



US00D819282S

(12) **United States Design Patent** (10) **Patent No.:** **US D819,282 S**
Kim et al. (45) **Date of Patent:** **** May 29, 2018**

(54) **VACUUM CLEANER**

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

(72) Inventors: **Yeon-Su Kim**, Seoul (KR);
Seung-Wook Suh, Goyang-si (KR);
Jae-Ho Jang, Seoul (KR); **Jae-Won Choi**, Seoul (KR)

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

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

(21) Appl. No.: **29/599,593**

(22) Filed: **Apr. 5, 2017**

(30) **Foreign Application Priority Data**

Dec. 23, 2016 (KR) 30-2016-0062889

(51) **LOC (11) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/22**

(58) **Field of Classification Search**
USPC D32/31–34, 22

(Continued)

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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 elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left-side elevational view thereof;

FIG. 5 is a right-side elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a rear perspective view thereof;

FIG. 9 is another left-side view thereof showing the handle rotated from the closed position shown in FIG. 4;

FIG. 10 is an enlarged view of the encircled portion in FIG. 1;

FIG. 11 is an enlarged view of the encircled portion in FIG. 2;

FIG. 12 is an enlarged view of the encircled portion in FIG. 2;

FIG. 13 is an enlarged view of the encircled portion in FIG. 3;

FIG. 14 is an enlarged view of the encircled portion in FIG. 3;

FIG. 15 is an enlarged view of the encircled portion in FIG. 4;

FIG. 16 is an enlarged view of the encircled portion in FIG. 6;

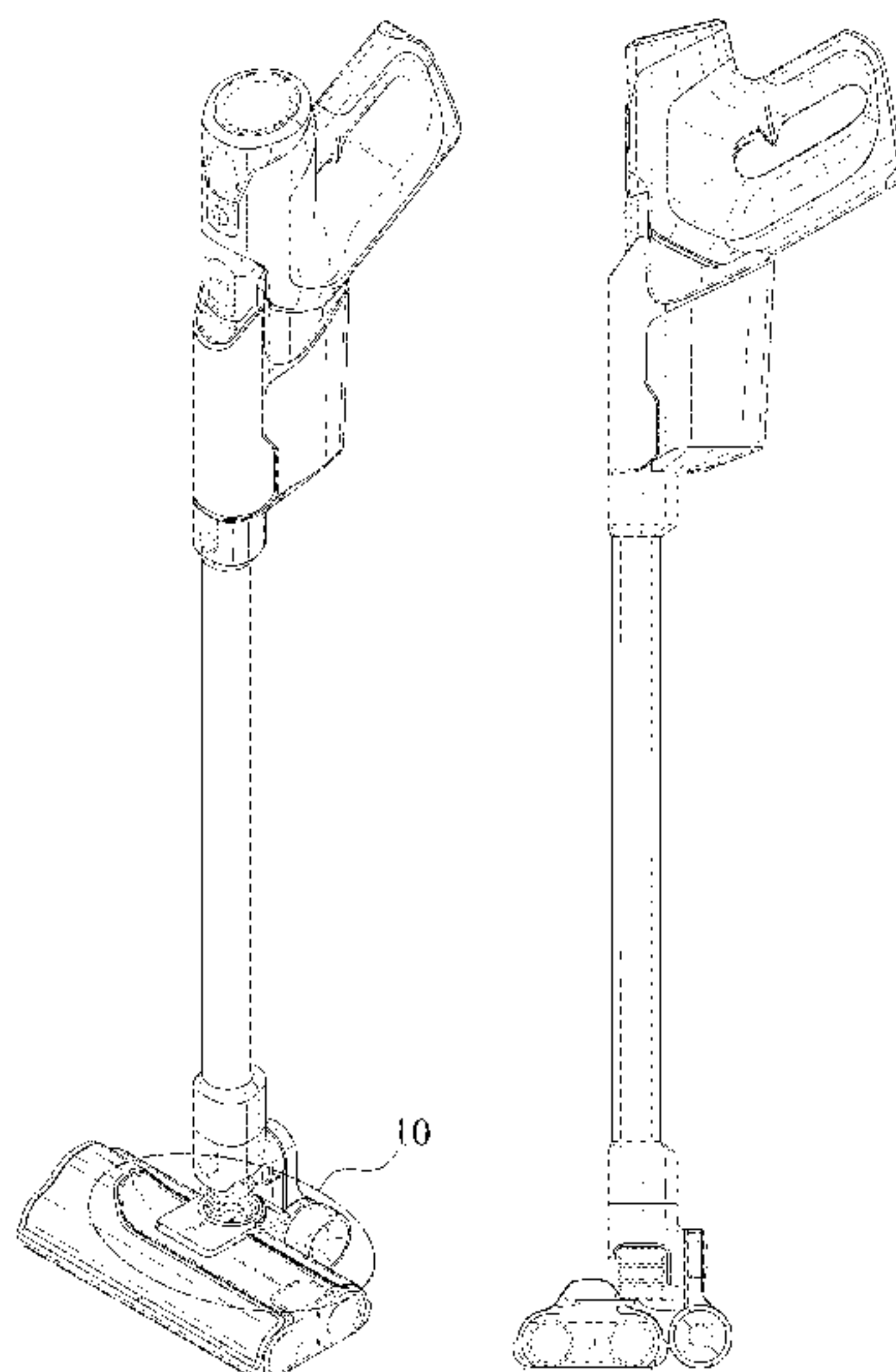
FIG. 17 is an enlarged view of the encircled portion in FIG. 7; and,

FIG. 18 is an enlarged view of the encircled portion in FIG. 8.

The broken lines in the figures depict environmental subject matter and form no part of the claimed design.

The dot-dash broken lines encircling portions of the claimed design that are illustrated in enlargements form no part of the claimed design.

1 Claim, 18 Drawing Sheets



(58) **Field of Classification Search**

CPC A47L 5/24; A47L 5/38; A47L 5/28; A47L
 11/4044; A47L 11/34; A47L 7/0038;
 A47L 9/325; A47L 9/02; A47L 1/08;
 D01H 11/006; B60S 1/64; A46B 11/001;
 A46B 11/002; B08B 3/026; B08B 3/028
 See application file for complete search history.

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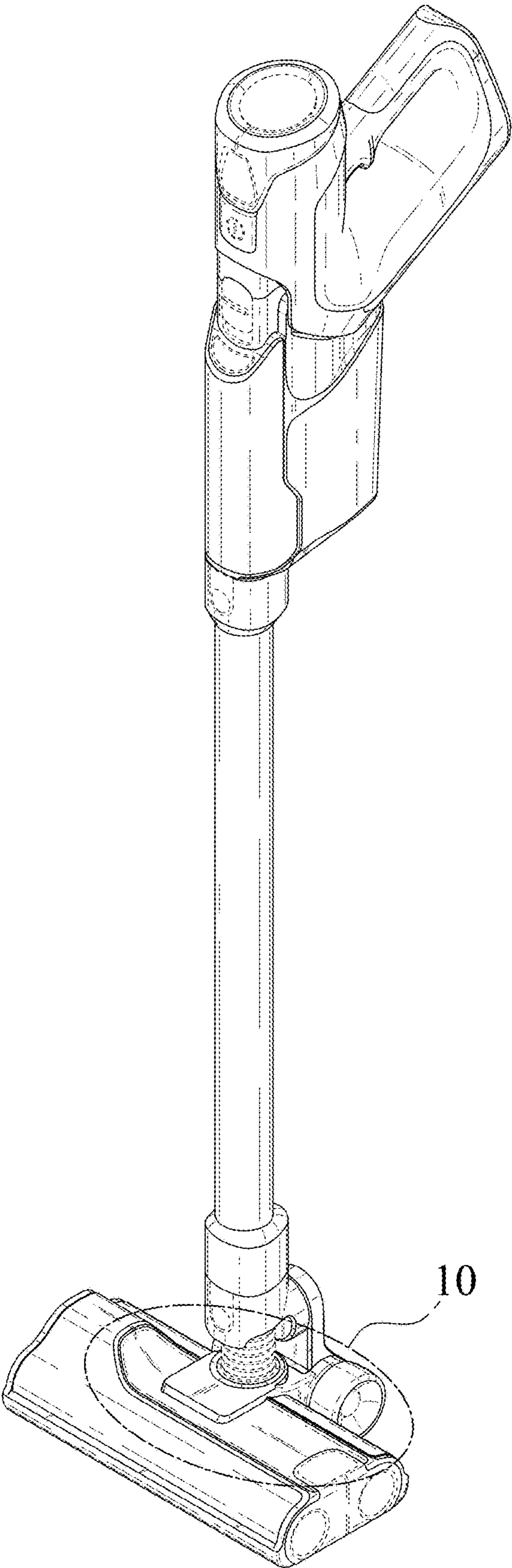
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FIG. 1



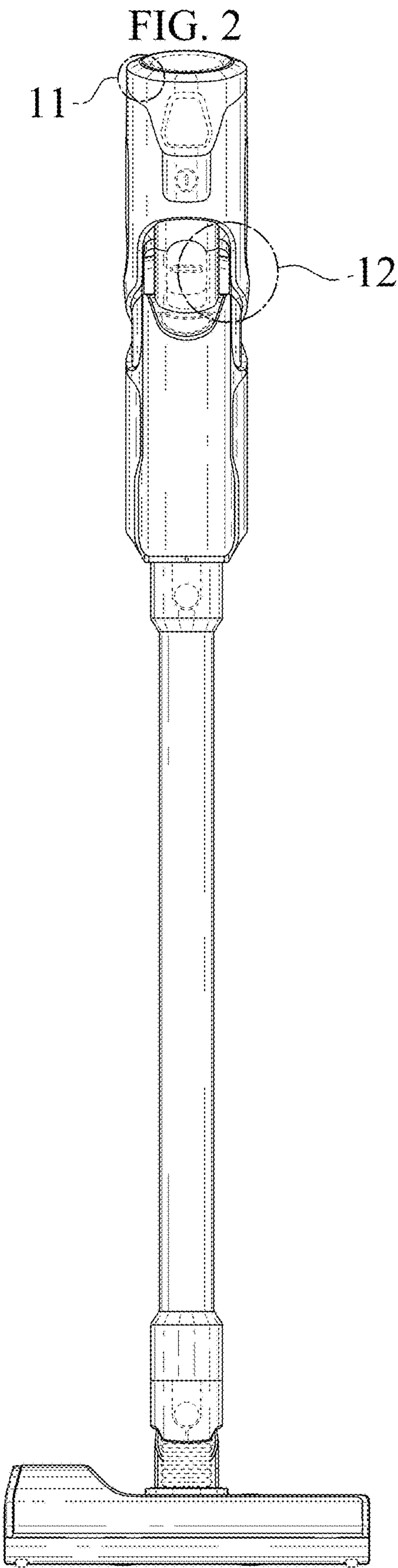


FIG. 3

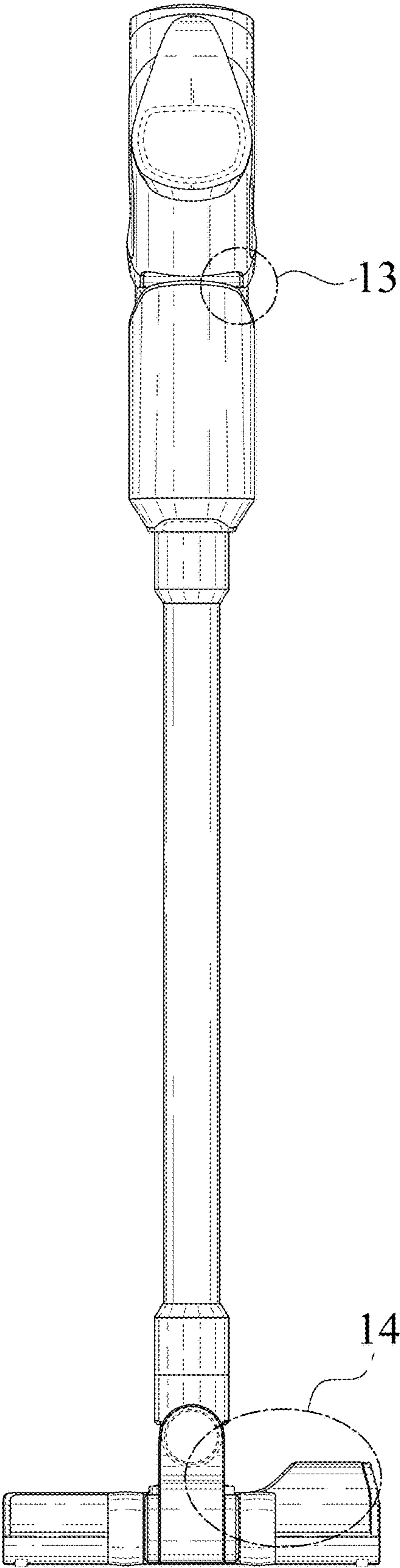


FIG. 4

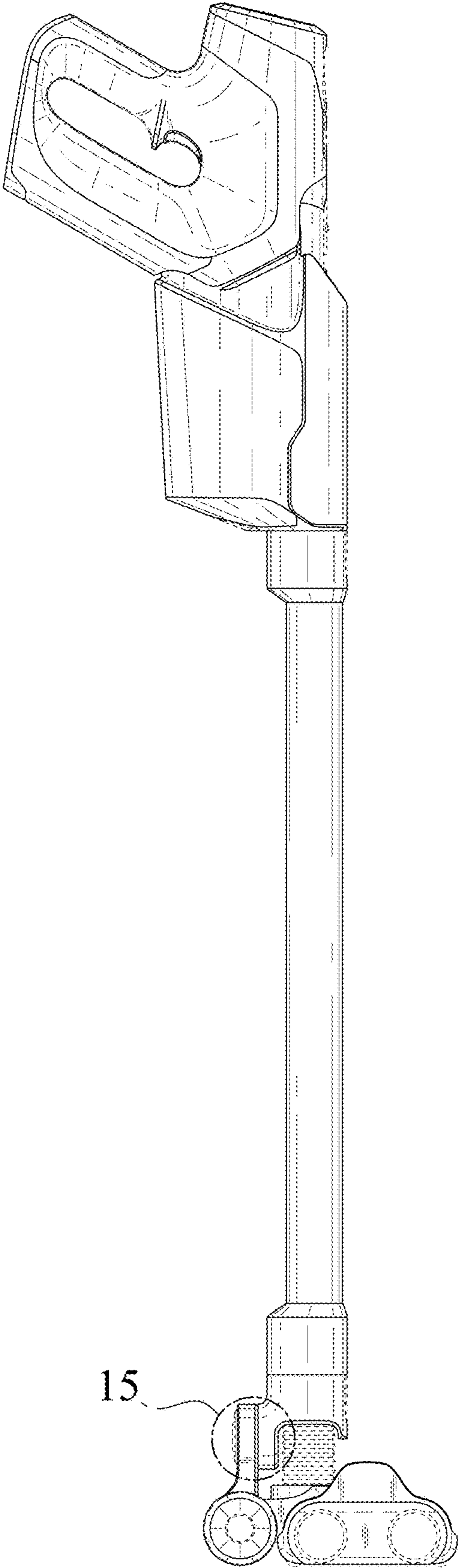


FIG. 5

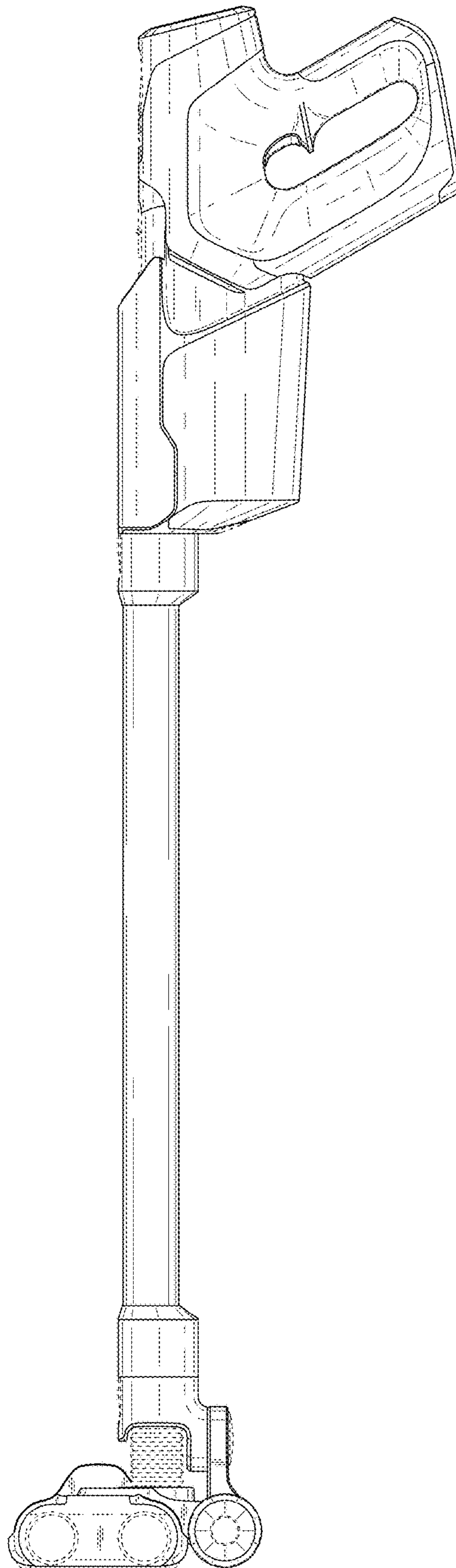


FIG. 6

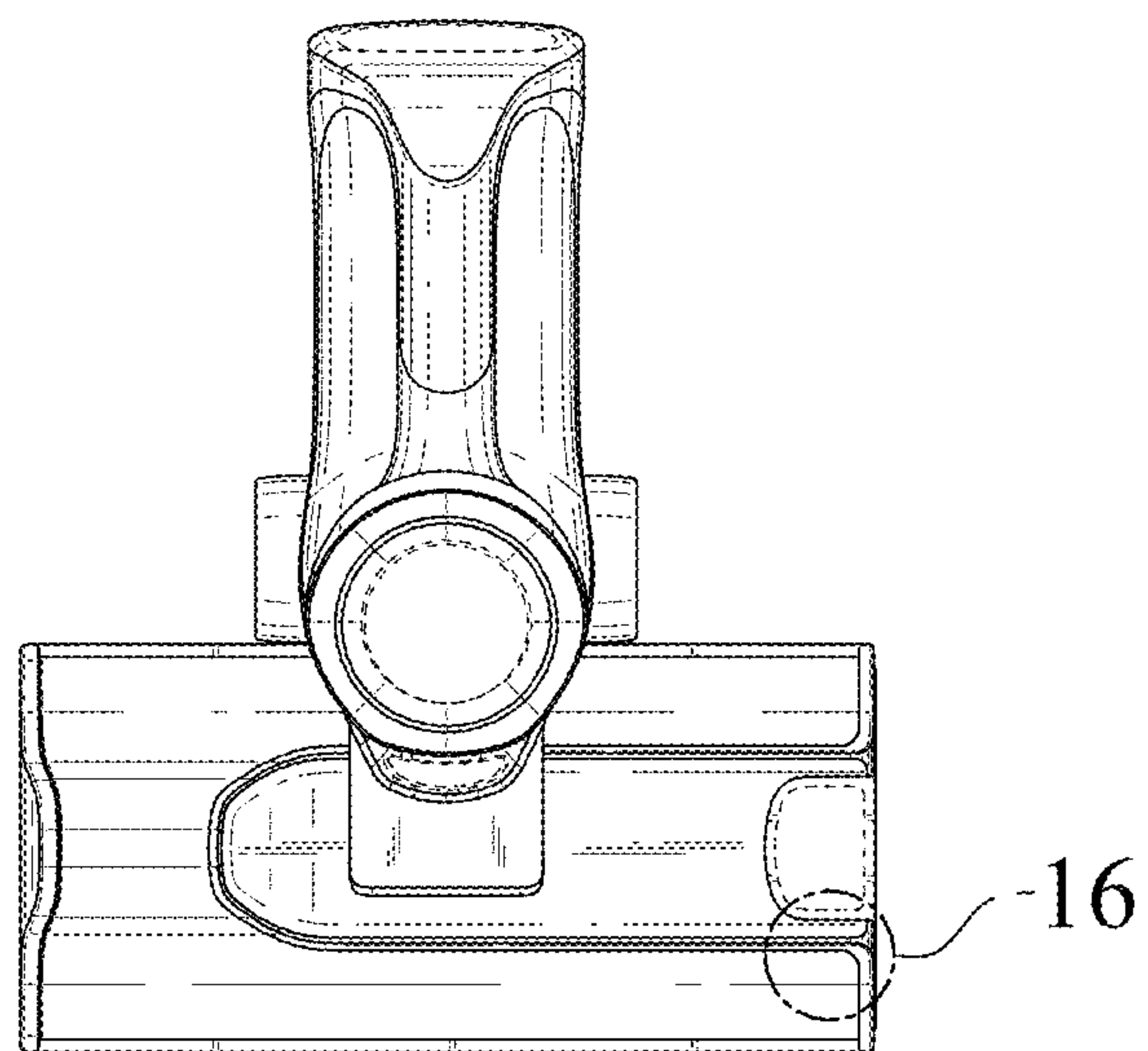


FIG. 7

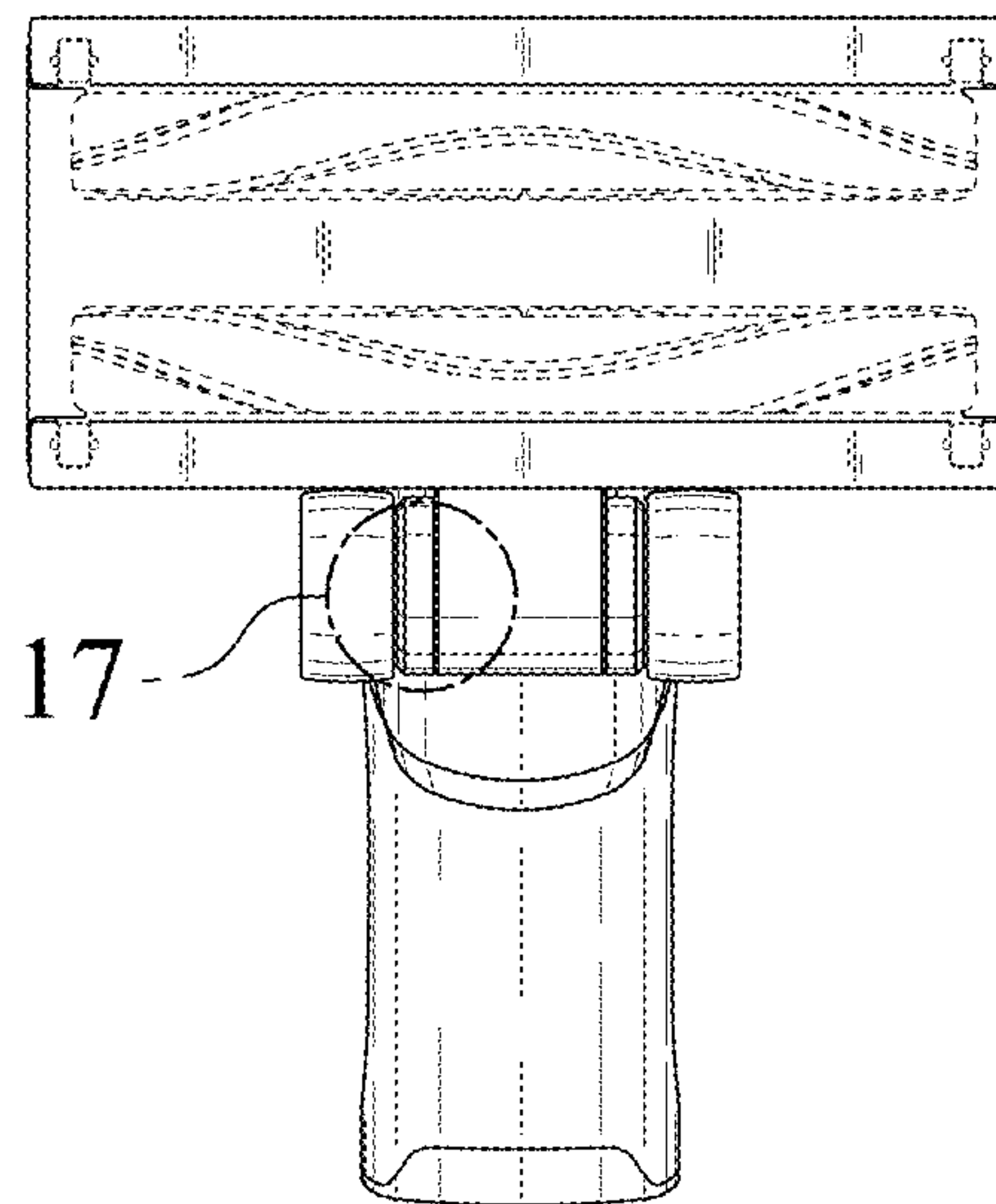


FIG. 8

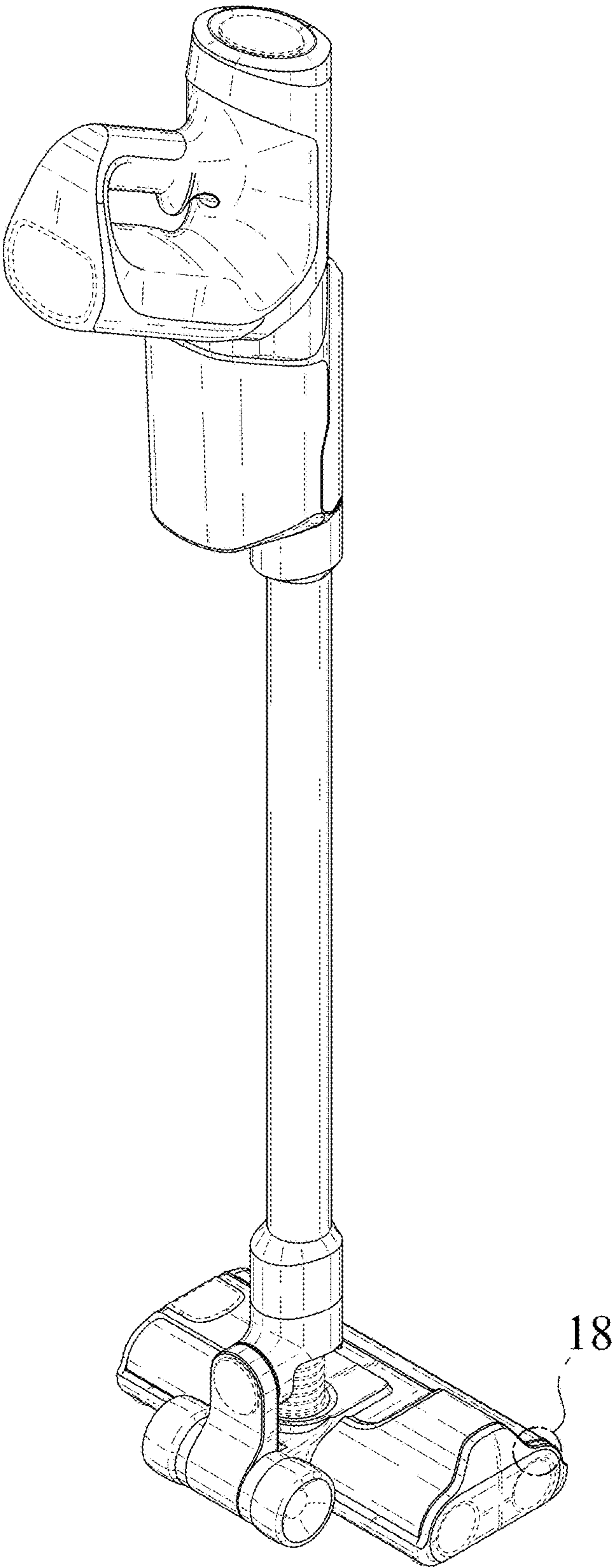


FIG. 9

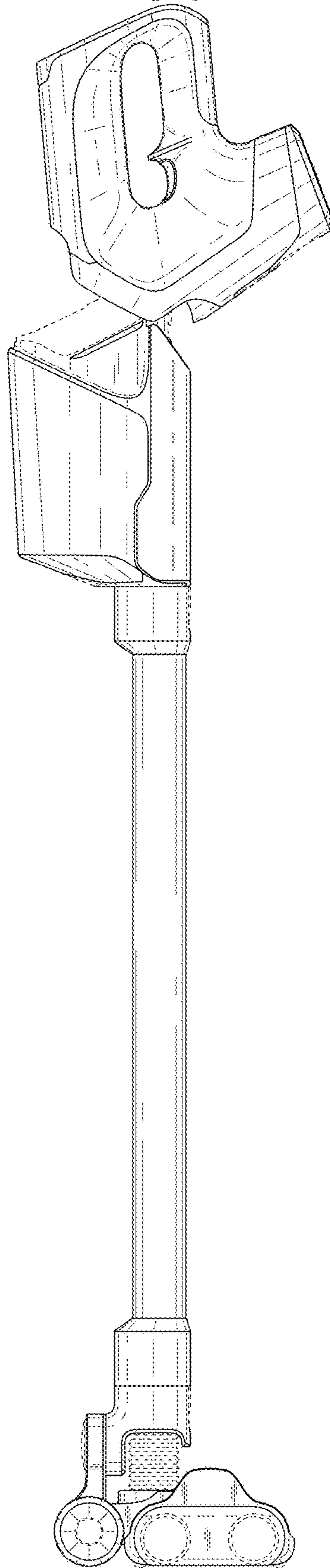


FIG. 10

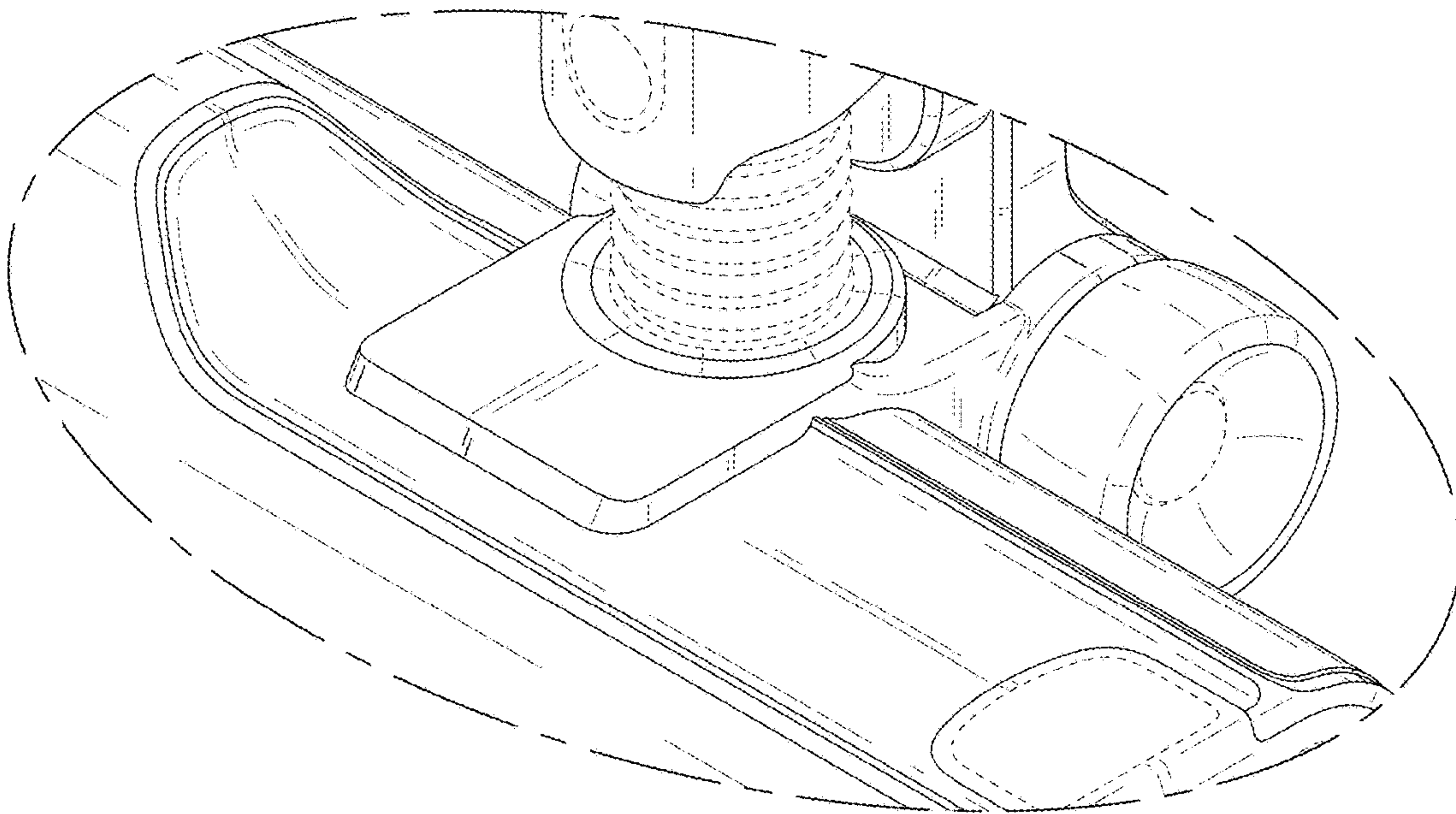


FIG. 11

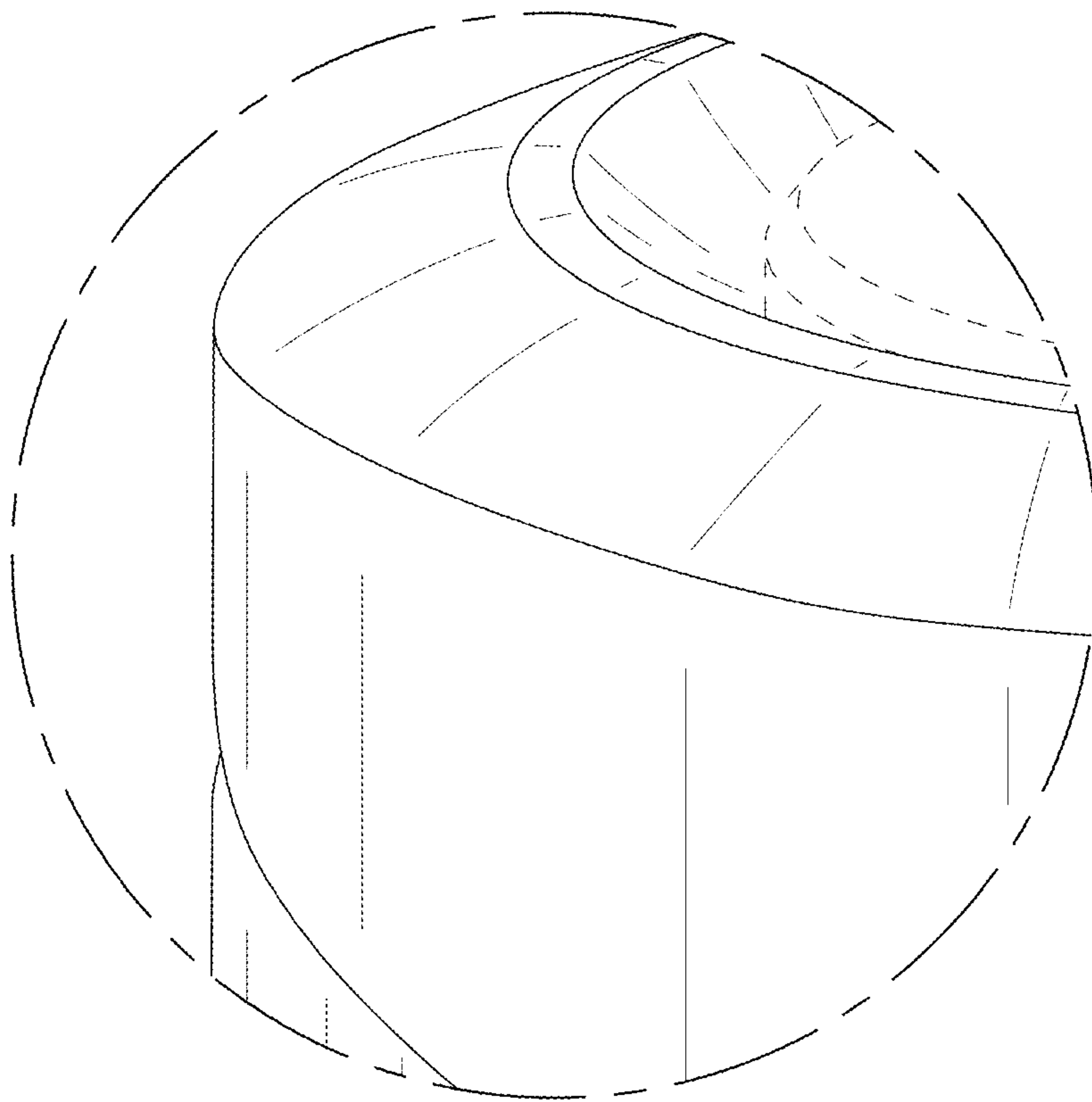


FIG. 12

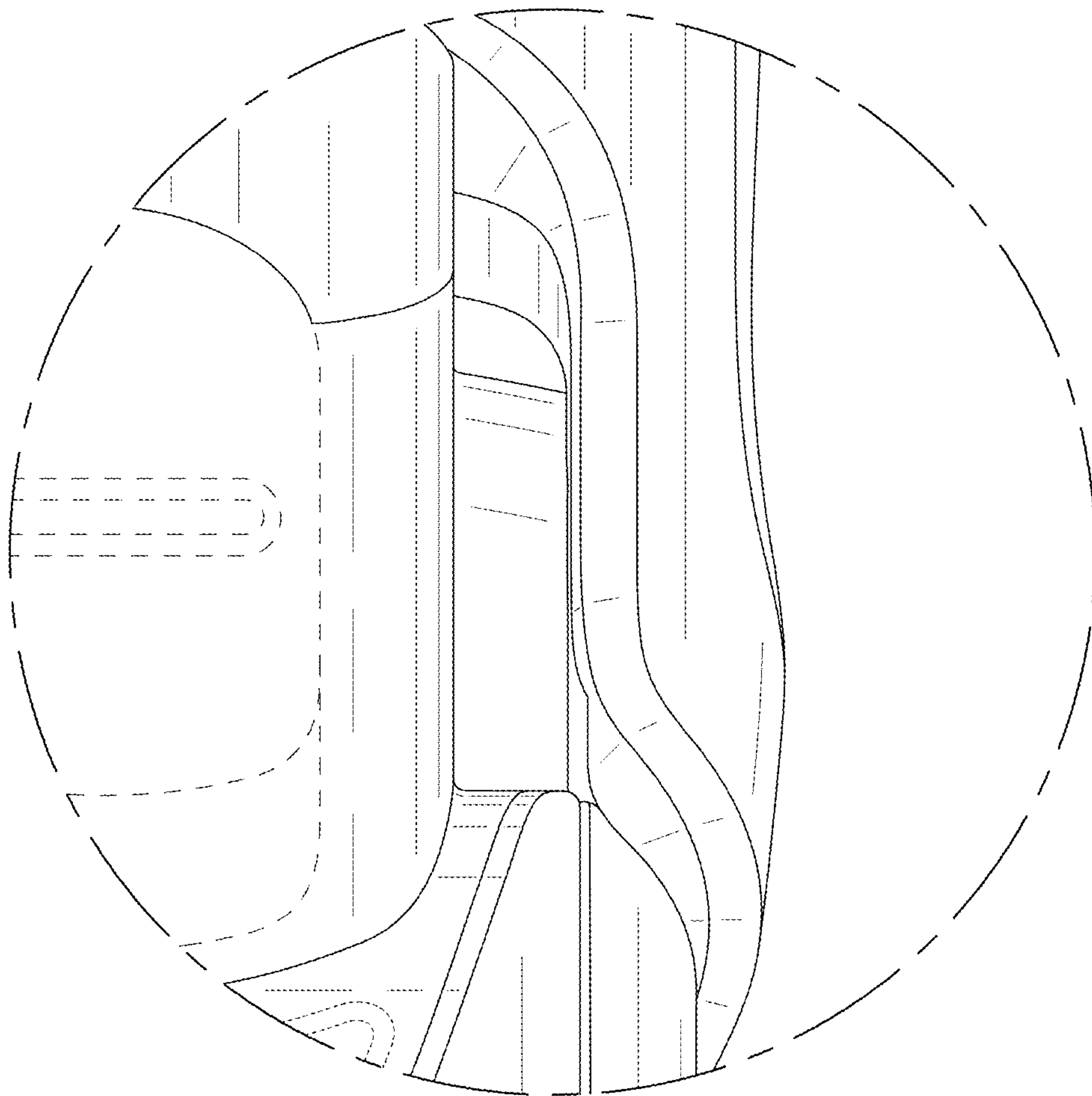


FIG. 13

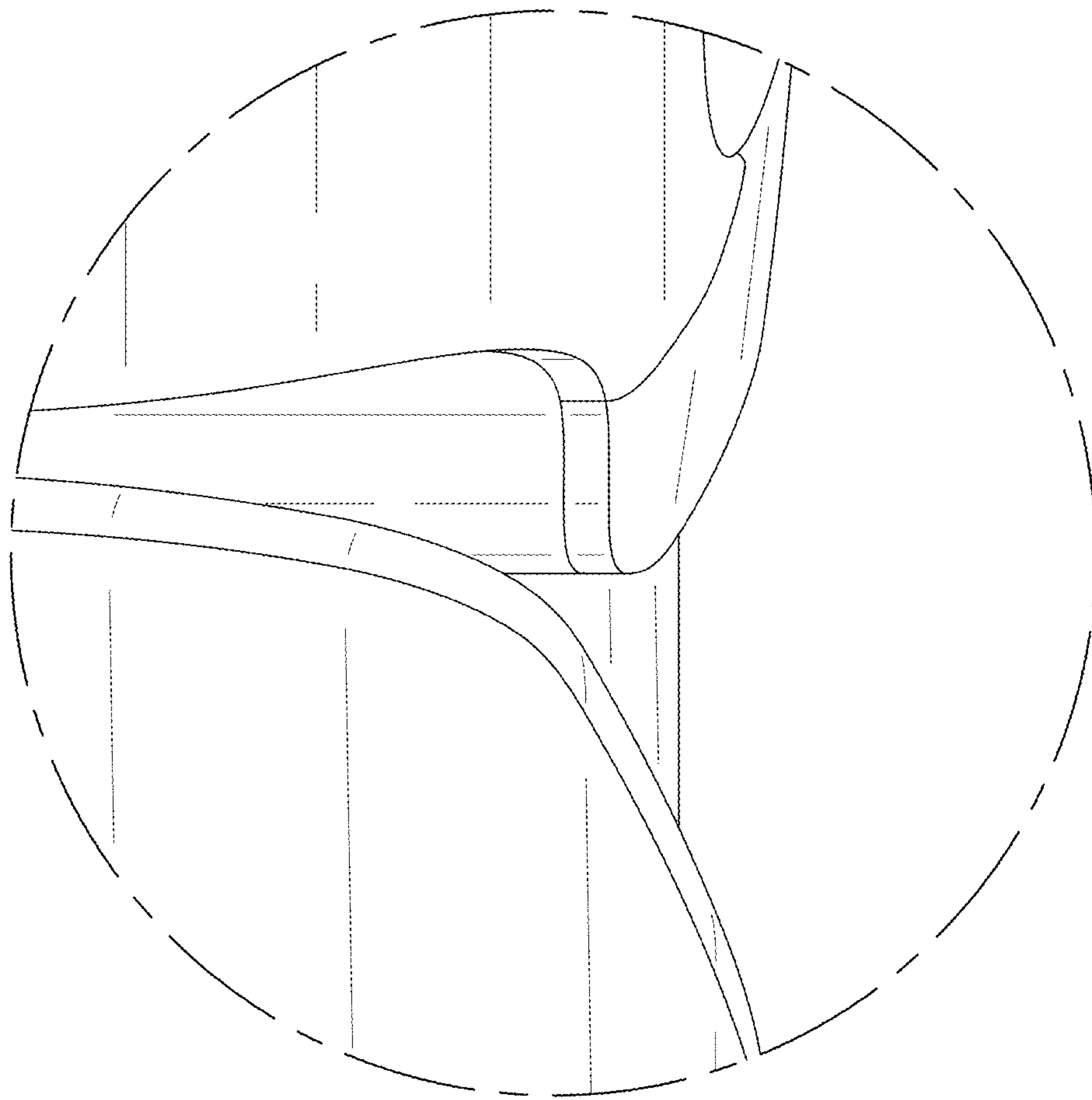


FIG. 14

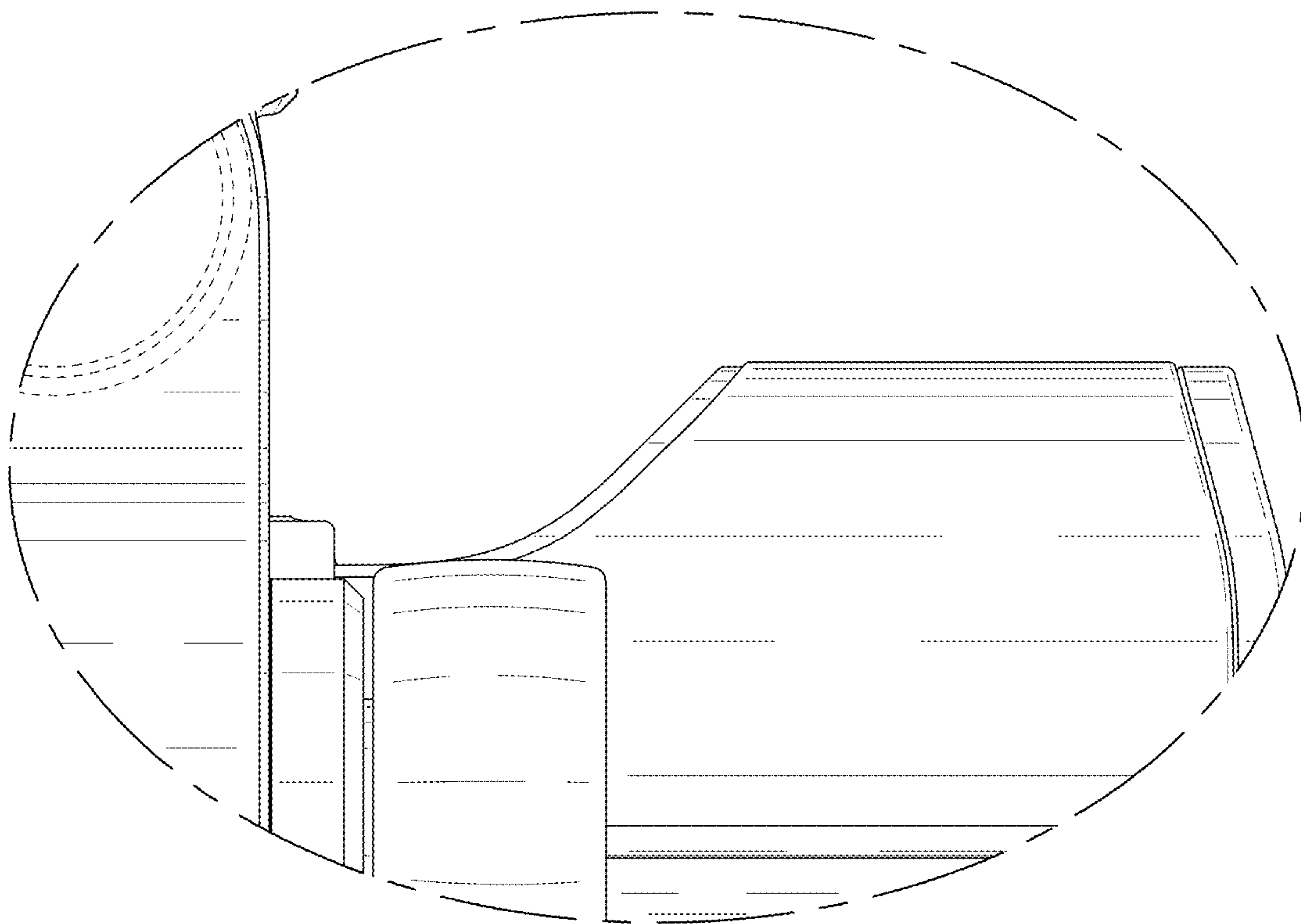


FIG. 15

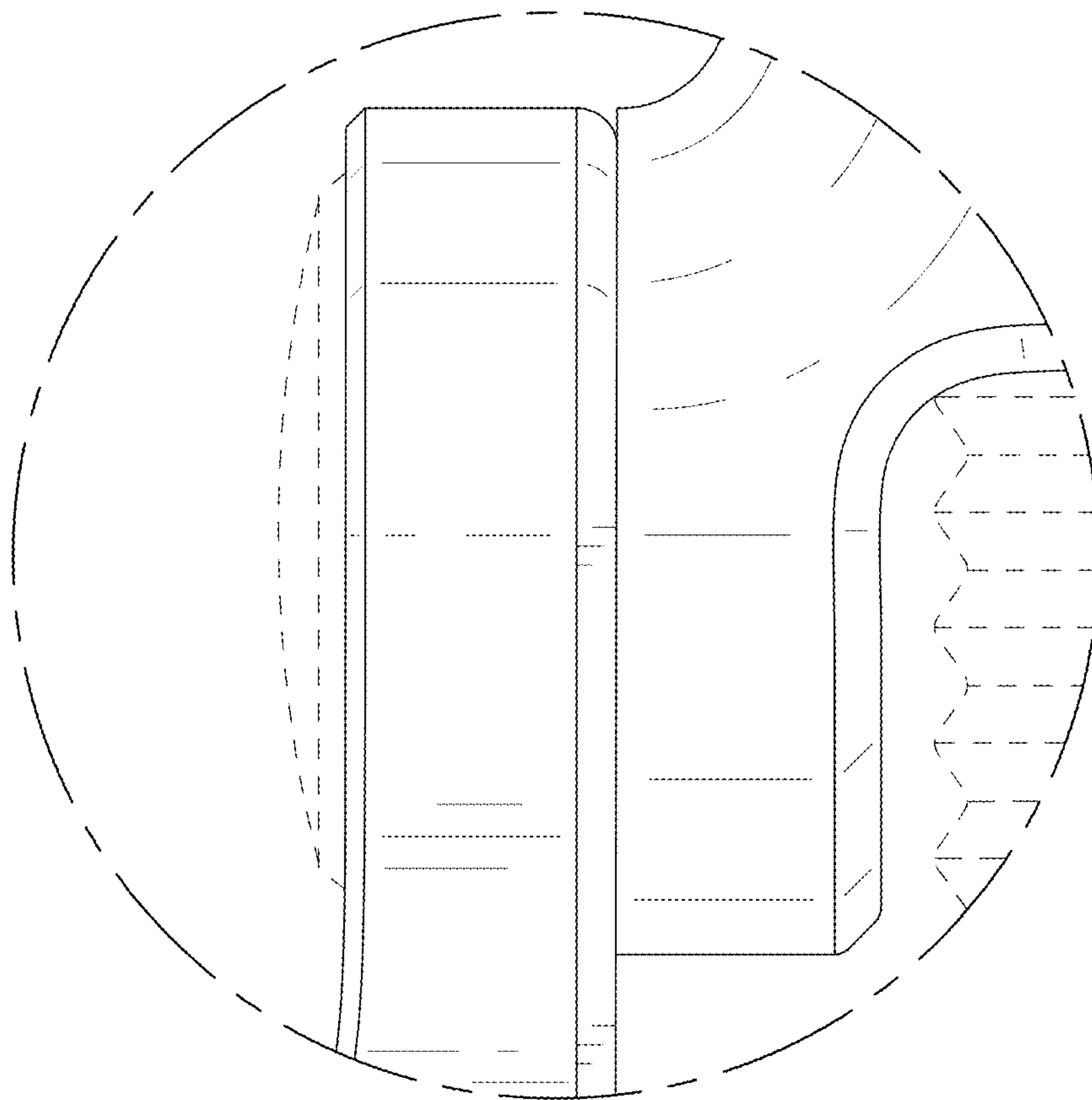


FIG. 16

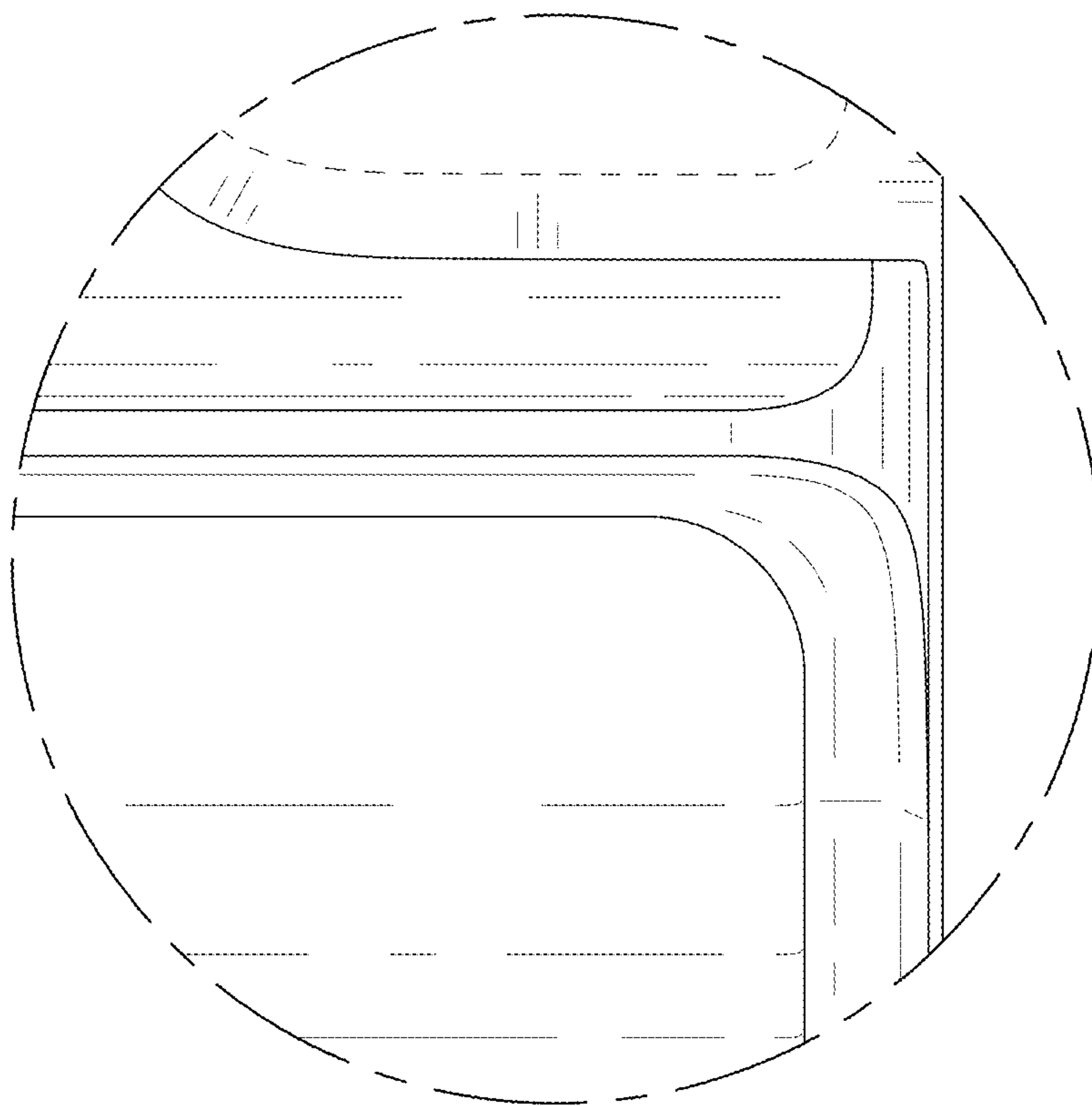


FIG. 17

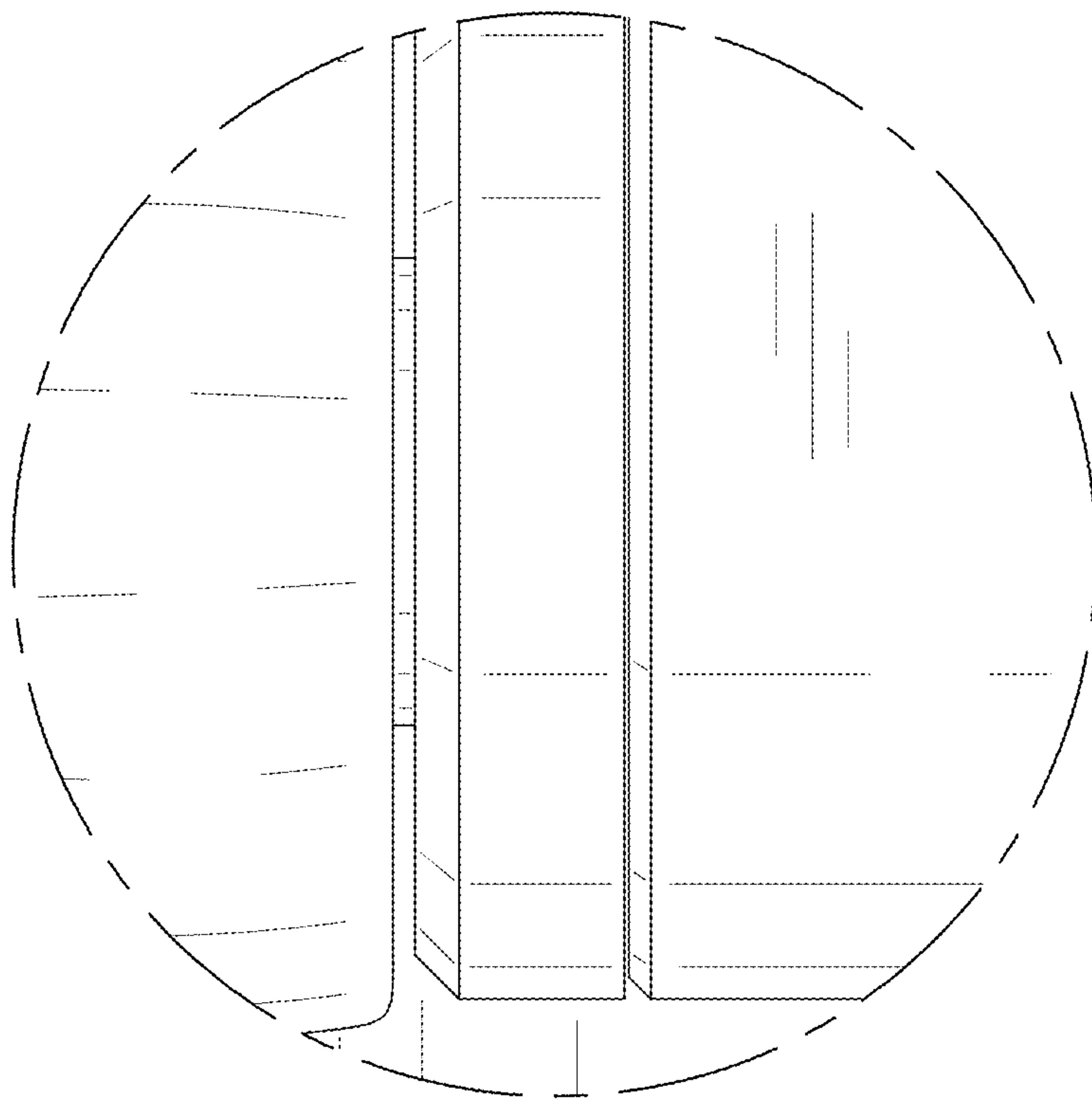


FIG. 18

