



US00D880086S

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

(10) **Patent No.:** **US D880,086 S**
(45) **Date of Patent:** **** Mar. 31, 2020**

(54) **VACUUM CLEANER**

D651,373 S * 12/2011 Fan D32/18
D660,528 S * 5/2012 Okuda D32/18
D749,281 S * 2/2016 Jeon D32/18

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(Continued)

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

(57) **CLAIM**

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

(21) Appl. No.: **29/658,927**

DESCRIPTION

(22) Filed: **Aug. 3, 2018**

(30) **Foreign Application Priority Data**

Apr. 4, 2018 (CN) 2018 3 0134892
Apr. 18, 2018 (CN) 2018 3 0160226

(51) **LOC (12) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/18**

(58) **Field of Classification Search**
USPC D32/17-18, 31, 22, 34; 15/328, 344
CPC ... A47L 5/24; A47L 5/26; A47L 5/362; A47L
5/36; A47L 5/28; A47L 9/102; A47L
9/1683; A47L 9/32
See application file for complete search history.

FIG. 1 is a bottom, front, right side perspective view of a first
embodiment 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 an enlarged view of the encircled portion 8 of FIG.
1;
FIG. 9 is a bottom, front, right side perspective view of a
second embodiment of the vacuum cleaner;
FIG. 10 is a front elevational view thereof;
FIG. 11 is a rear elevational view thereof;
FIG. 12 is a left side elevational view thereof;
FIG. 13 is a right side elevational view thereof;
FIG. 14 is a top plan view thereof;
FIG. 15 is a bottom plan view thereof; and,
FIG. 16 is an enlarged view of the encircled portion 16 of
FIG. 9.

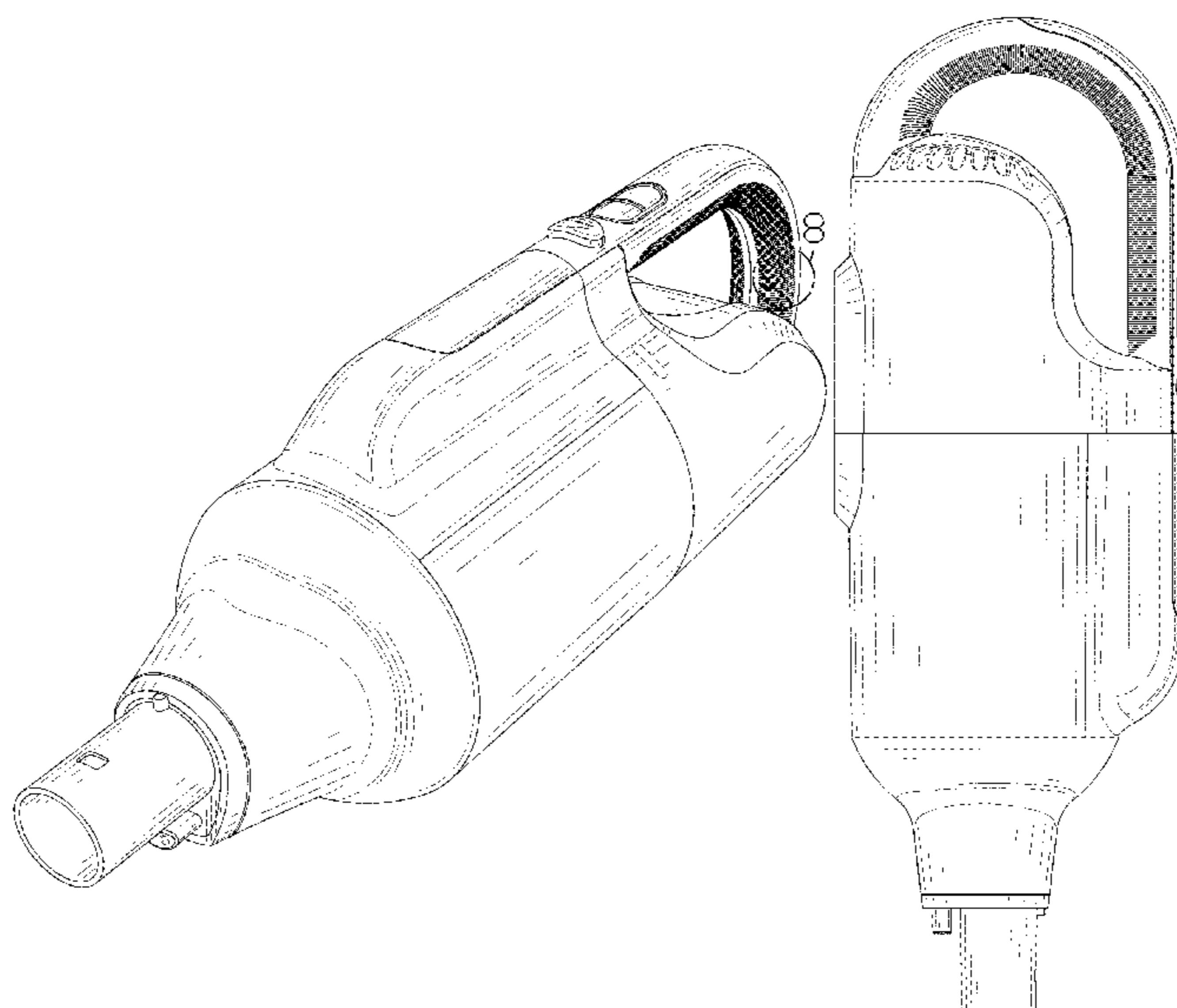
The broken lines in the drawings show portions of the
vacuum cleaner which form no part of the claimed design.

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1 Claim, 16 Drawing Sheets



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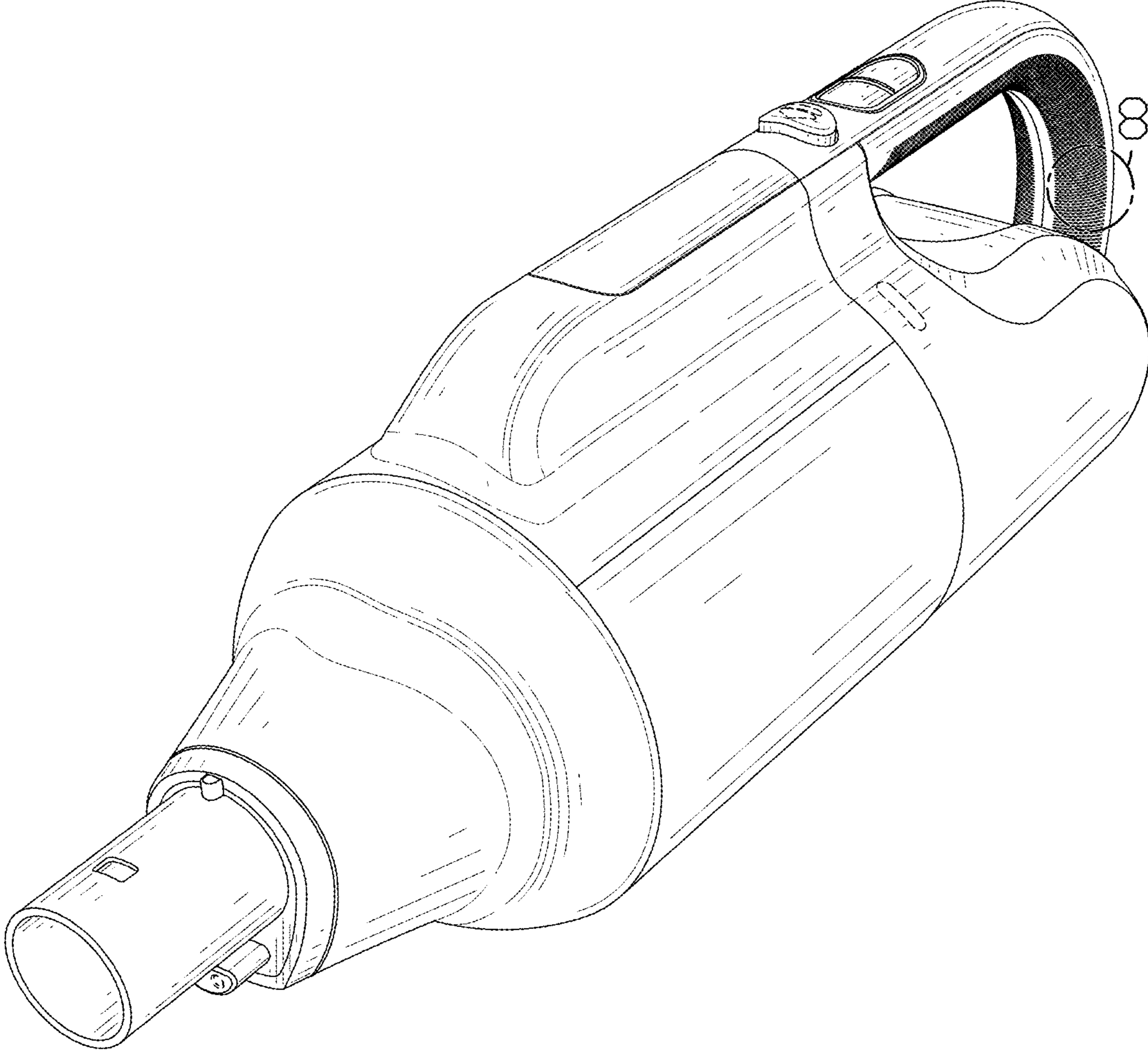


FIG. 1

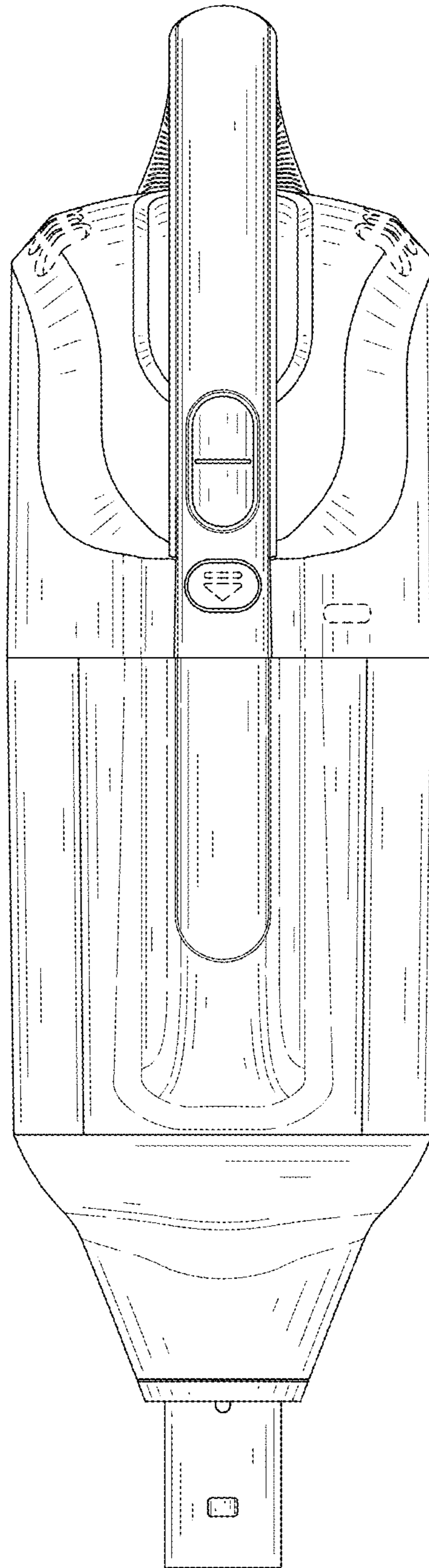


FIG. 2

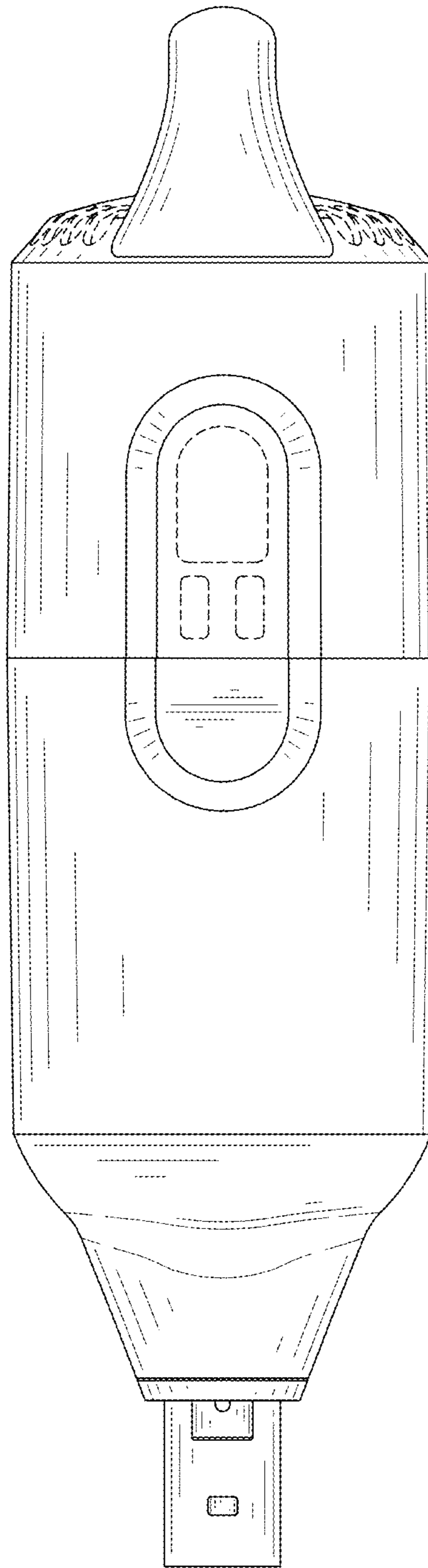


FIG. 3

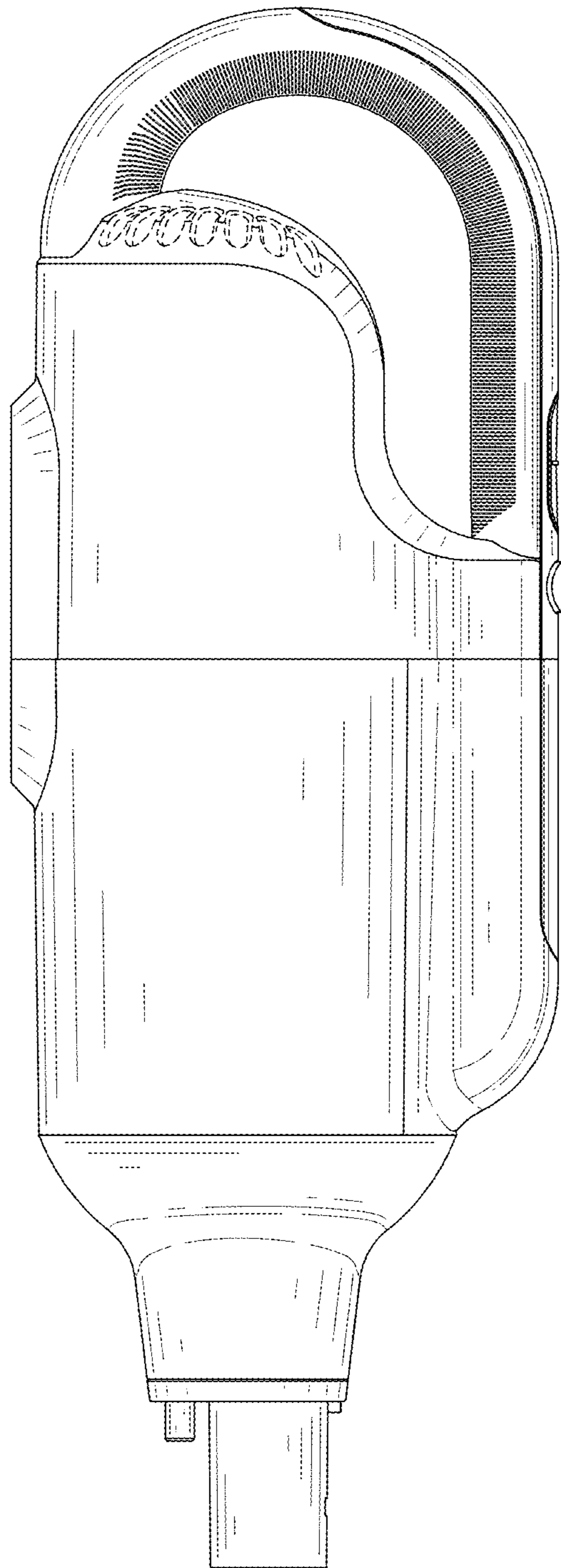


FIG. 4

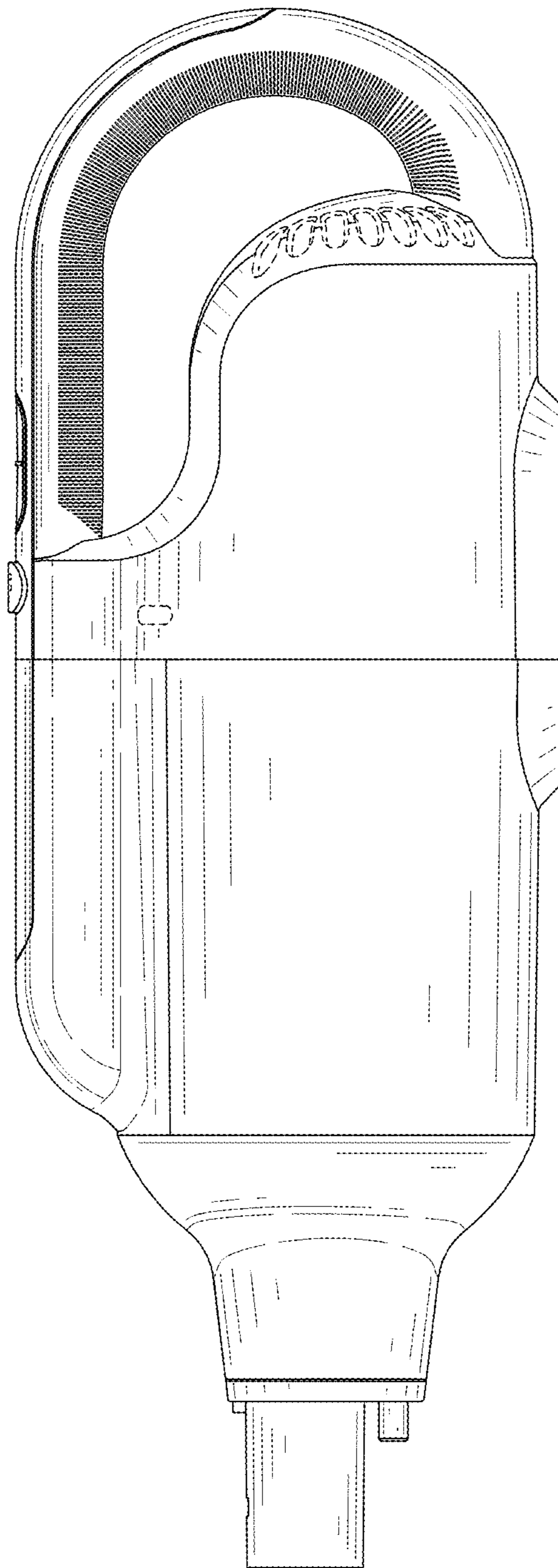


FIG. 5

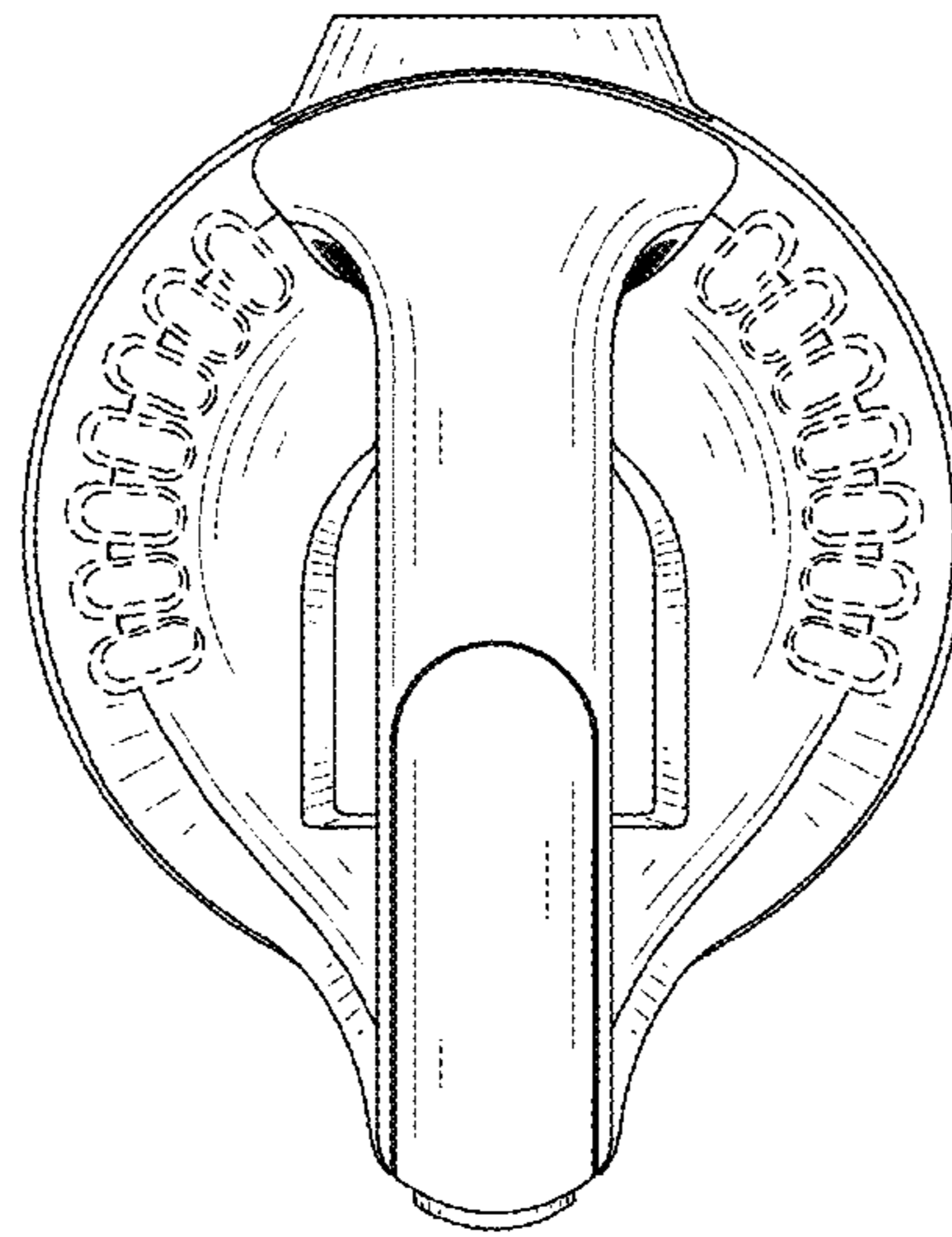


FIG. 6

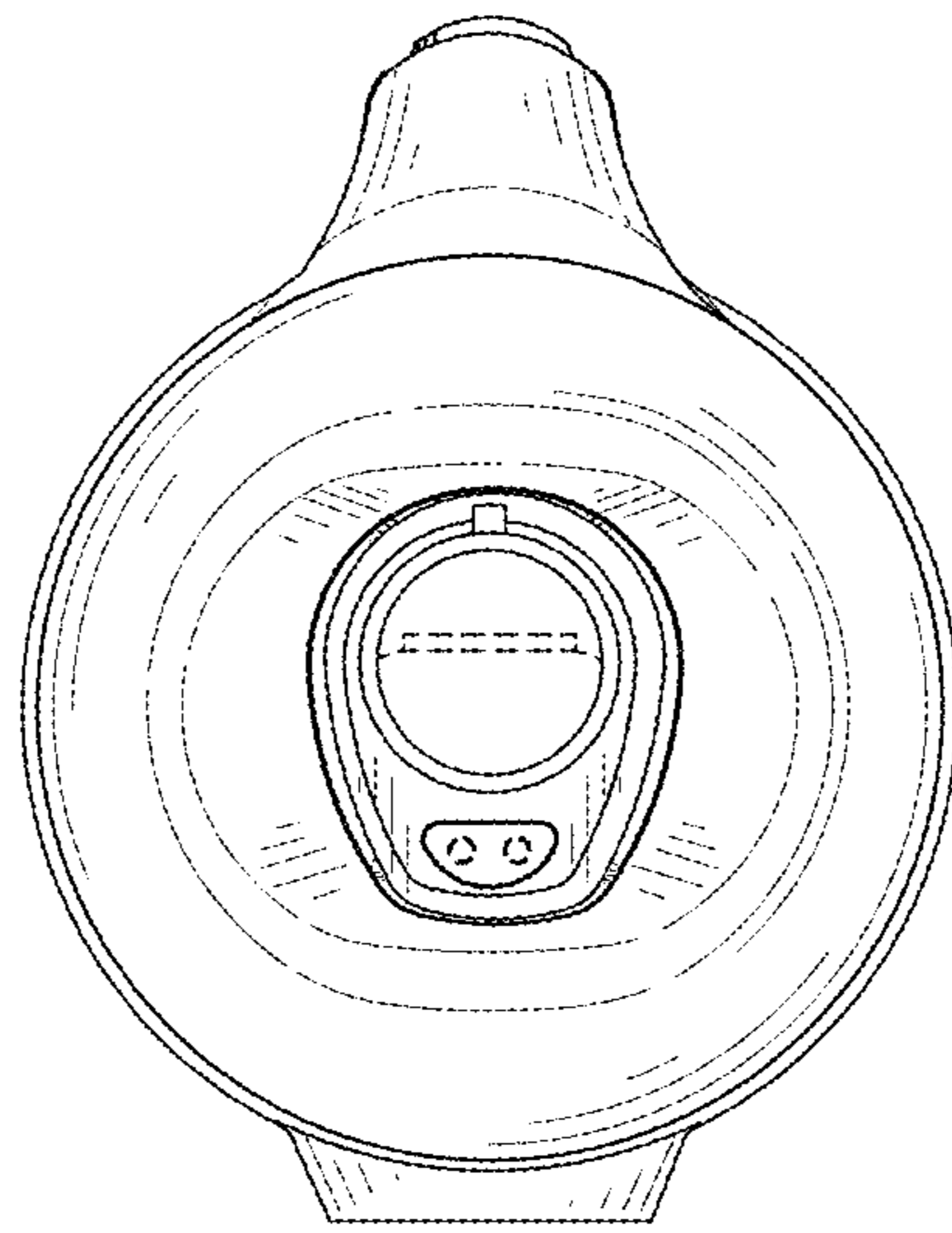


FIG. 7

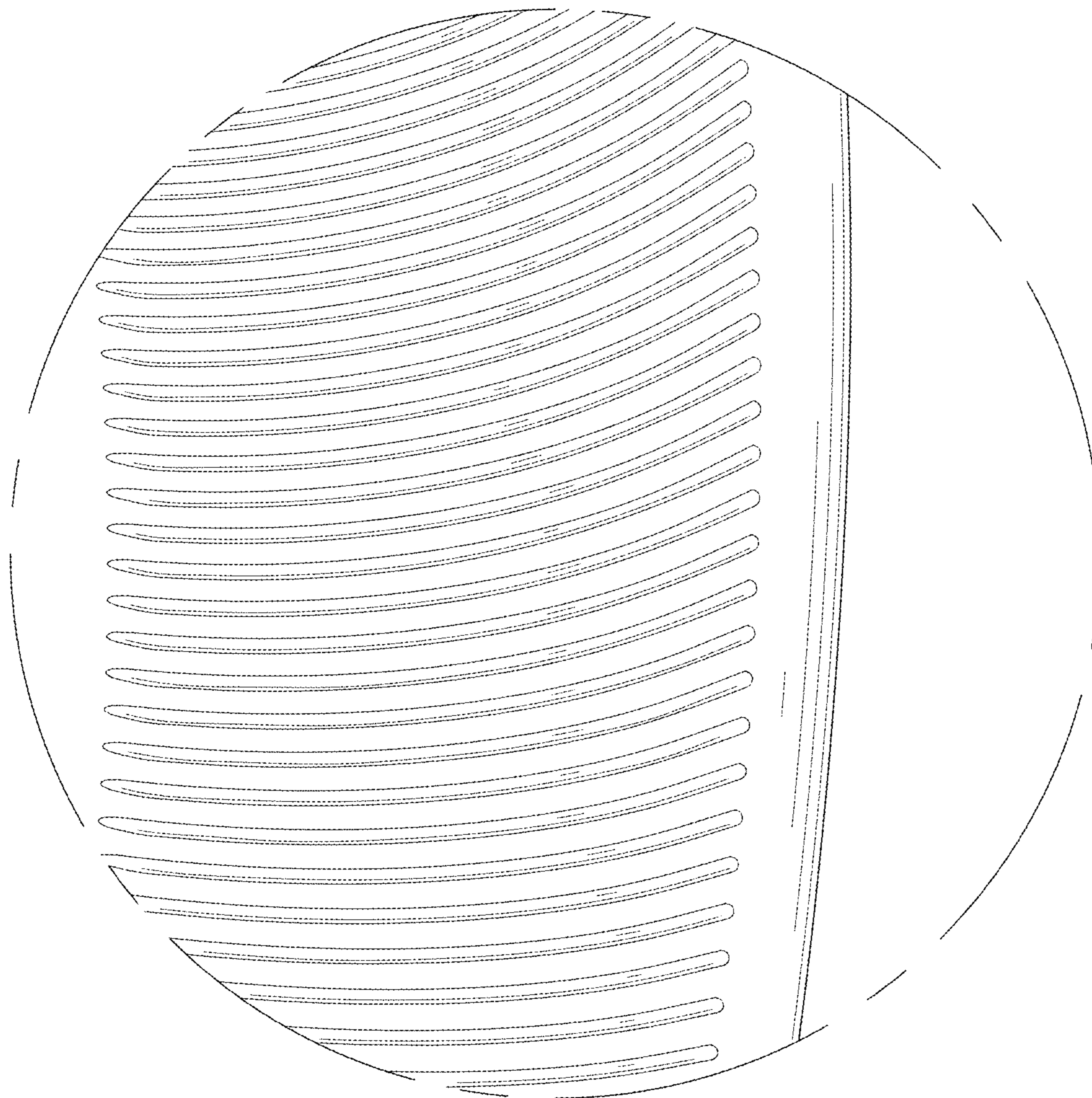


FIG. 8

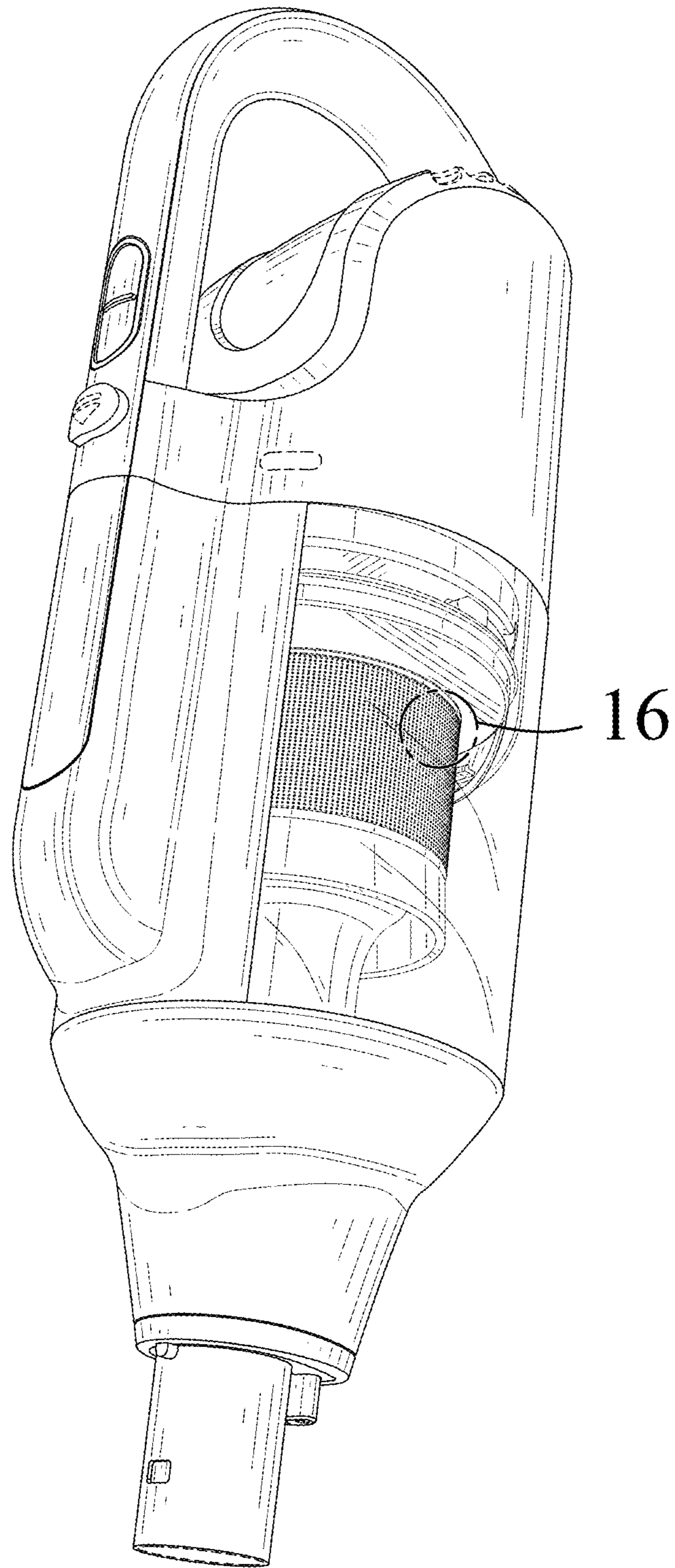


FIG. 9

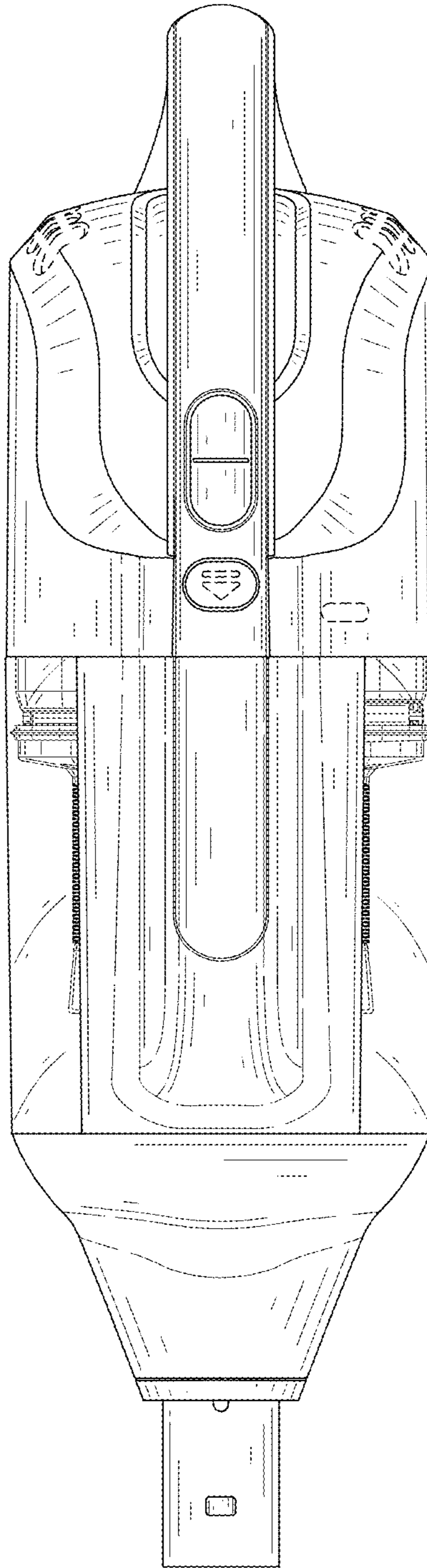


FIG. 10

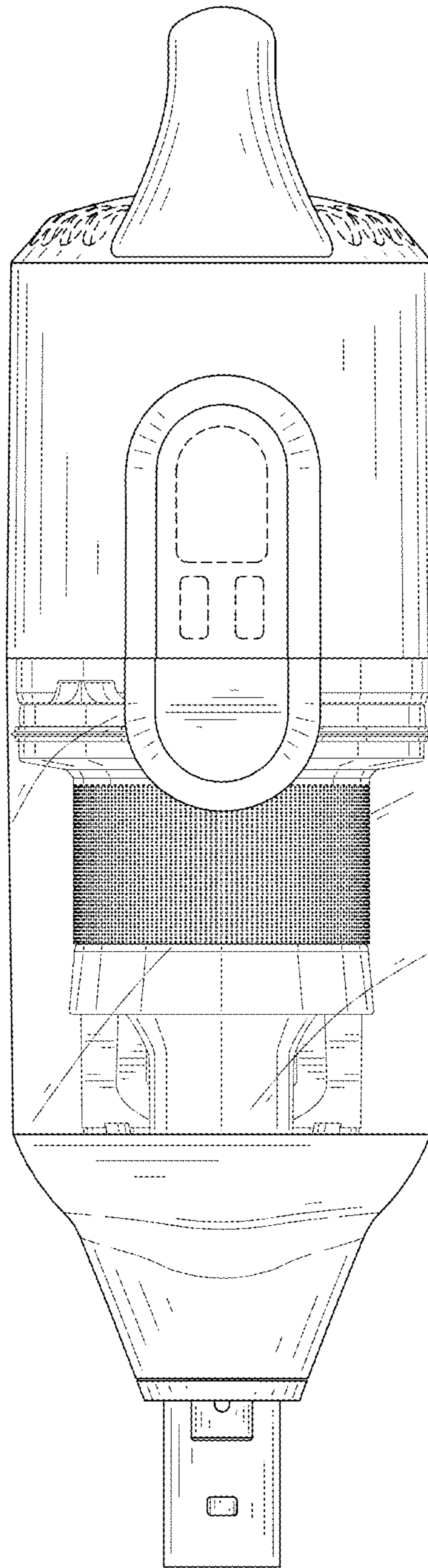


FIG. 11

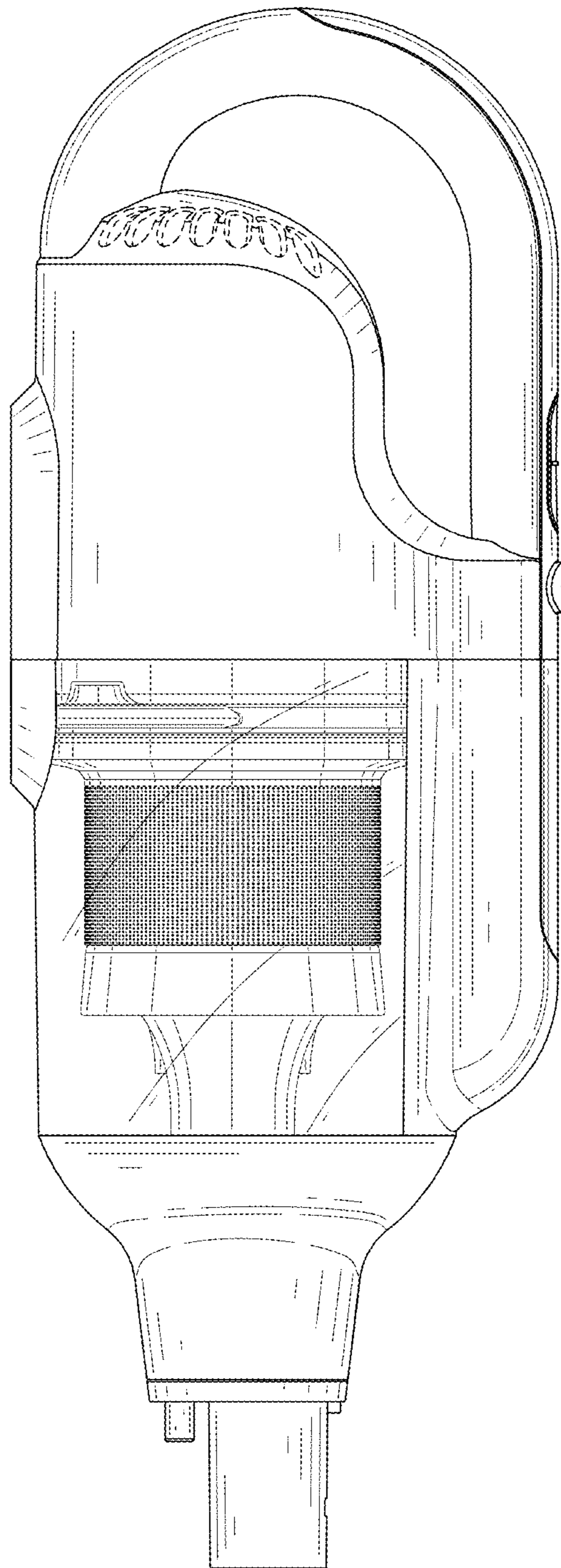


FIG. 12

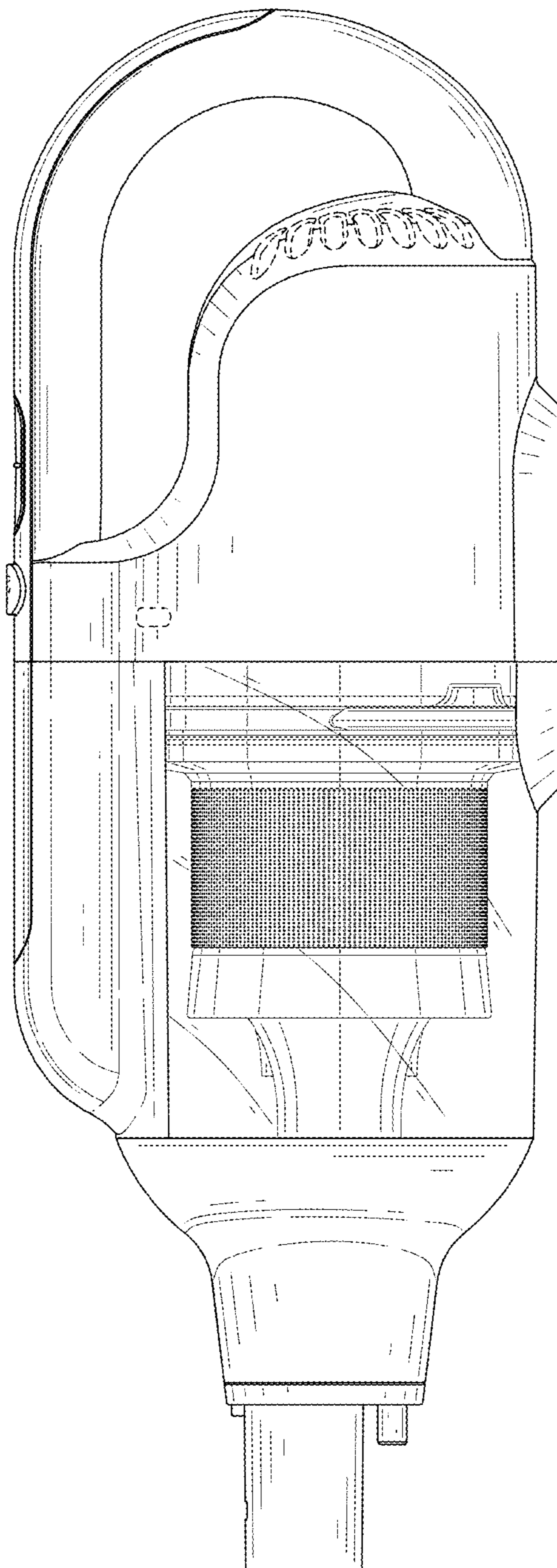


FIG. 13

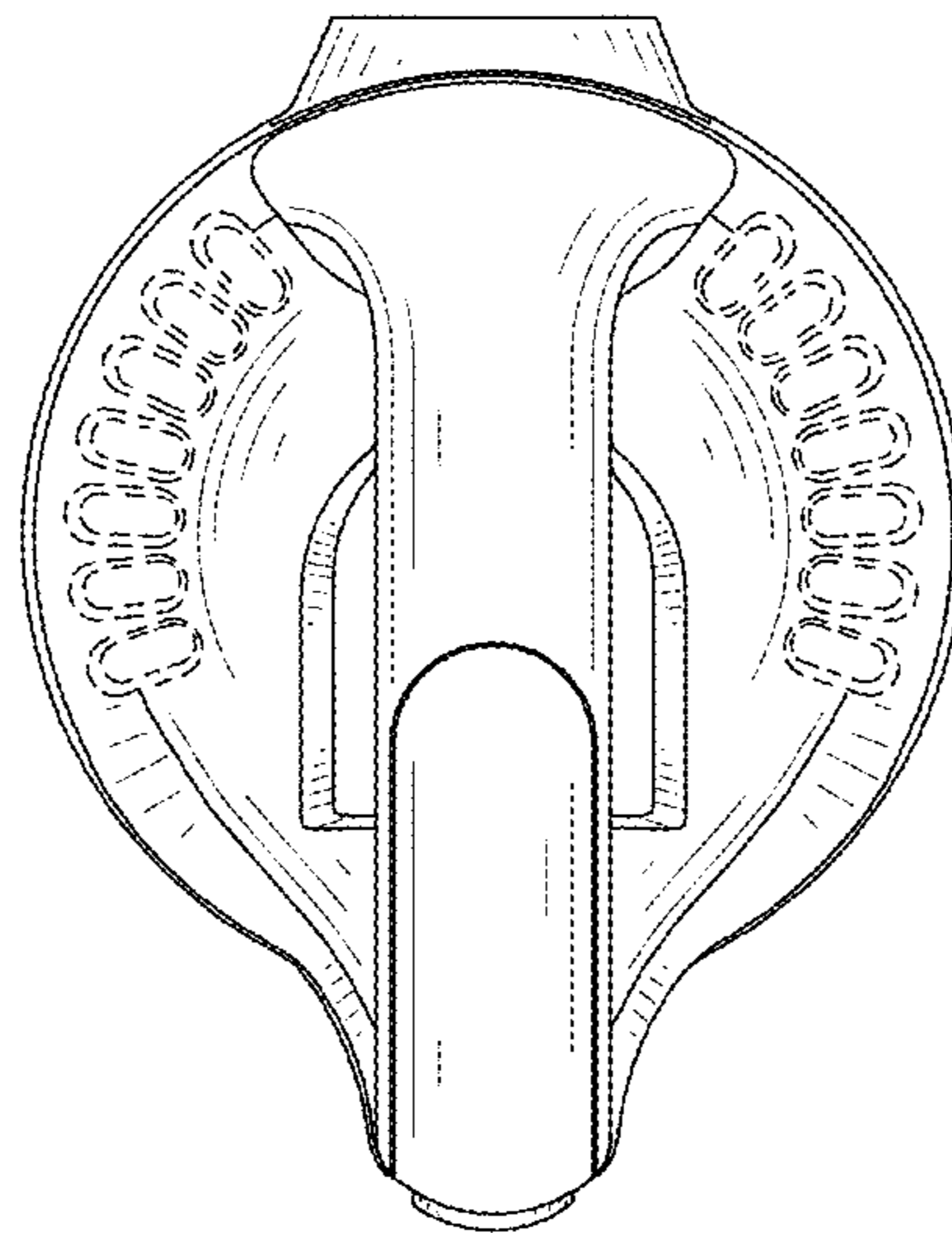


FIG. 14

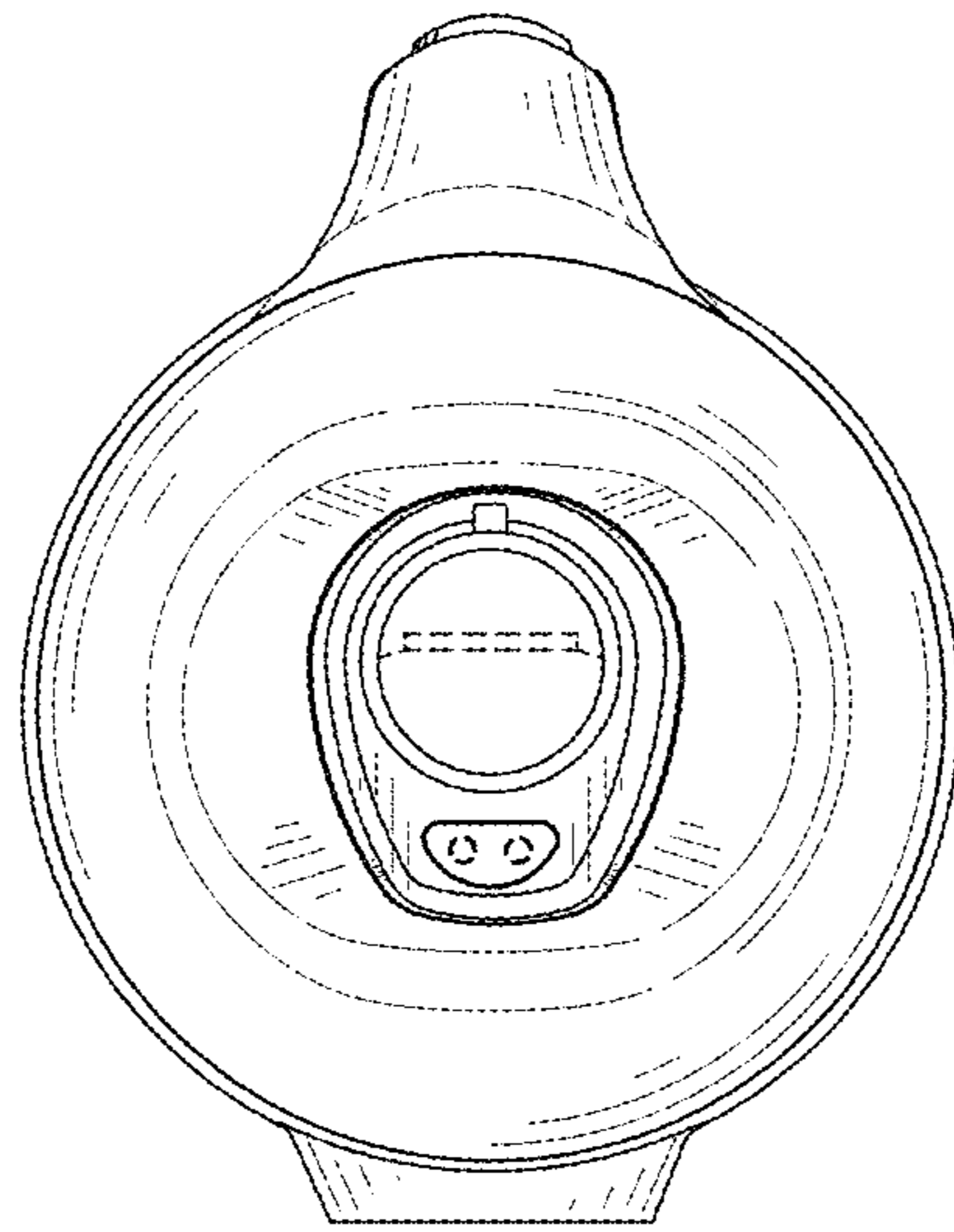


FIG. 15

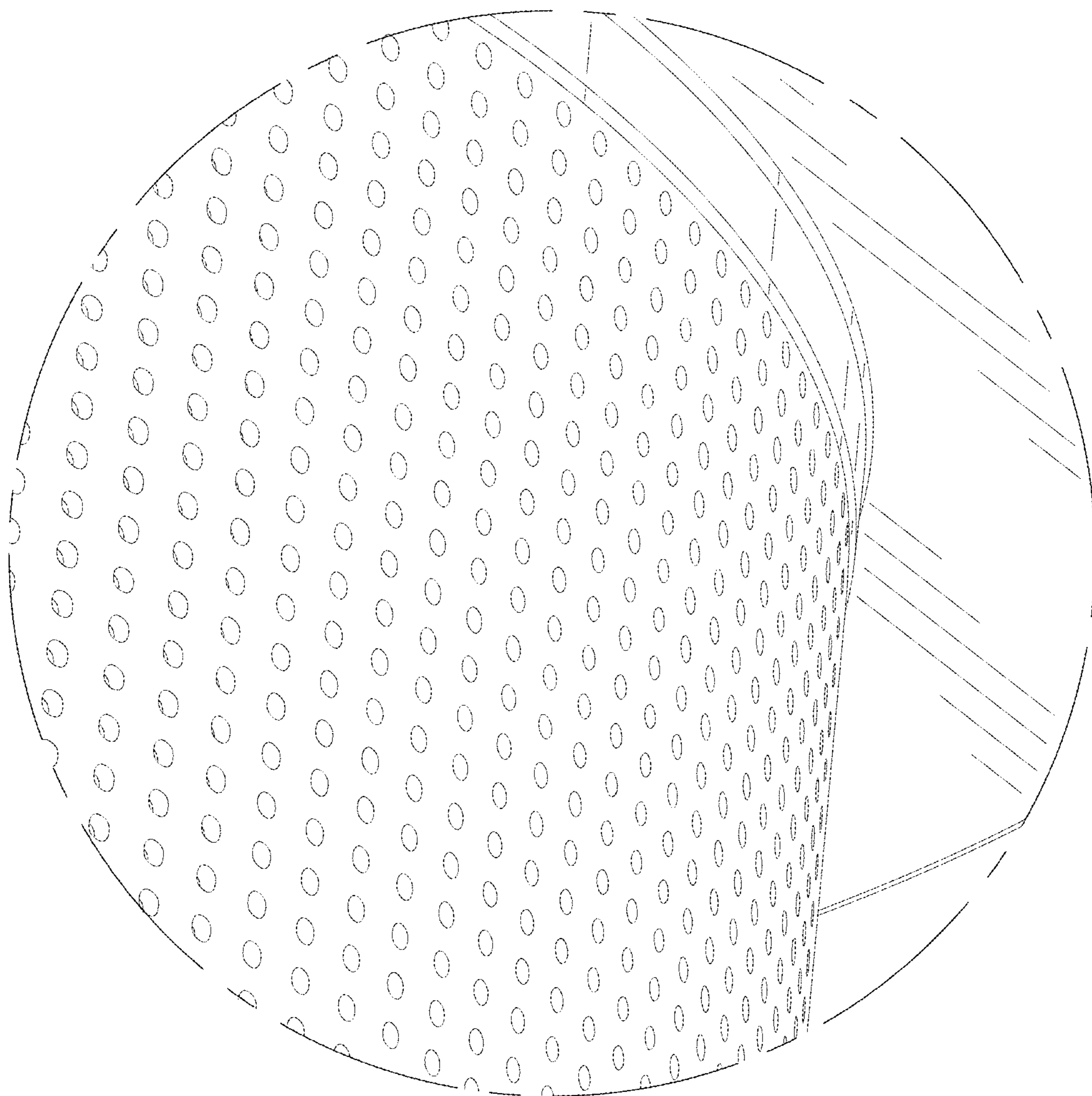


FIG. 16