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(12) **United States Design Patent** (10) **Patent No.:** **US D966,637 S**
Xu (45) **Date of Patent:** **** Oct. 11, 2022**

(54) **VACUUM CLEANER**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **15-05**

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

(58) **Field of Classification Search**
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CPC A47L 11/24; A47L 11/33; A47L 11/32;
A47L 9/1666; A47L 9/1608; A47L 11/00;
A47L 11/38; Y10S 55/03
See application file for complete search history.

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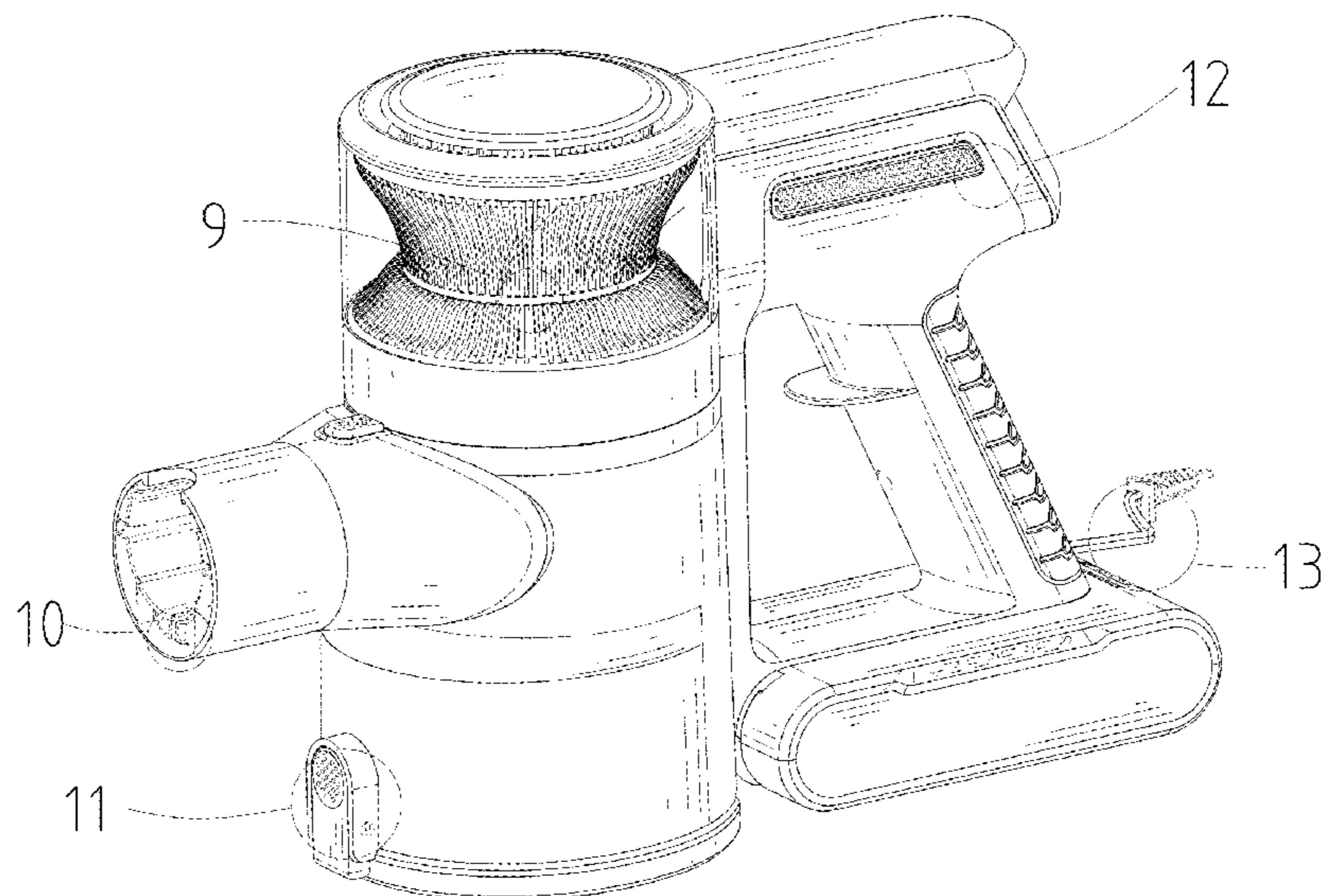
(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a vacuum cleaner showing my new design;
FIG. 2 is a second perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a back view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof;
FIG. 8 is a bottom view thereof;
FIG. 9 is an enlarged view of the selected portion in FIG. 1; and,
FIG. 10 is an enlarged view of the selected portion in FIG. 2.
The broken lines shown in the drawings depict portions of the vacuum cleaner that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



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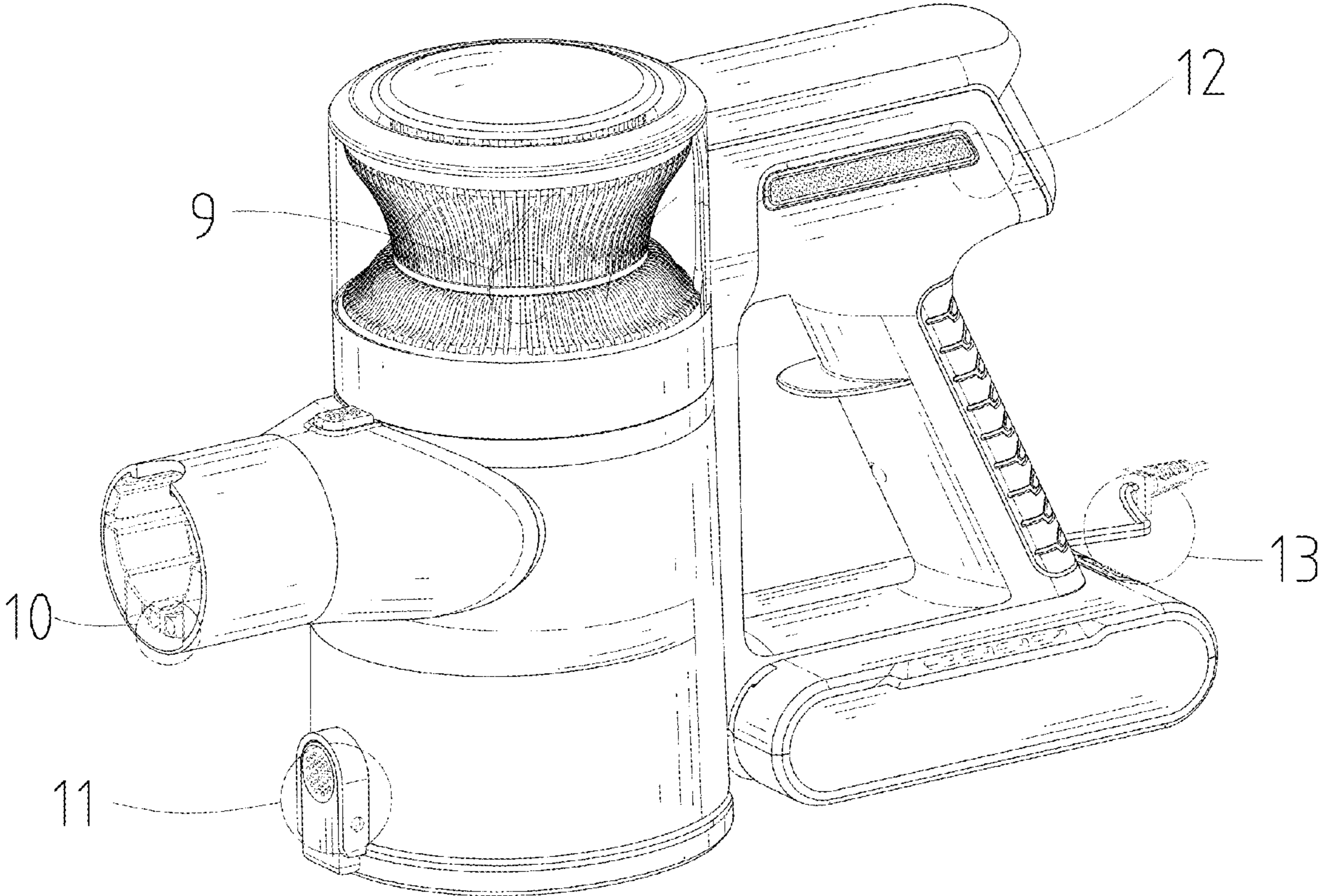


FIG. 1

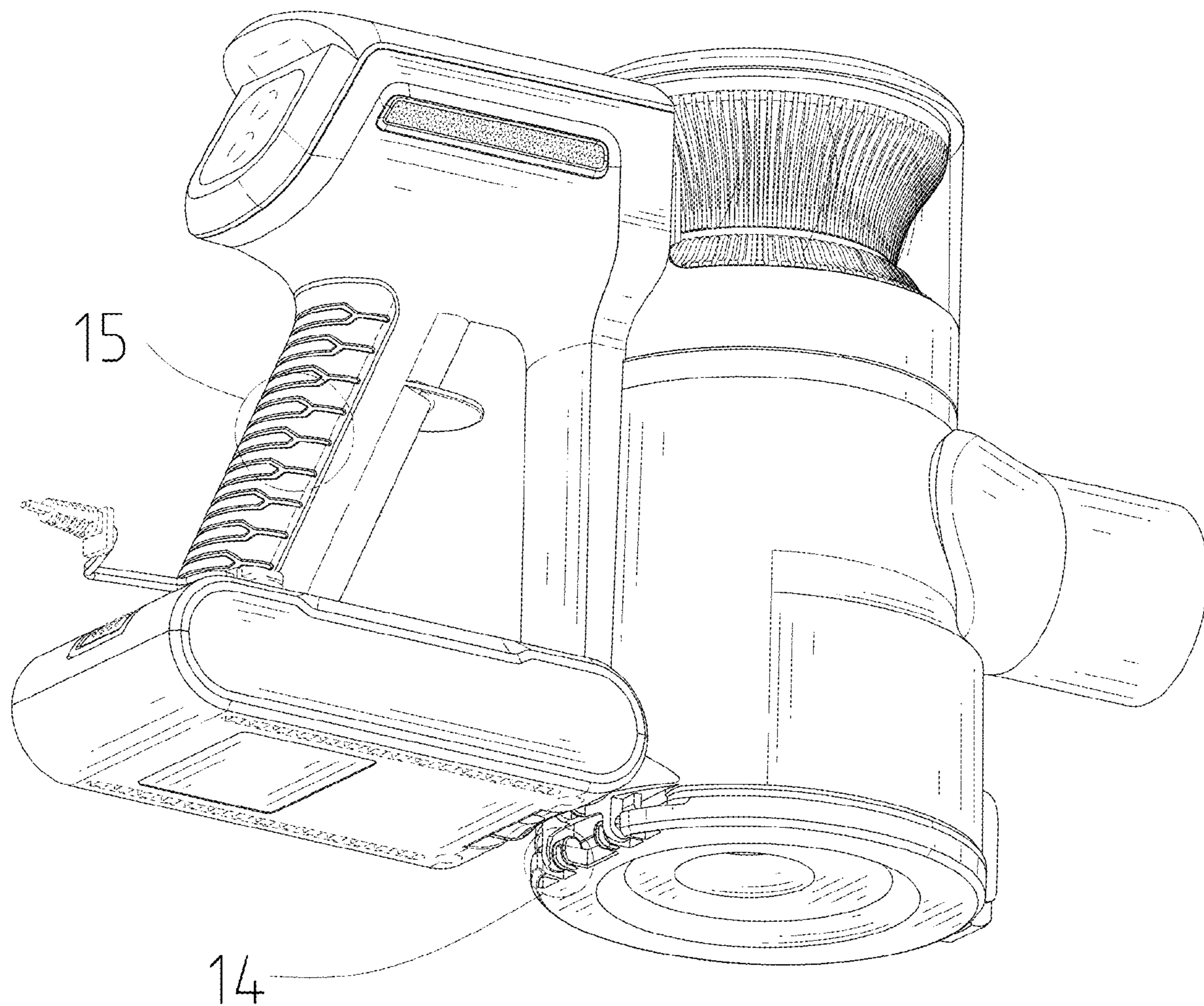


FIG. 2

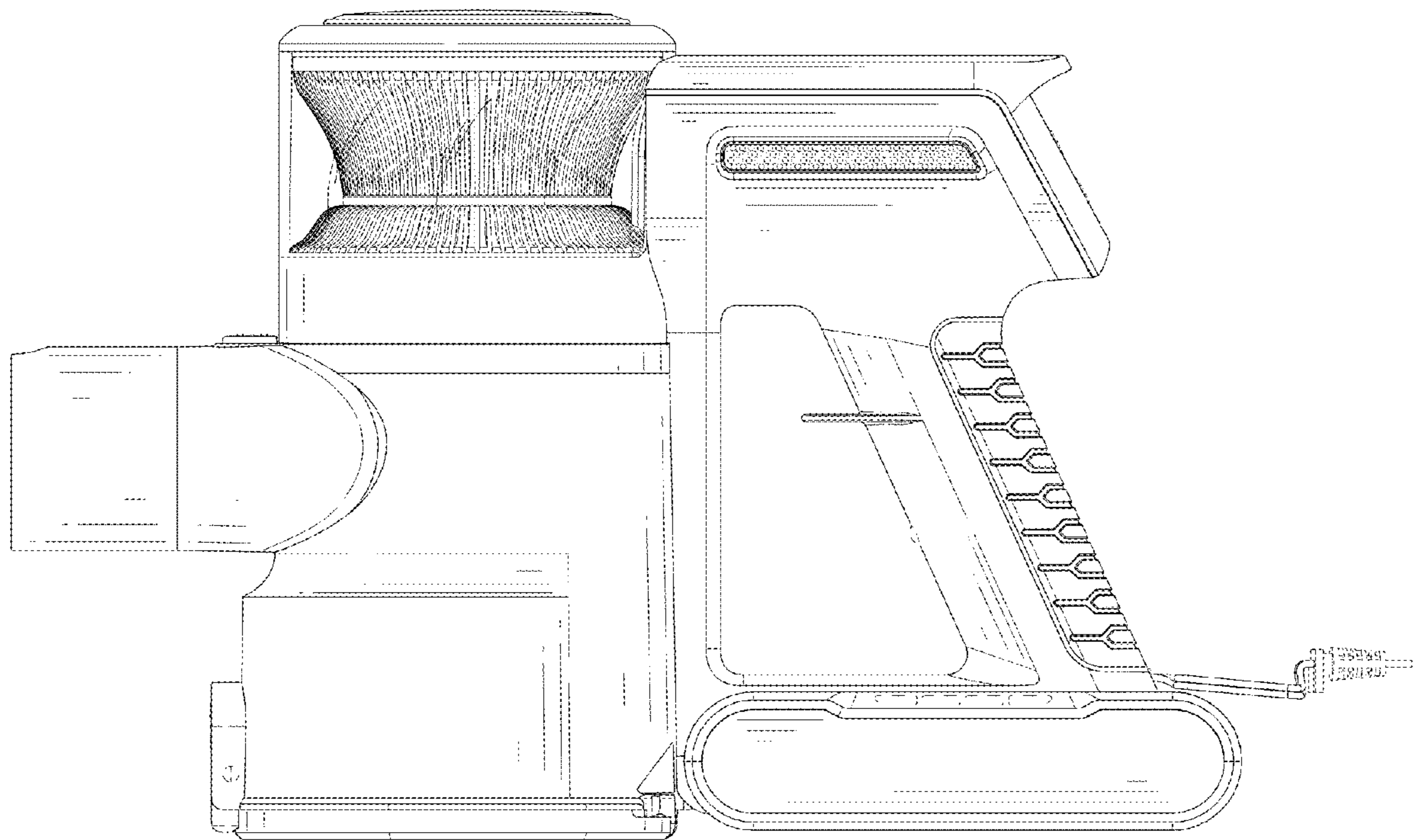


FIG. 3

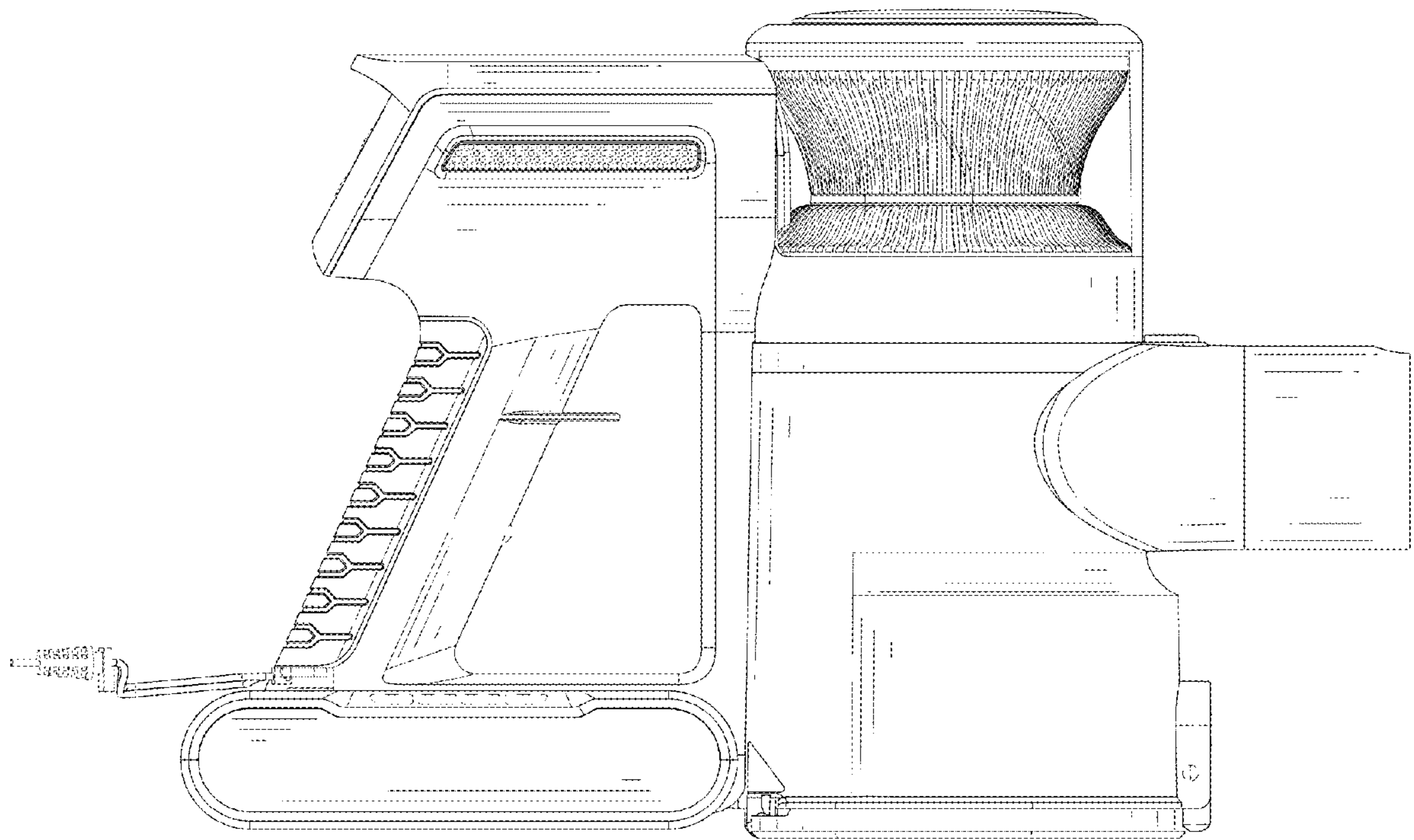


FIG. 4

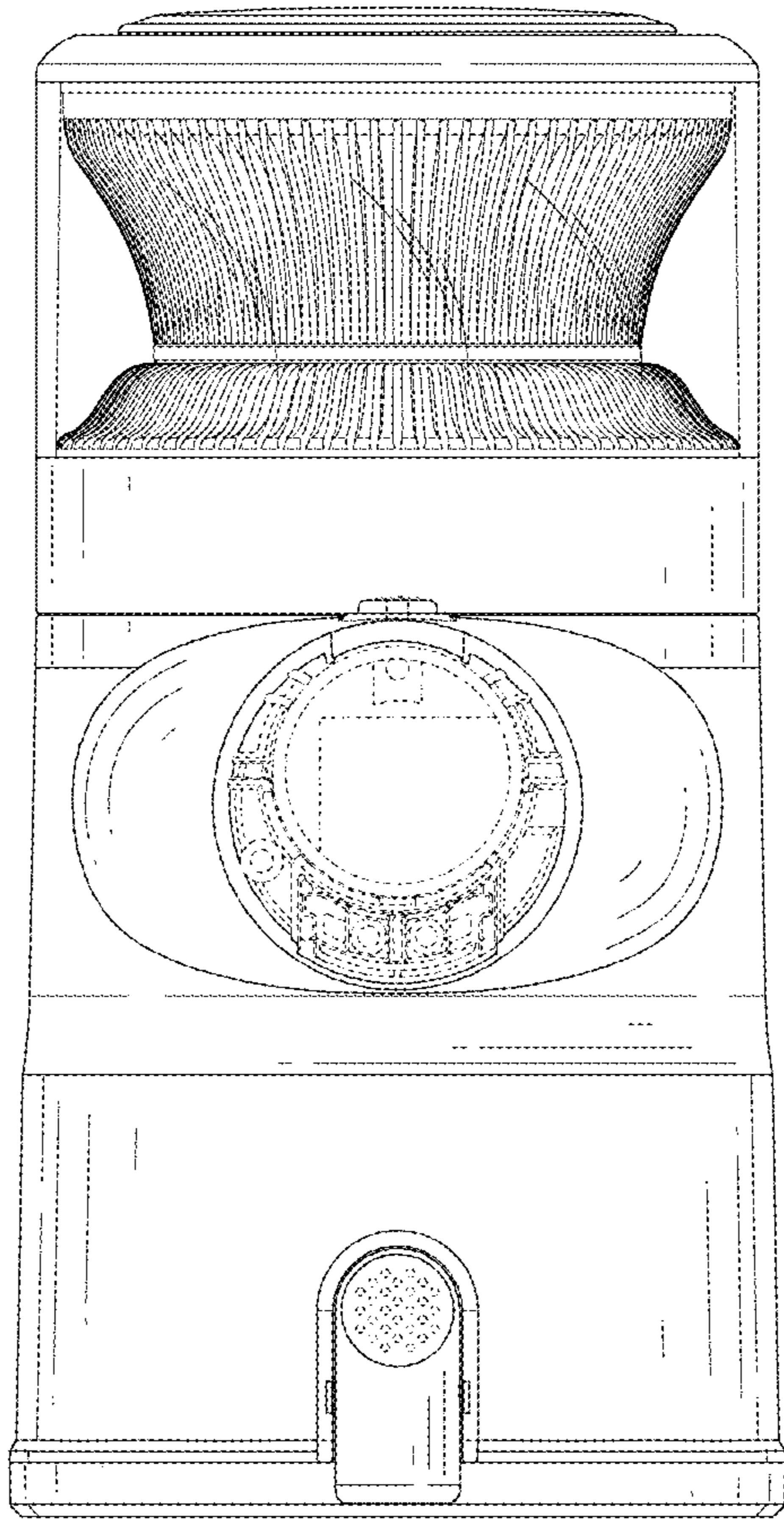


FIG. 5

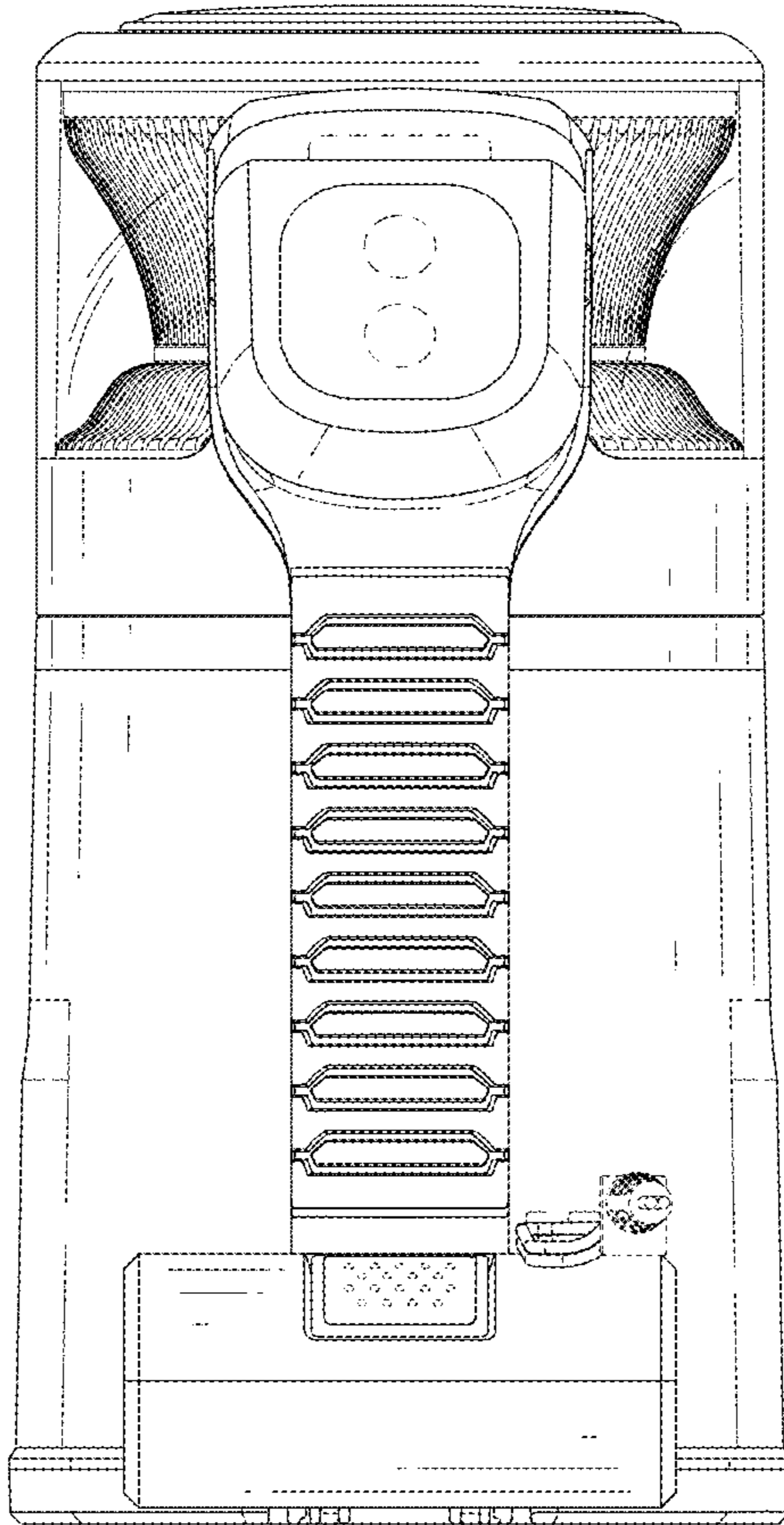


FIG. 6

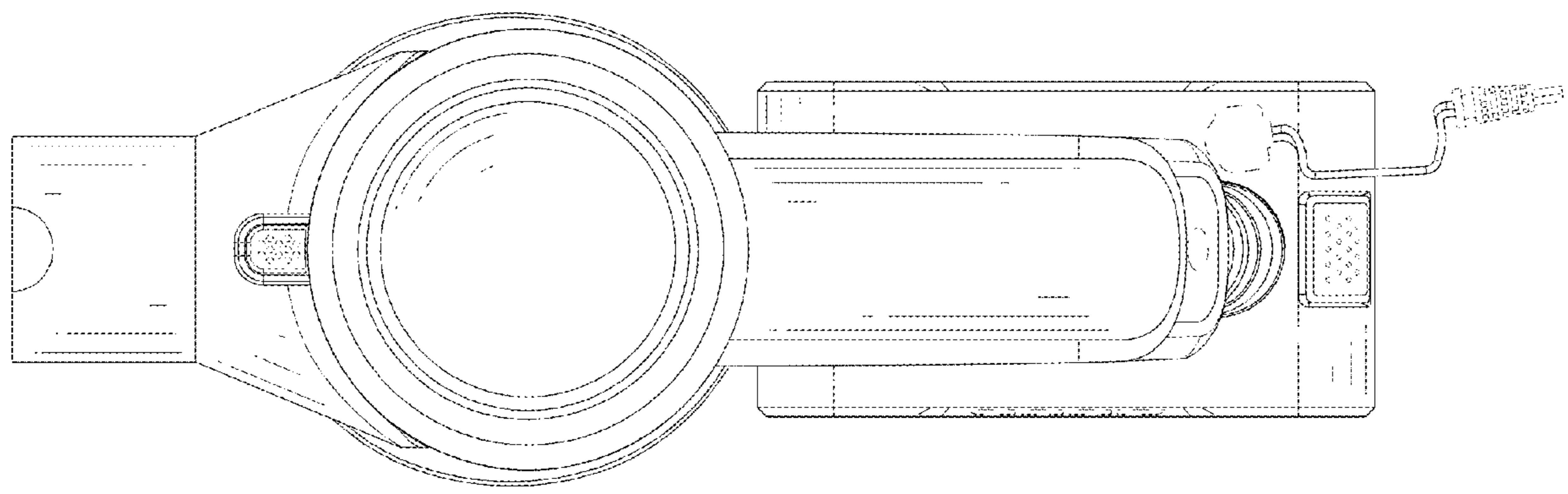


FIG. 7

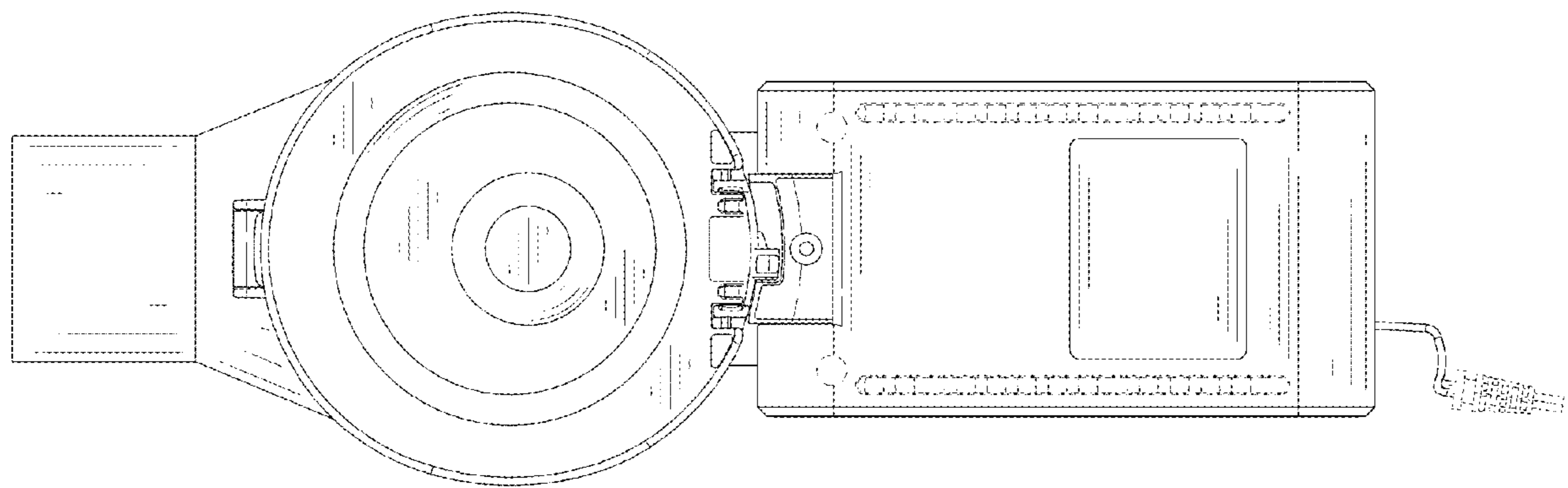


FIG. 8

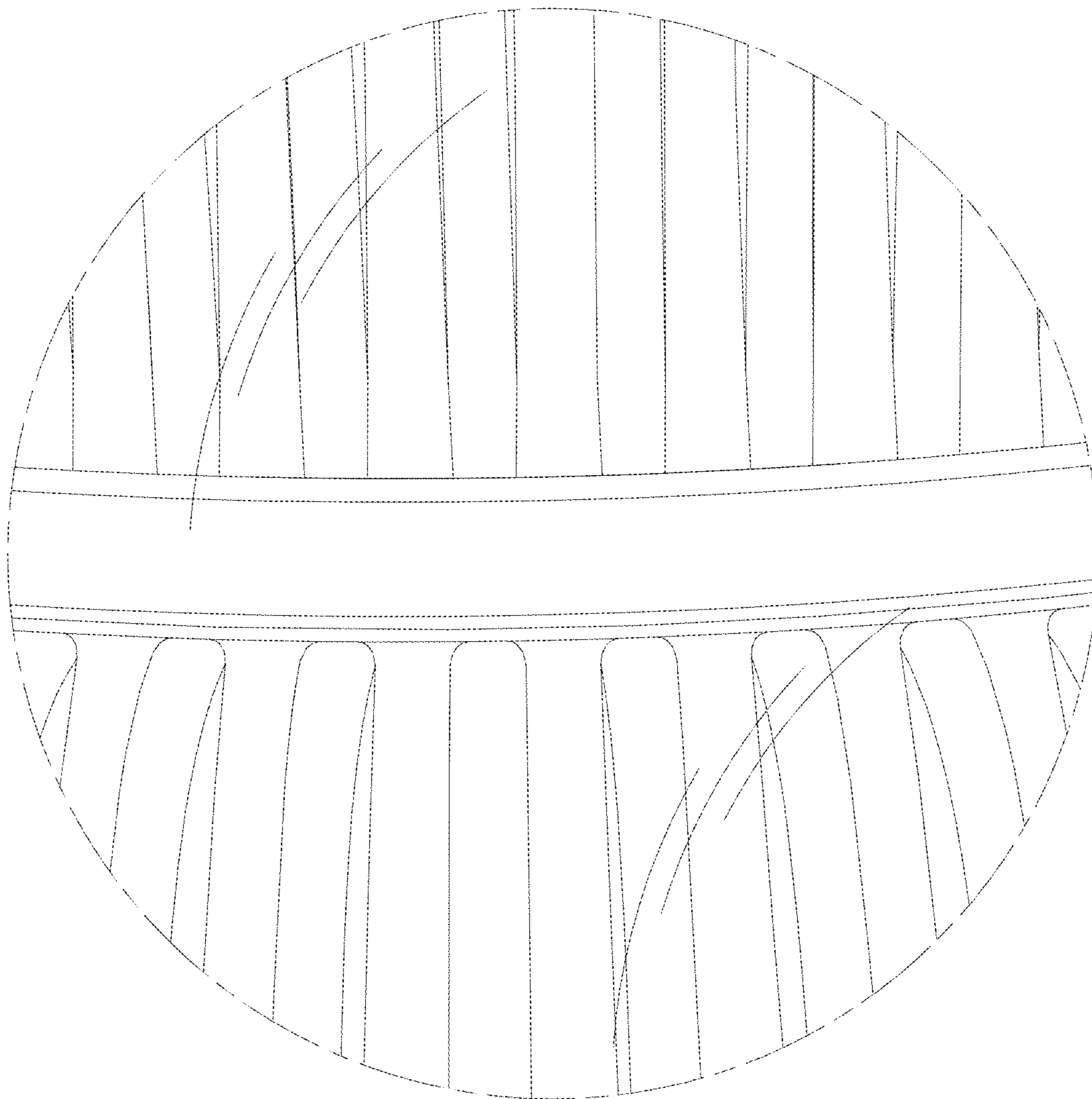


FIG. 9

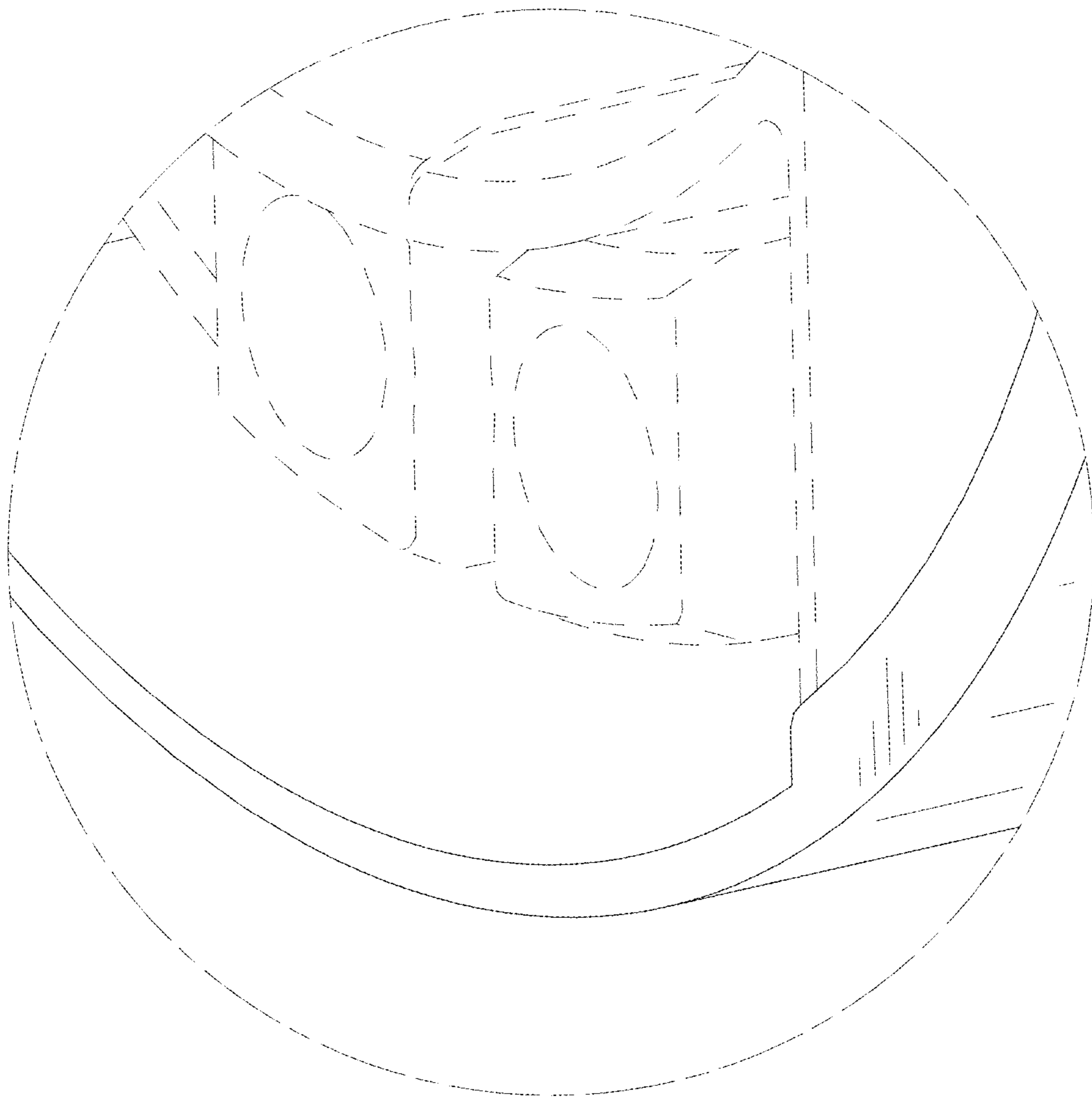


FIG. 10