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(12) **United States Design Patent**
Huang

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(54) **VACUUM CLEANER**

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

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

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9/102; A47L 9/122; A47L 9/127; A47L
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A47L 9/2884; A47L 9/32; A47L 9/322;
B04C 5/185; B08B 3/04; B01D 2279/55;
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4/1636; Y10T 29/49716
See application file for complete search history.

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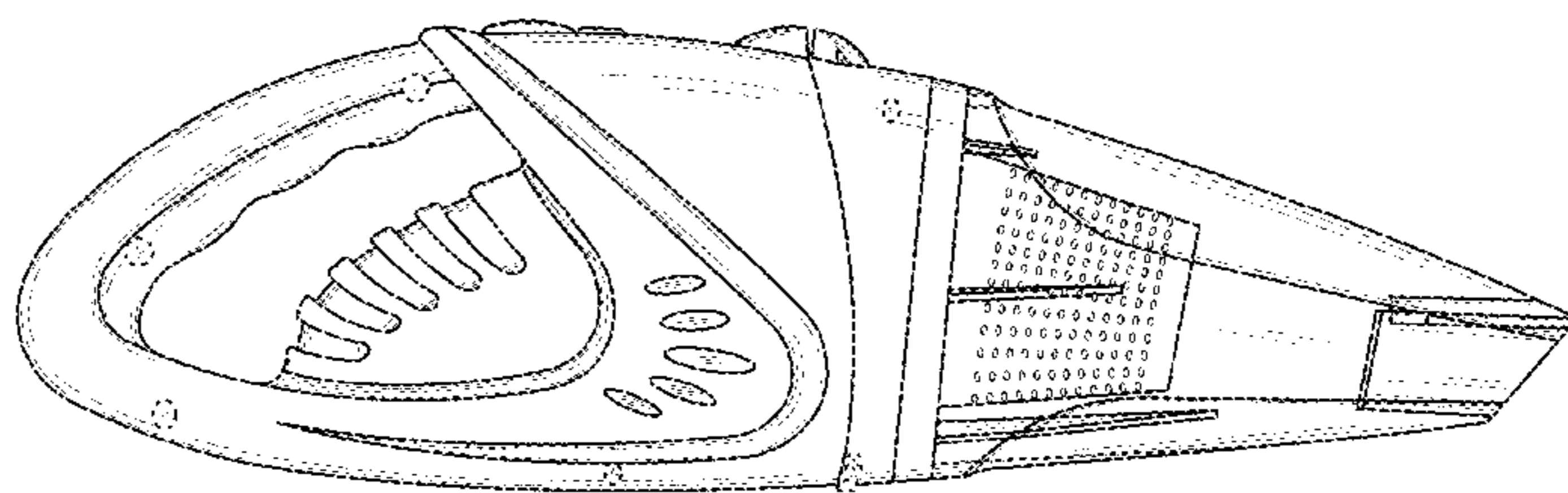
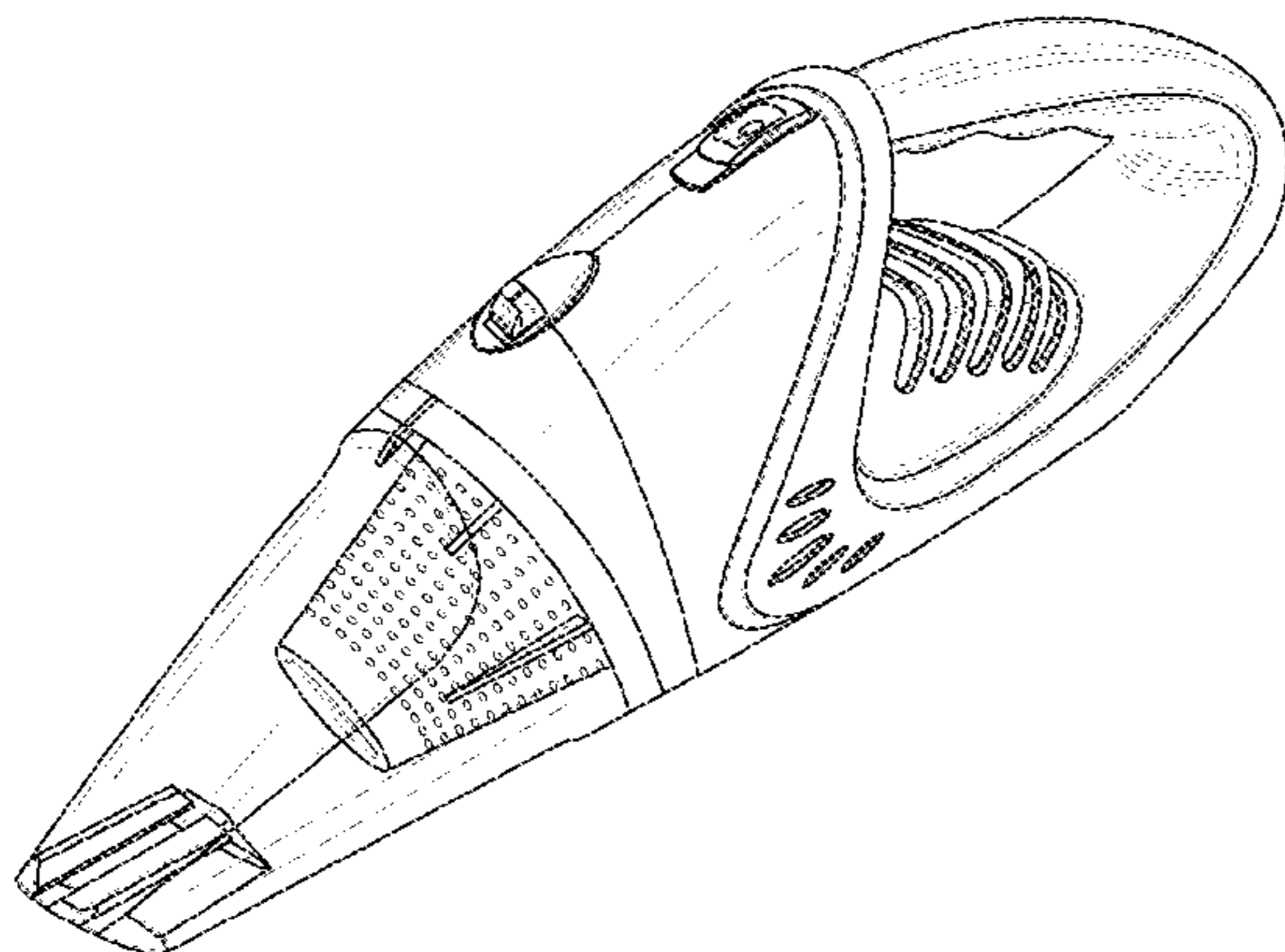
(57) **CLAIM**

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

DESCRIPTION

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

1 Claim, 7 Drawing Sheets



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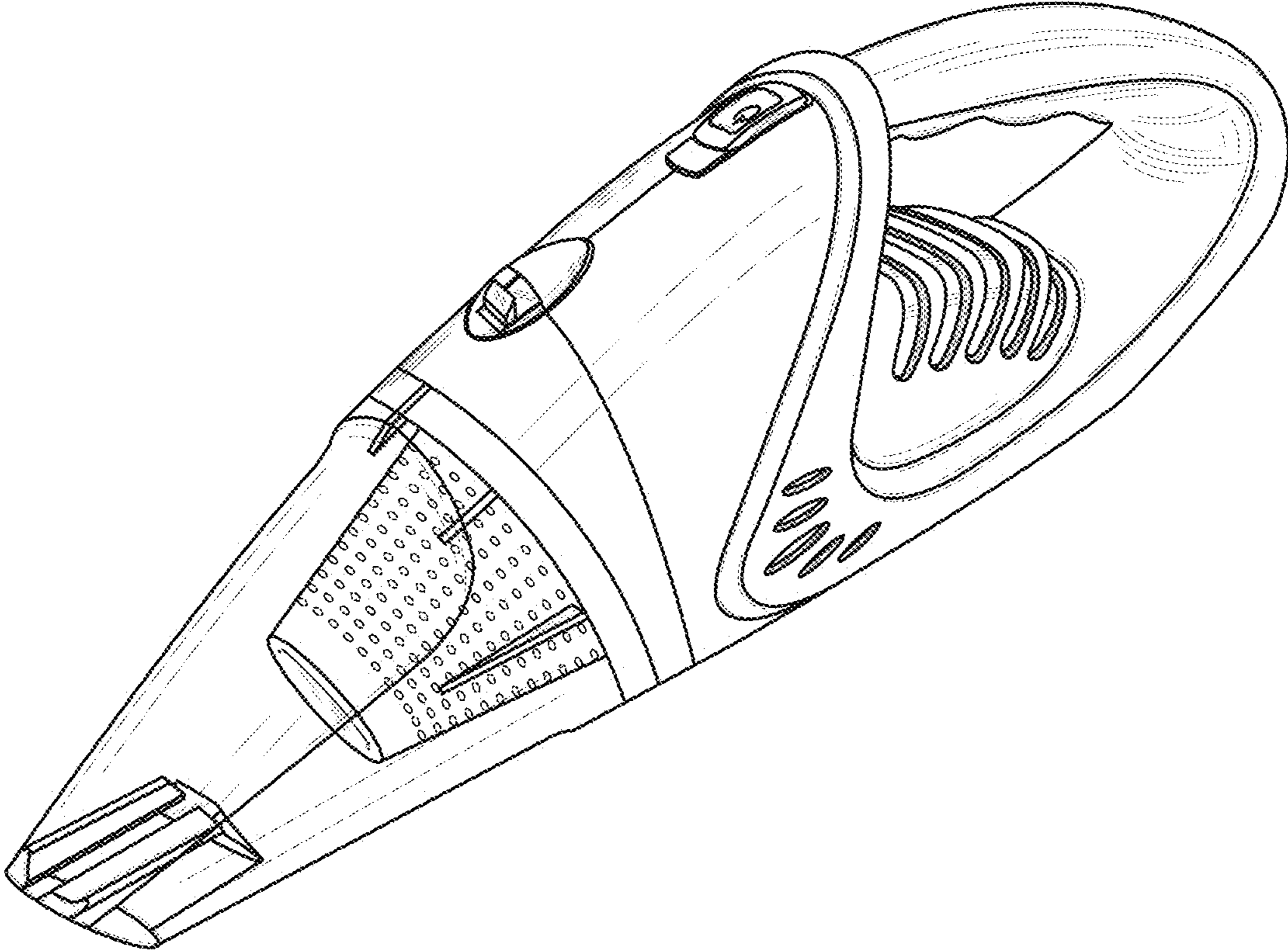


FIG.1

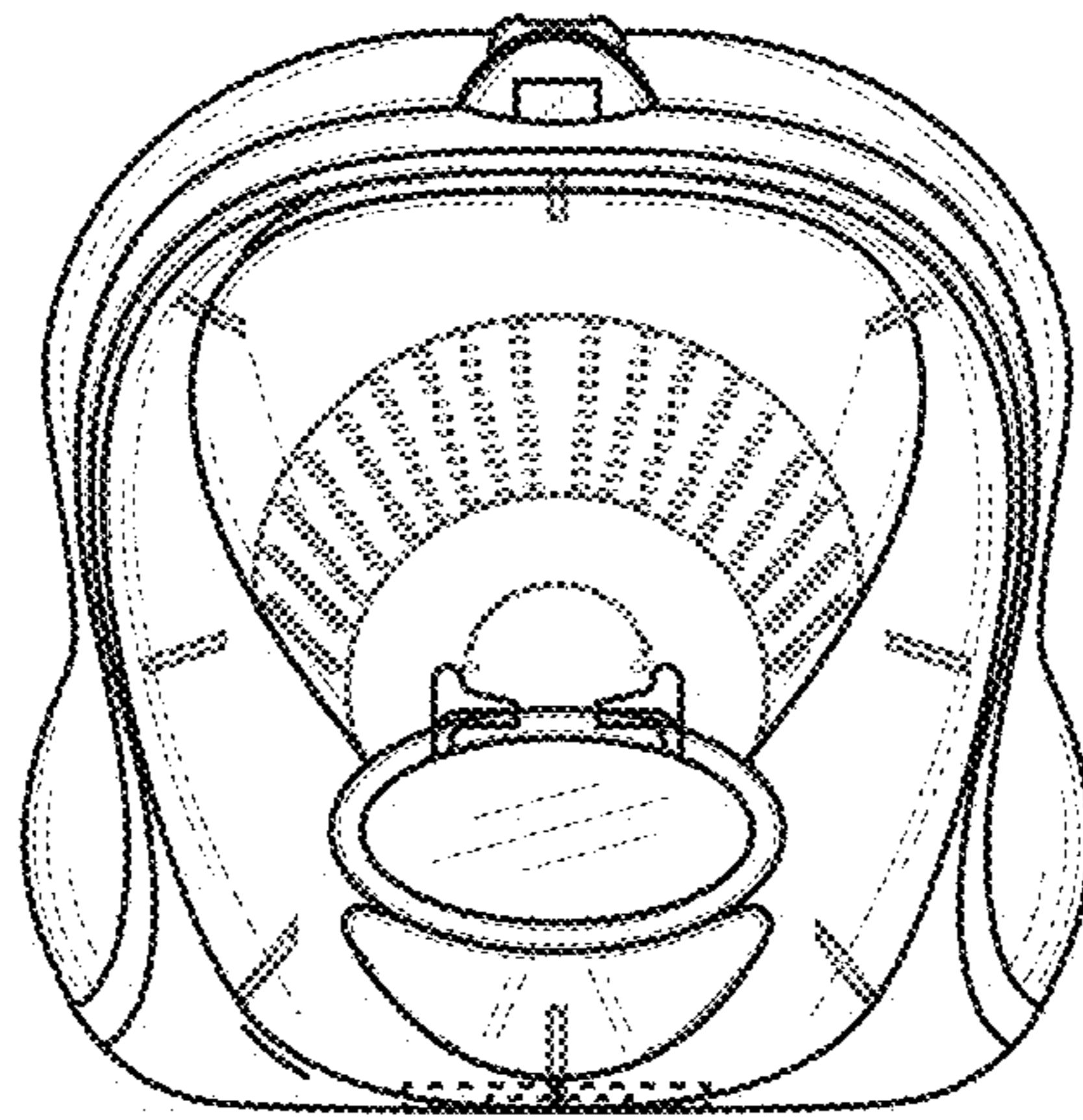


FIG.2

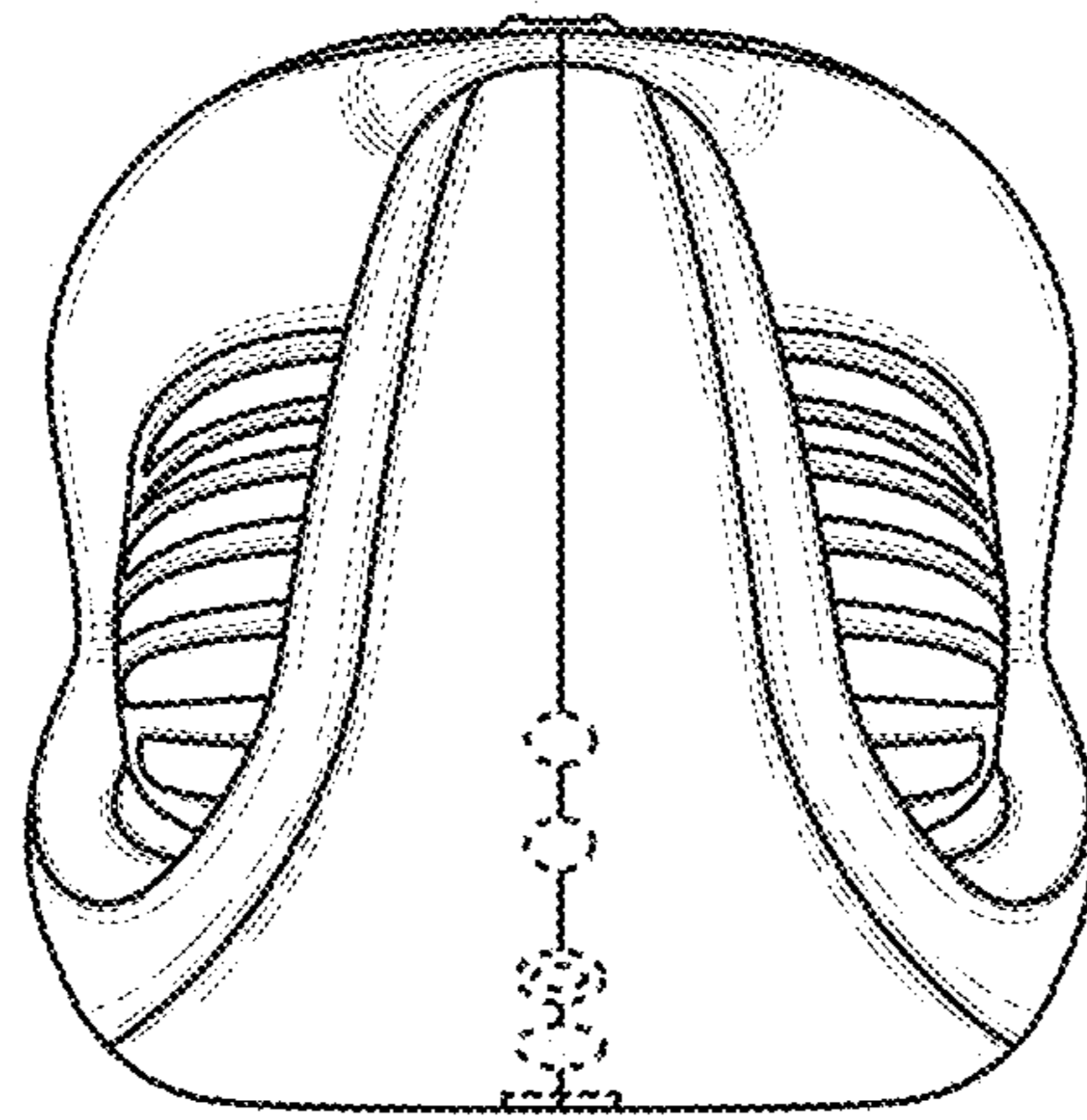


FIG.3

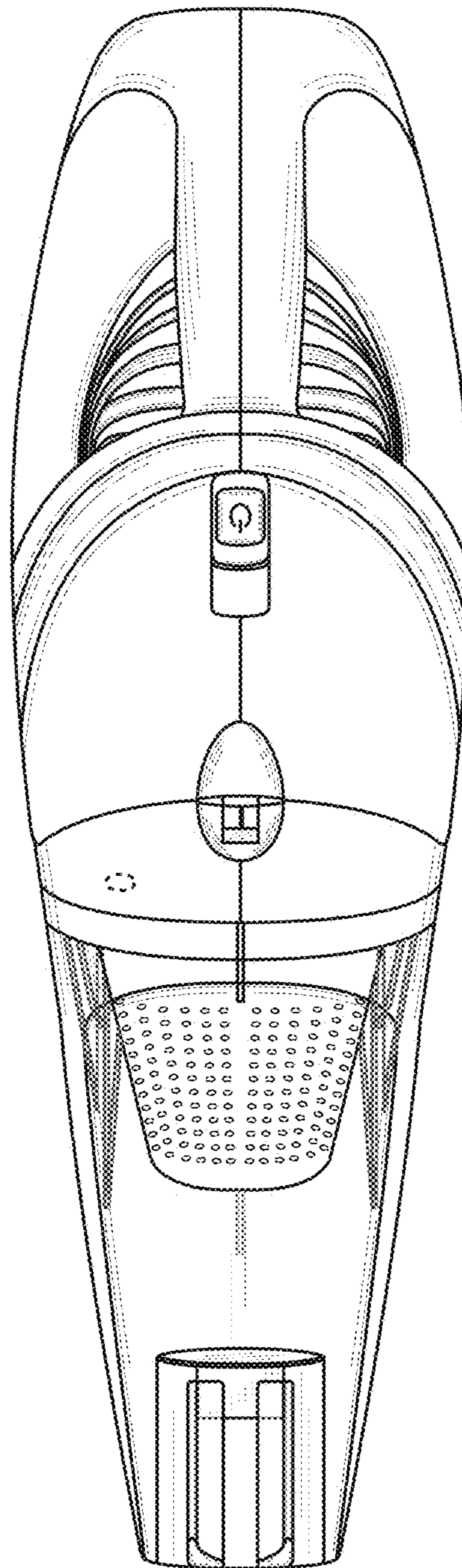


FIG.4

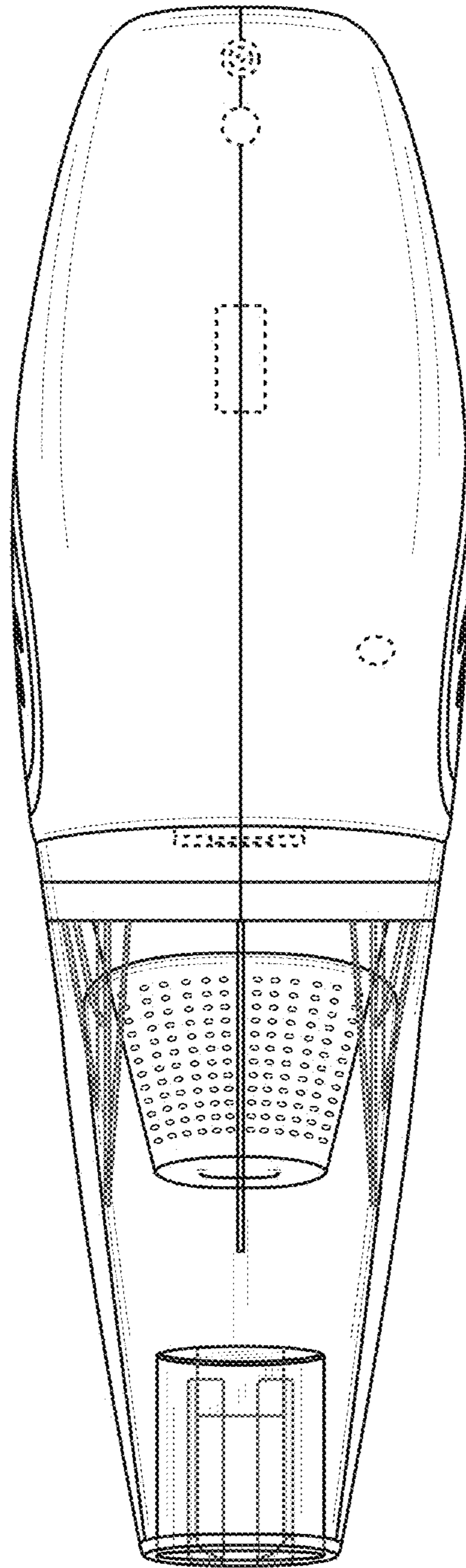


FIG.5

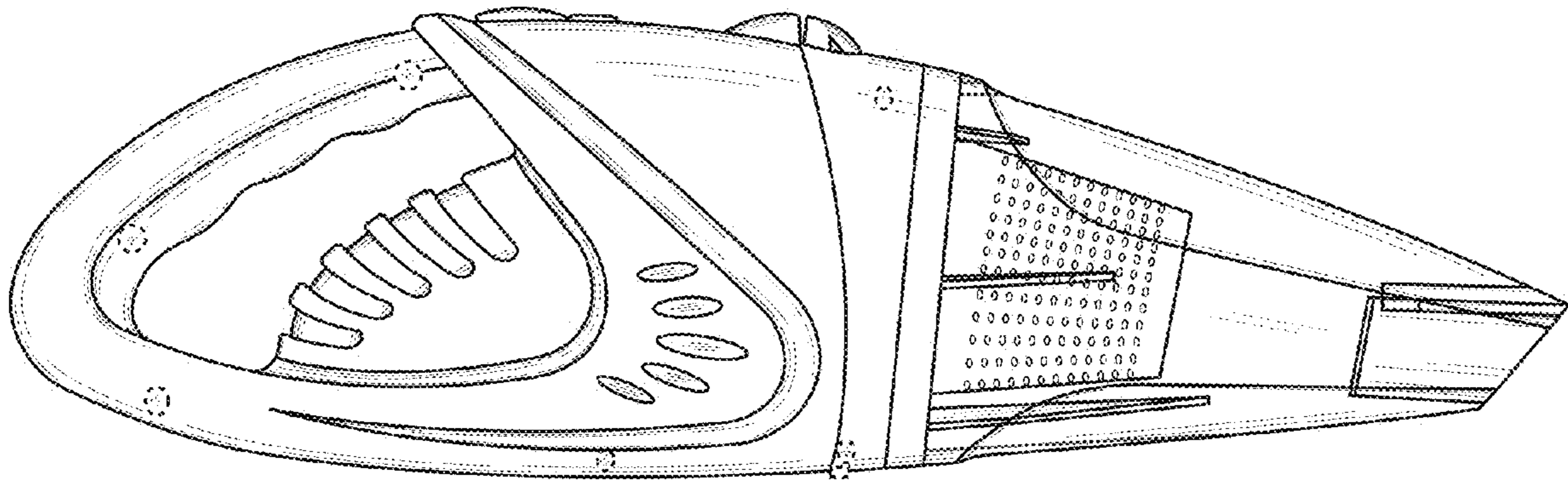


FIG.6

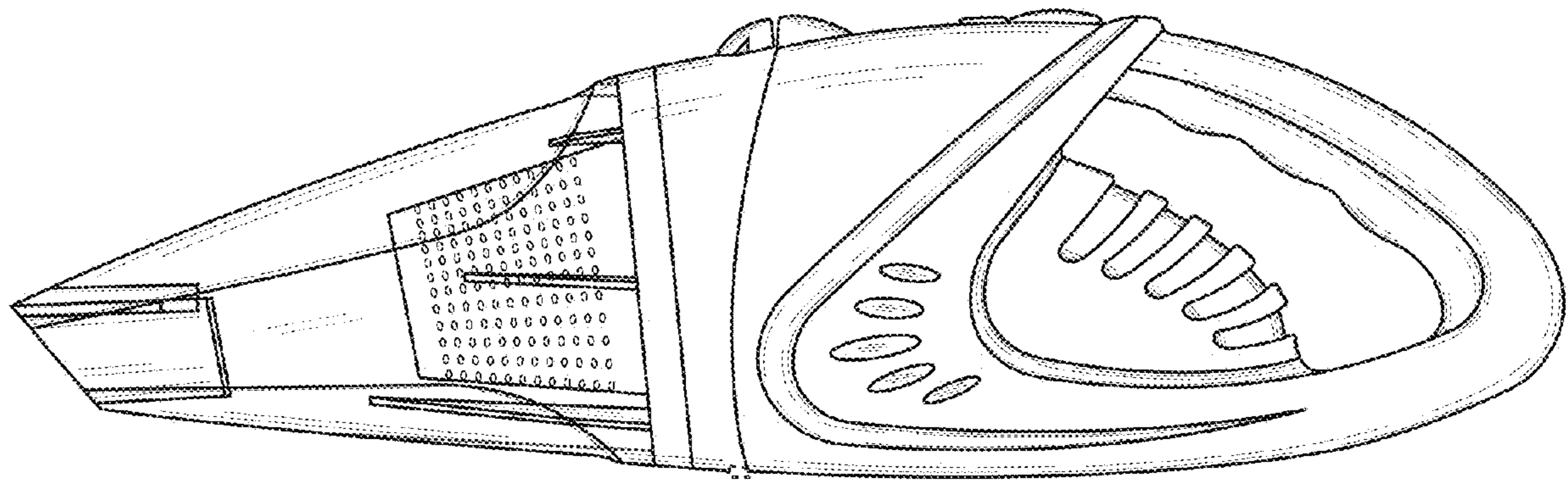


FIG.7