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

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(54) **VACUUM CLEANER**

(71) Applicant: **Ningbo Zhongyou Electronic Technology Co., Ltd, Ningbo (CN)**

(72) Inventor: **Qiong Tang, Ningbo (CN)**

(73) Assignee: **Ningbo Zhongyou Electronics Technology CO., LTD. (CN)**

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

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

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

(58) **Field of Classification Search**
USPC D32/17, 18, 22, 31
CPC ... A47L 5/24; A47L 5/362; A47L 5/36; A47L 5/28; A47L 9/102; A47L 9/1683; B01D 50/002
See application file for complete search history.

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Primary Examiner — Ruth McInroy

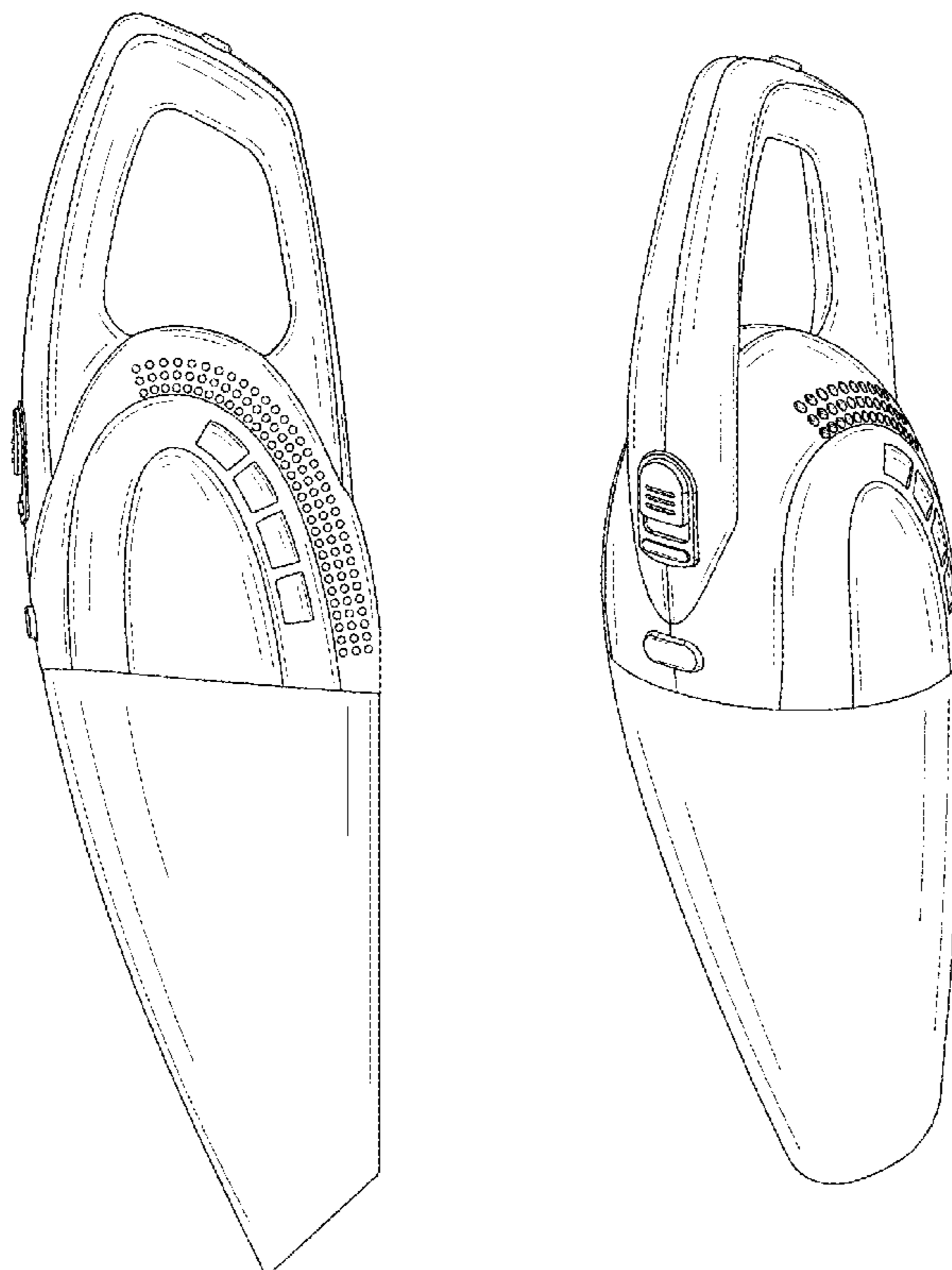
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front view of the vacuum cleaner showing my new design;
FIG. 2 is a back view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a perspective view thereof; and,
FIG. 8 is another perspective view thereof.
The details shown in broken lines form no part of the claimed design.

1 Claim, 7 Drawing Sheets



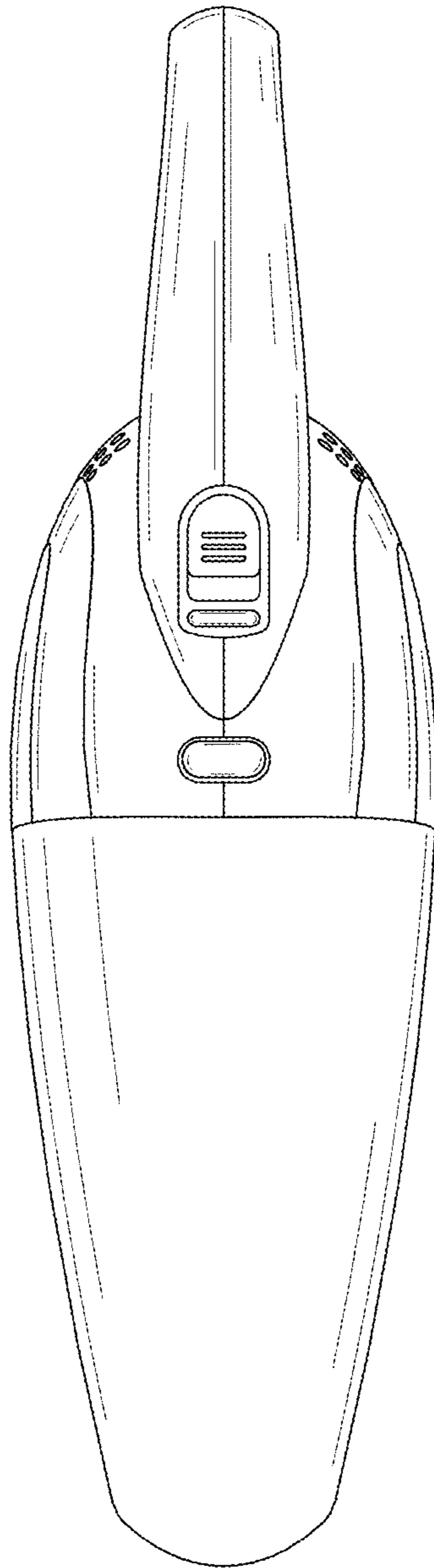


Fig.1

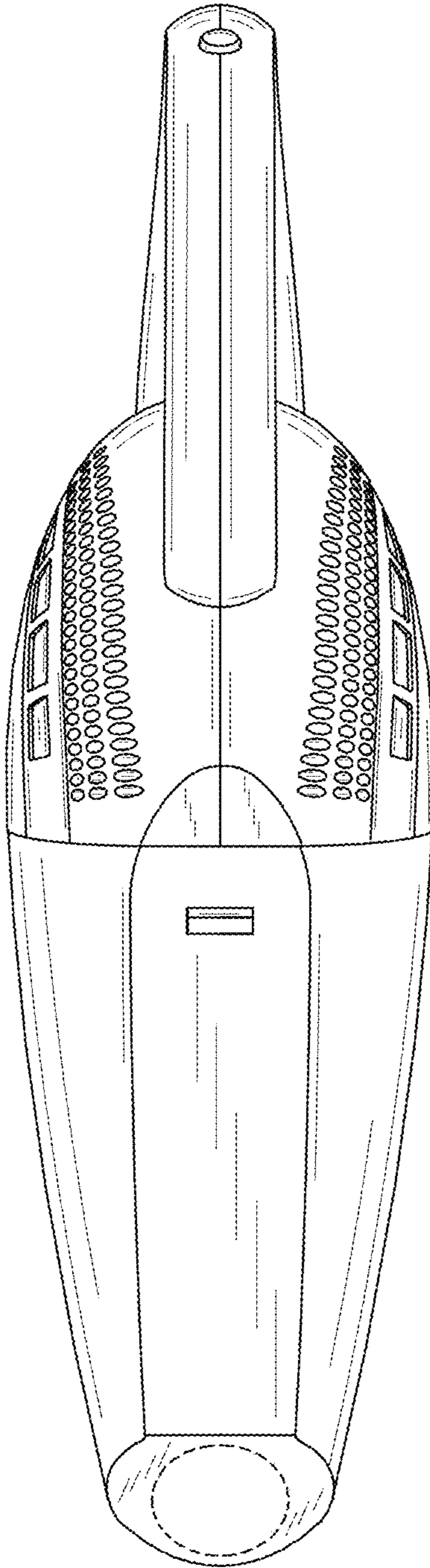


Fig.2

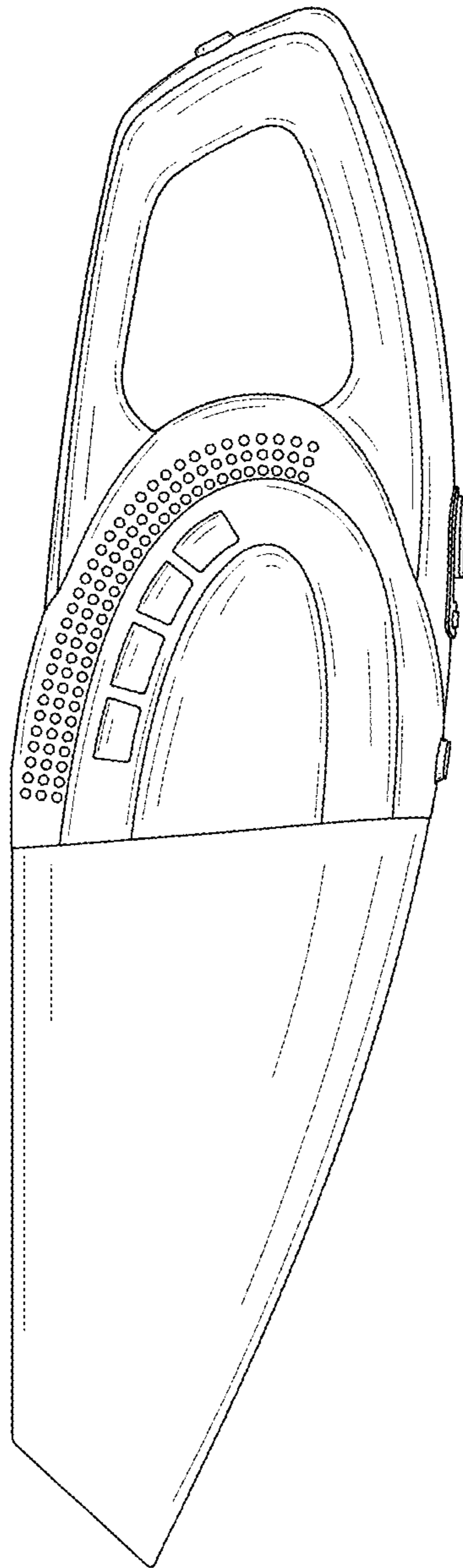


Fig3

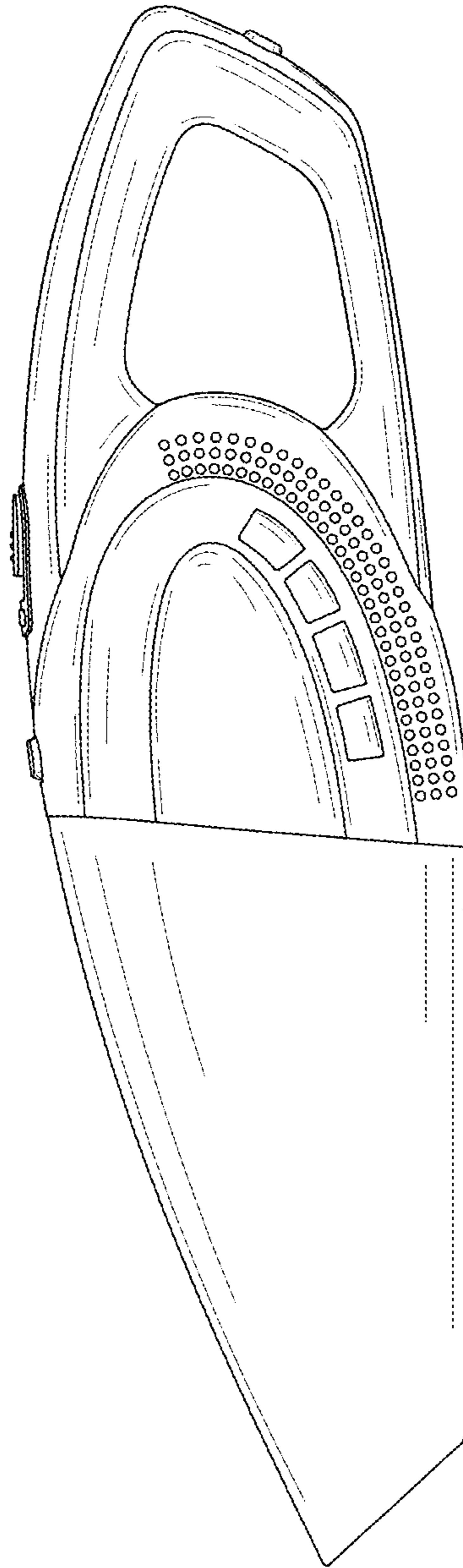


Fig.4

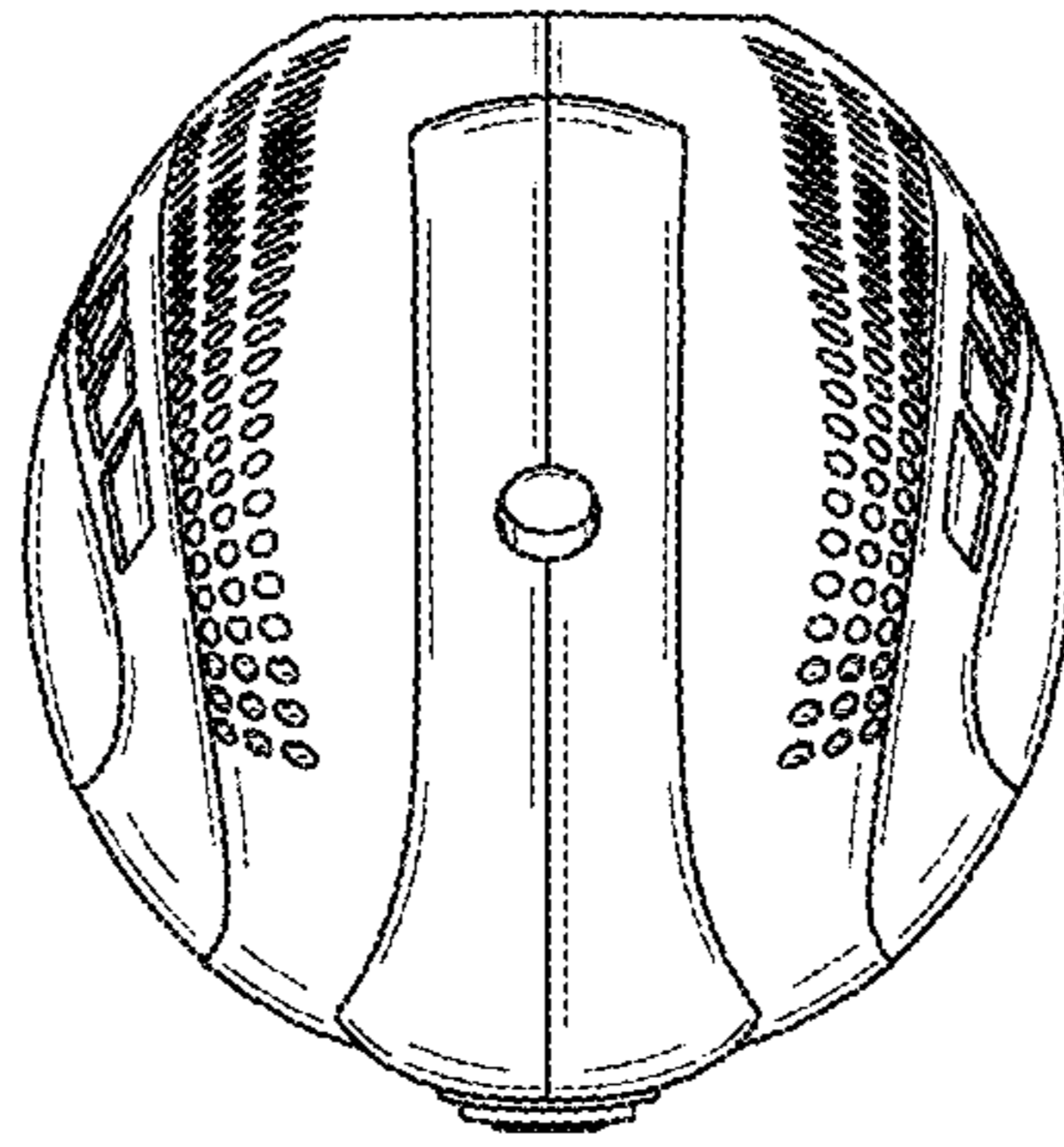


Fig.5

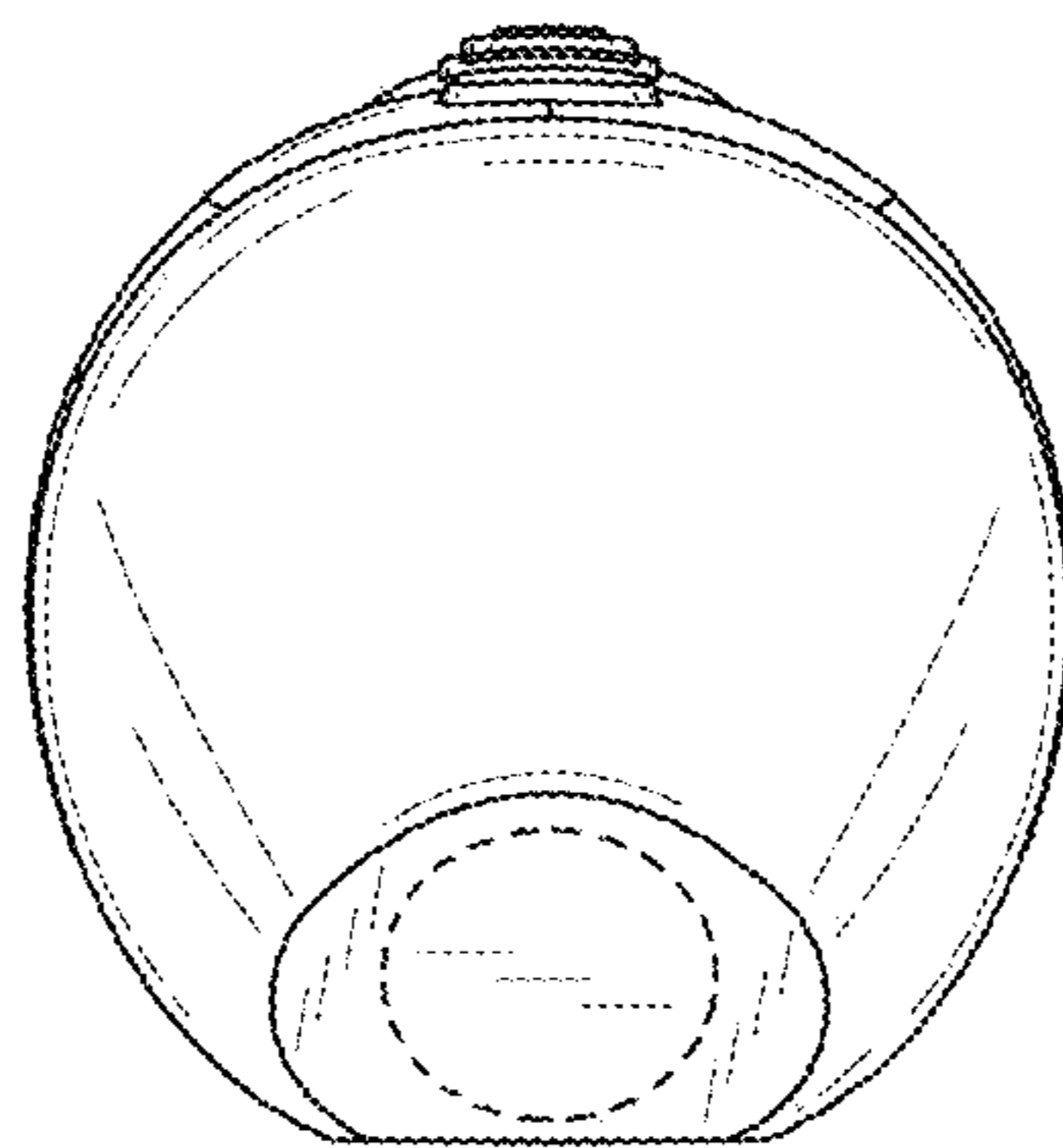


Fig.6

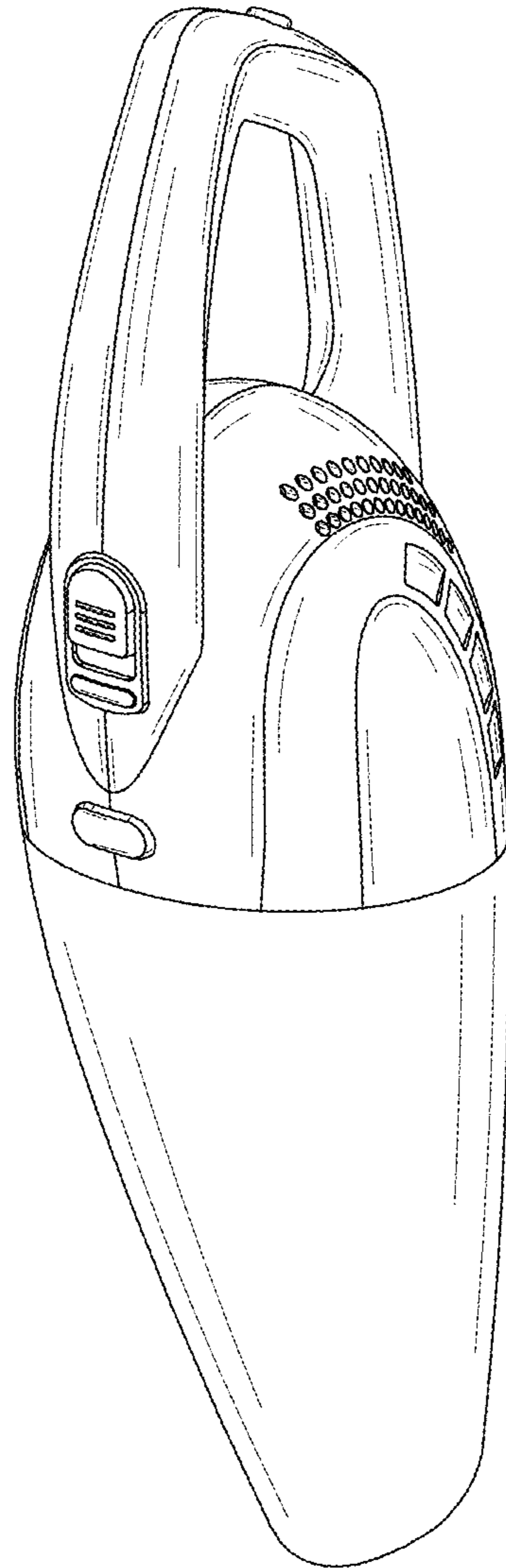


Fig.7

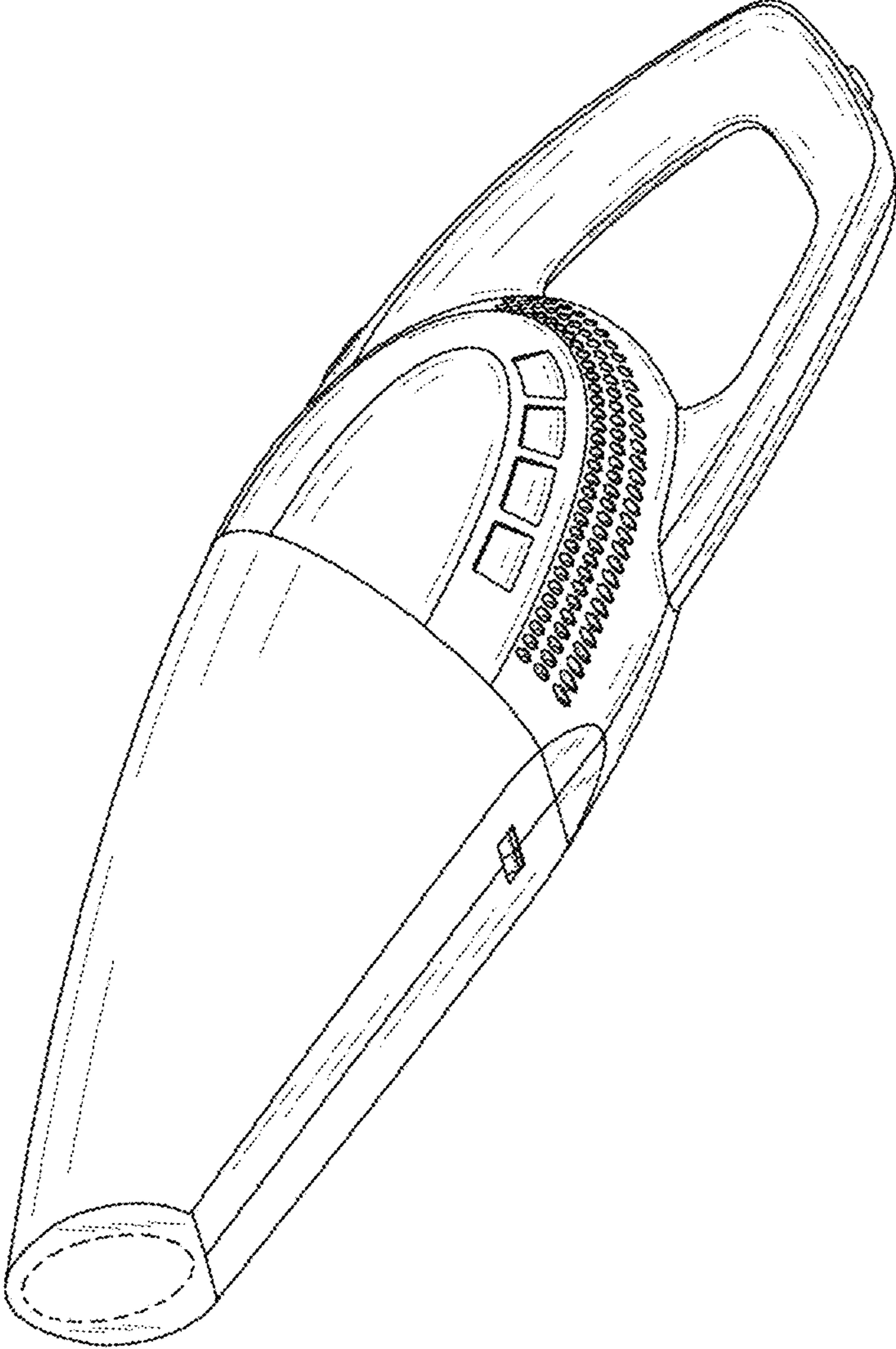


Fig.8