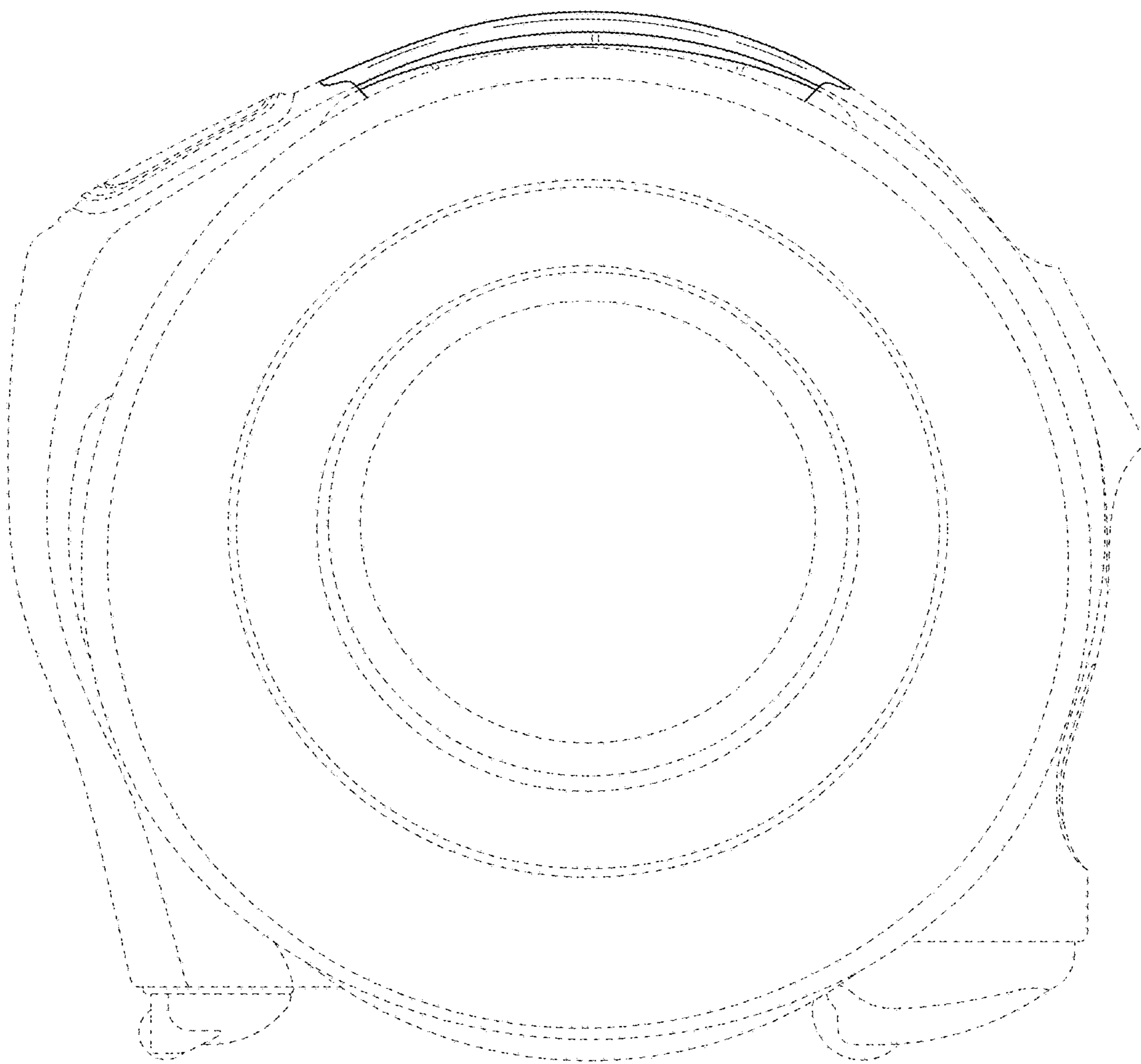


FIG. 5

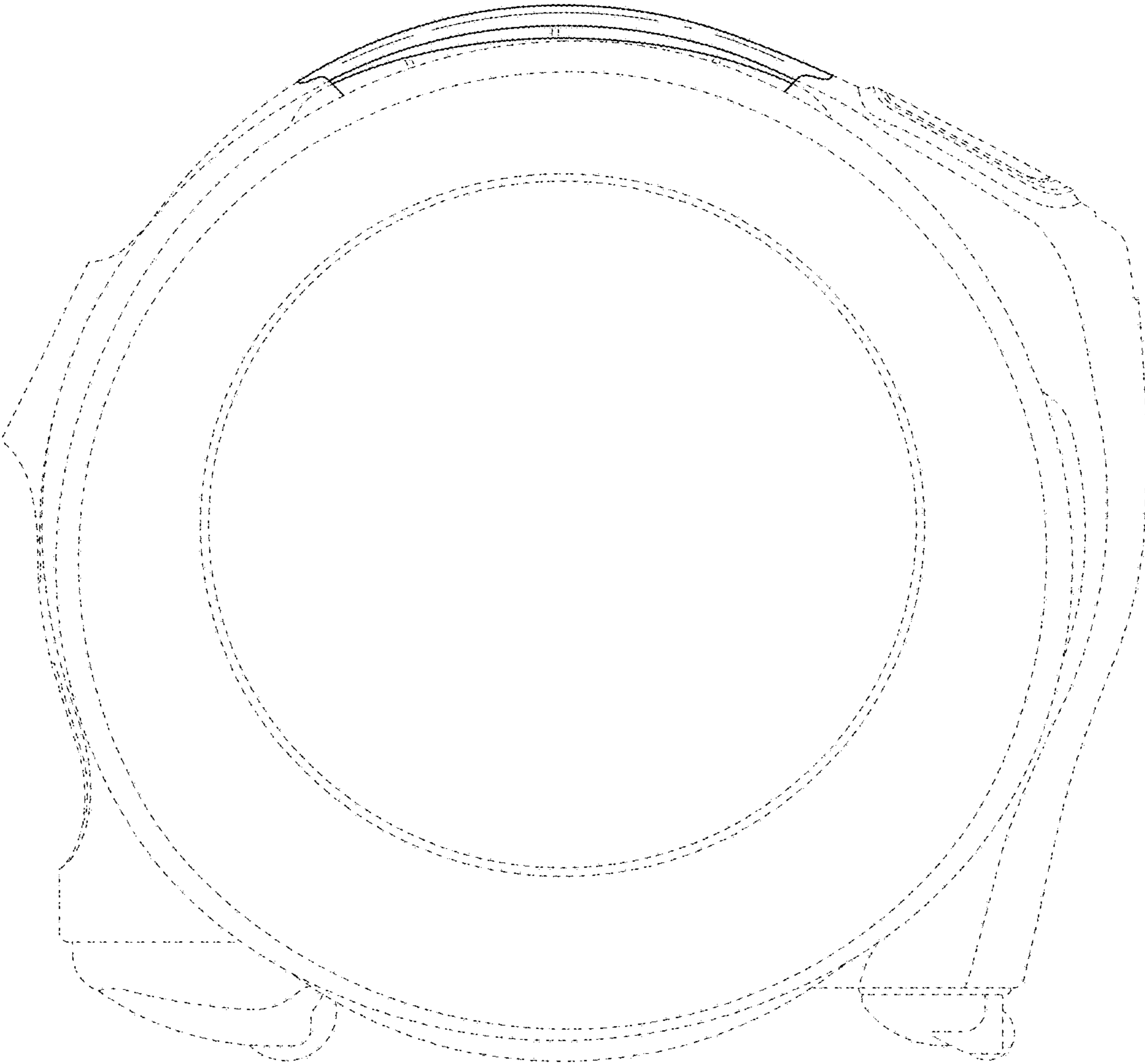


FIG. 6

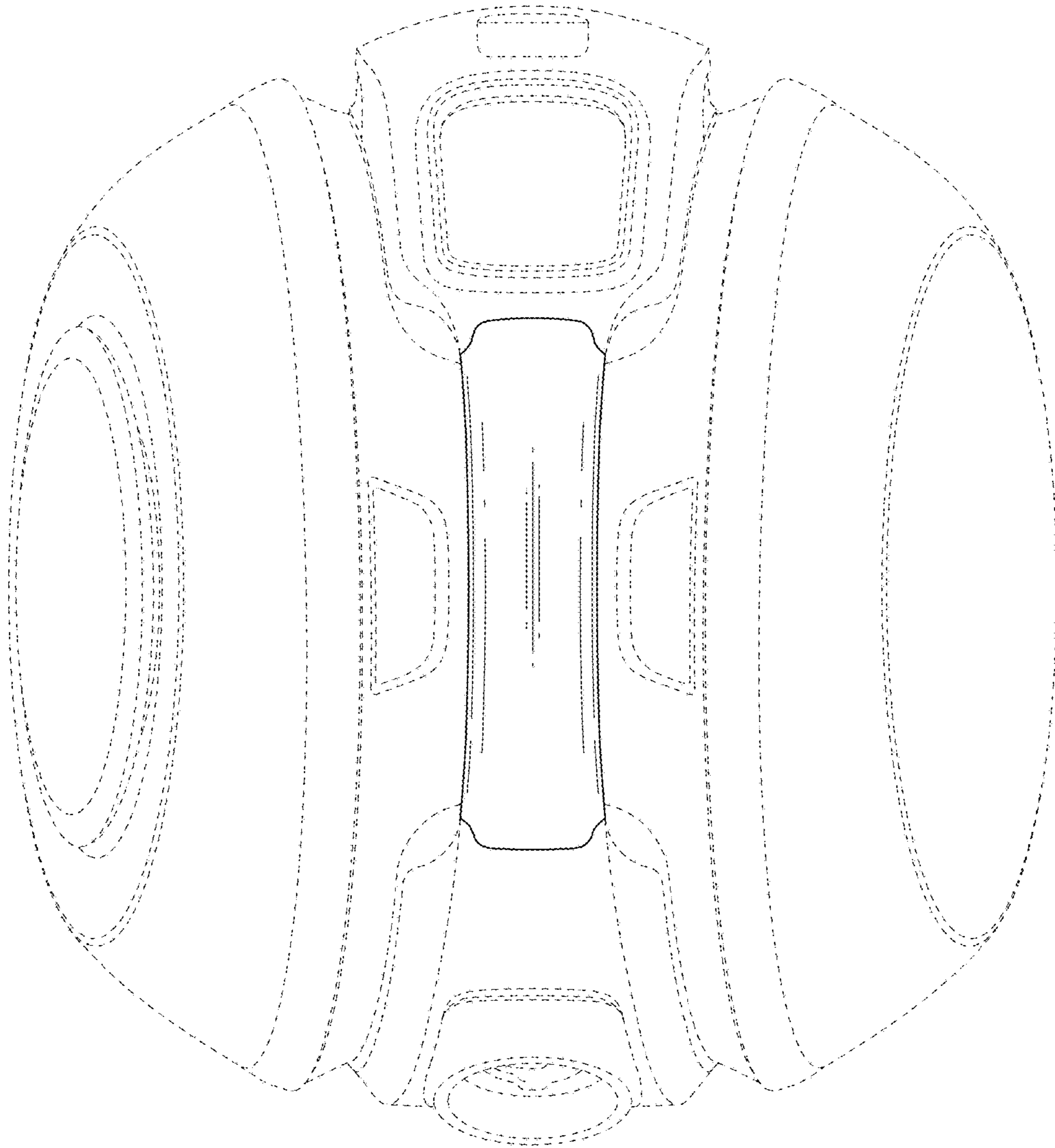


FIG. 7

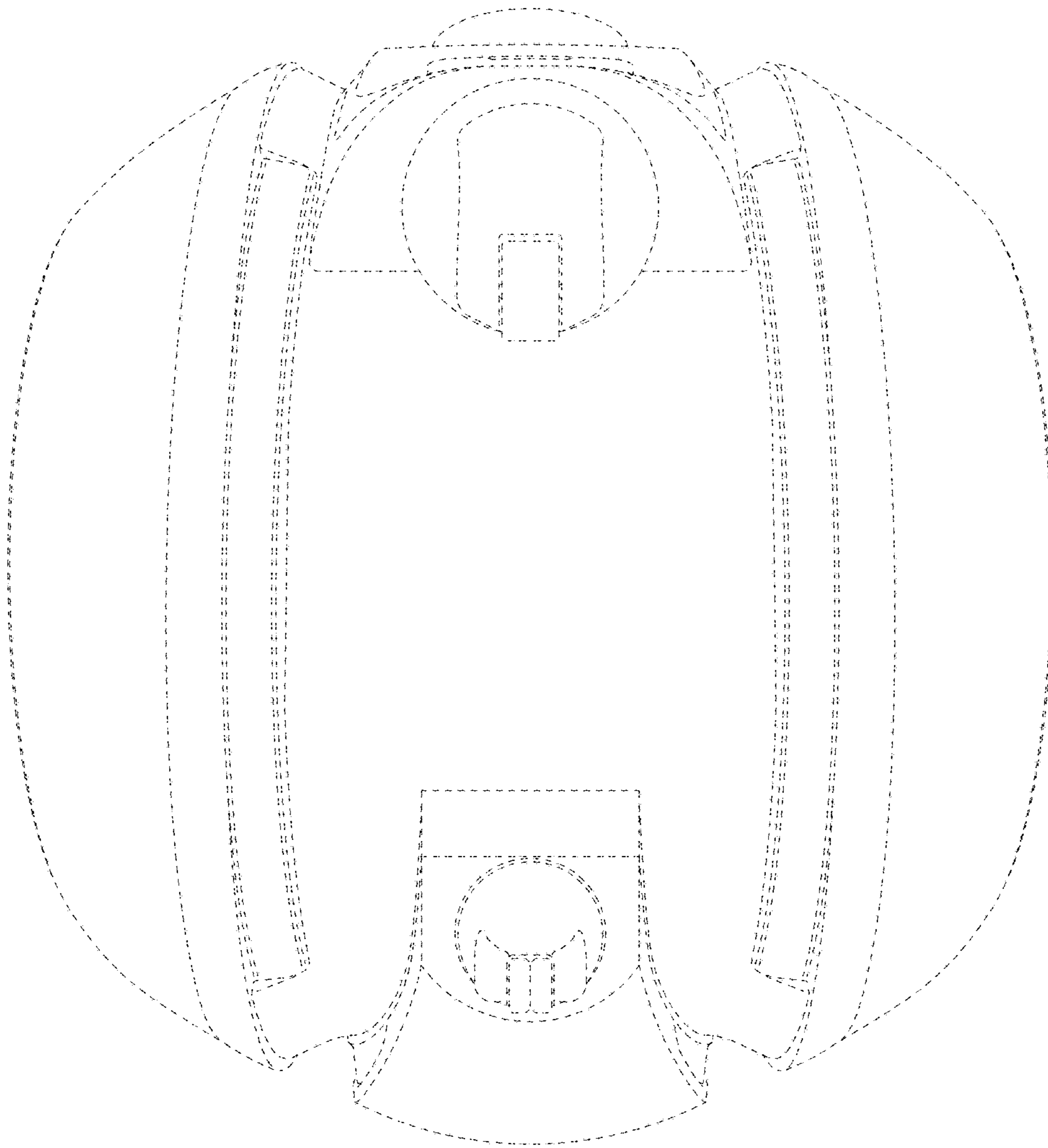




FIG. 8

