



US00D475490S

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

(10) **Patent No.:** **US D475,490 S**

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(54) **MINI-VACUUM CLEANER**

(75) **Inventor:** **Lung Wai Choi, Kowloon (HK)**

(73) **Assignee:** **Goodway Electrical Company Limited, Kowloon (HK)**

(\*\*) **Term:** **14 Years**

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(51) **LOC (7) Cl.** ..... **15-05**

(52) **U.S. Cl.** ..... **D32/17**

(58) **Field of Search** ..... D32/17-18, 25,  
D32/31; 15/344, 329, 402; D4/102, 127,  
128

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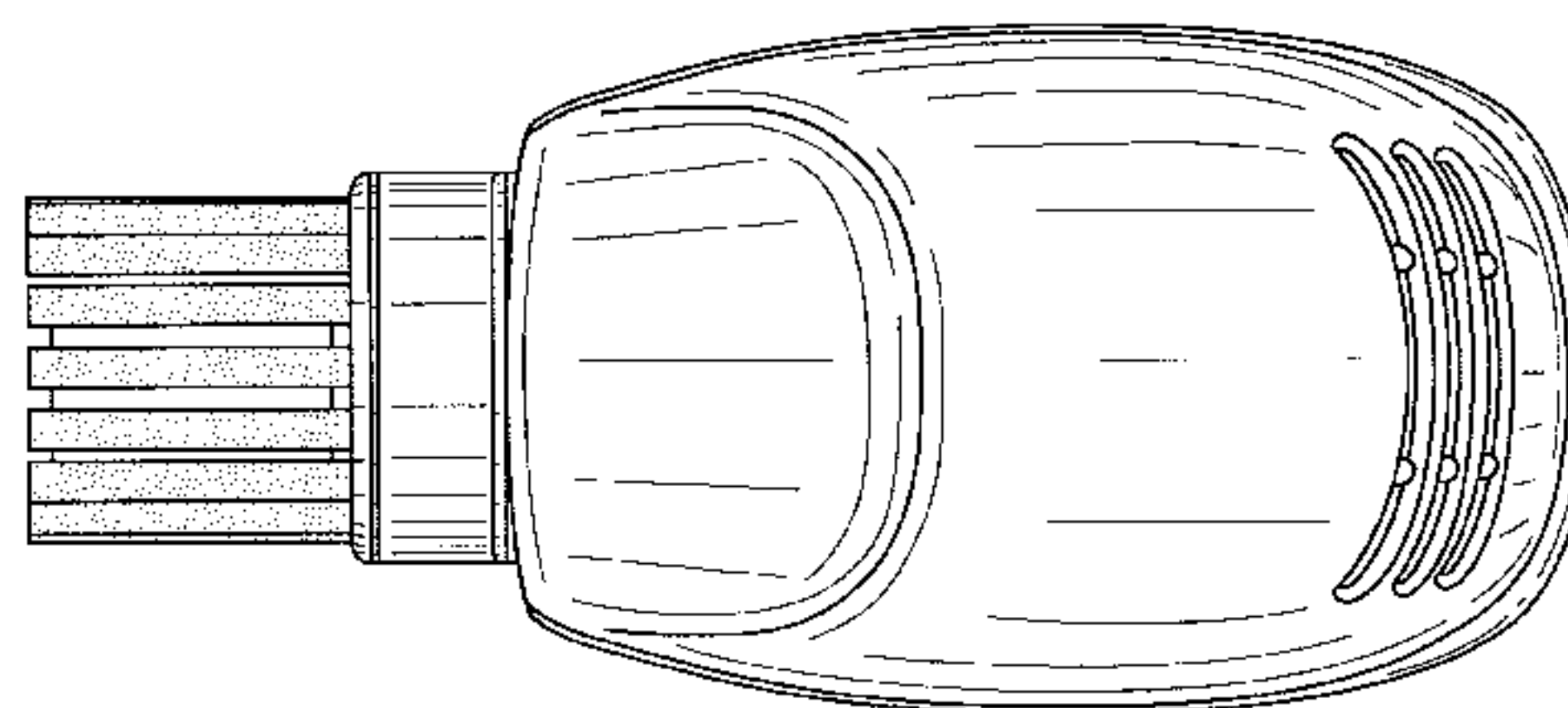
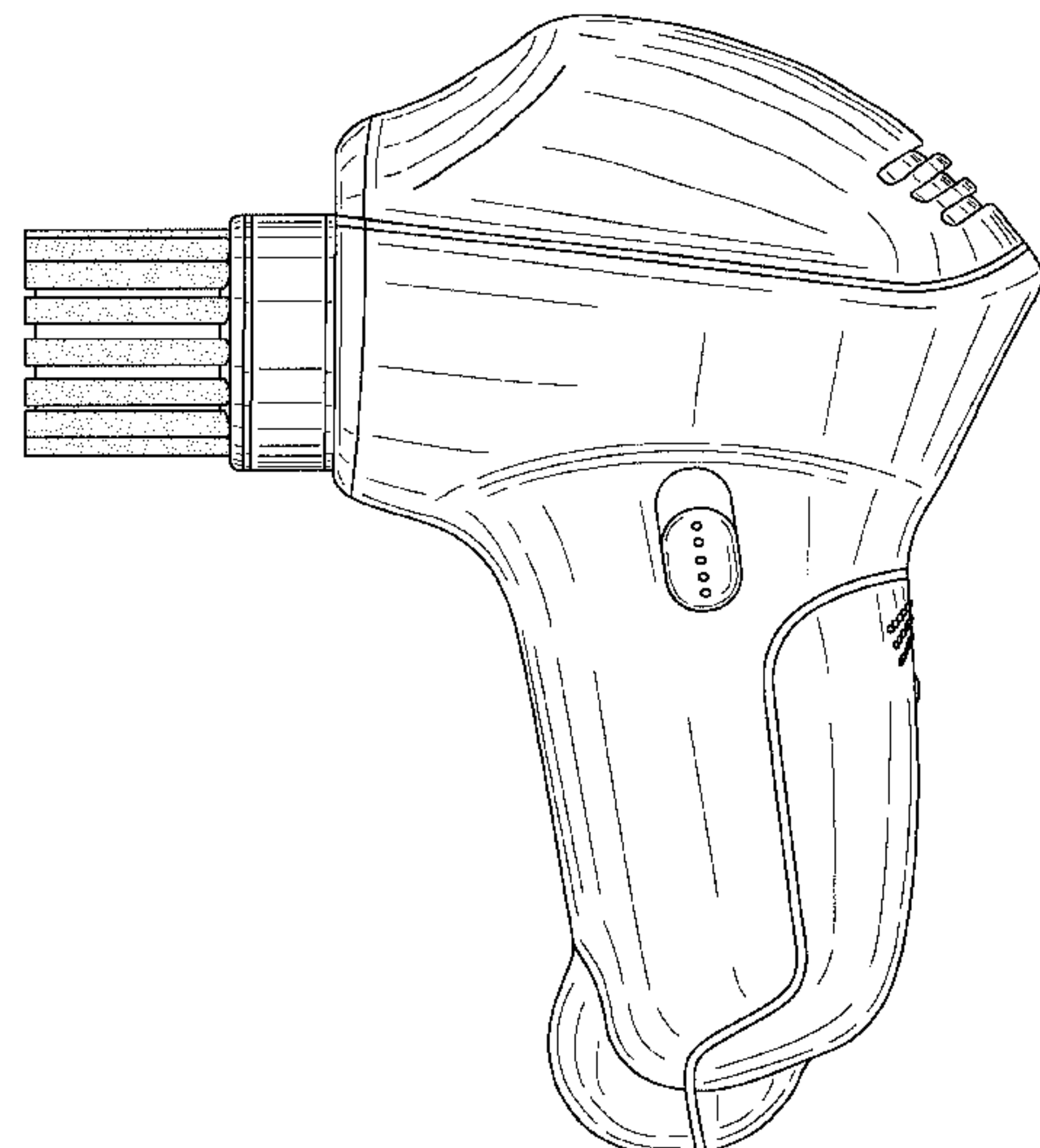
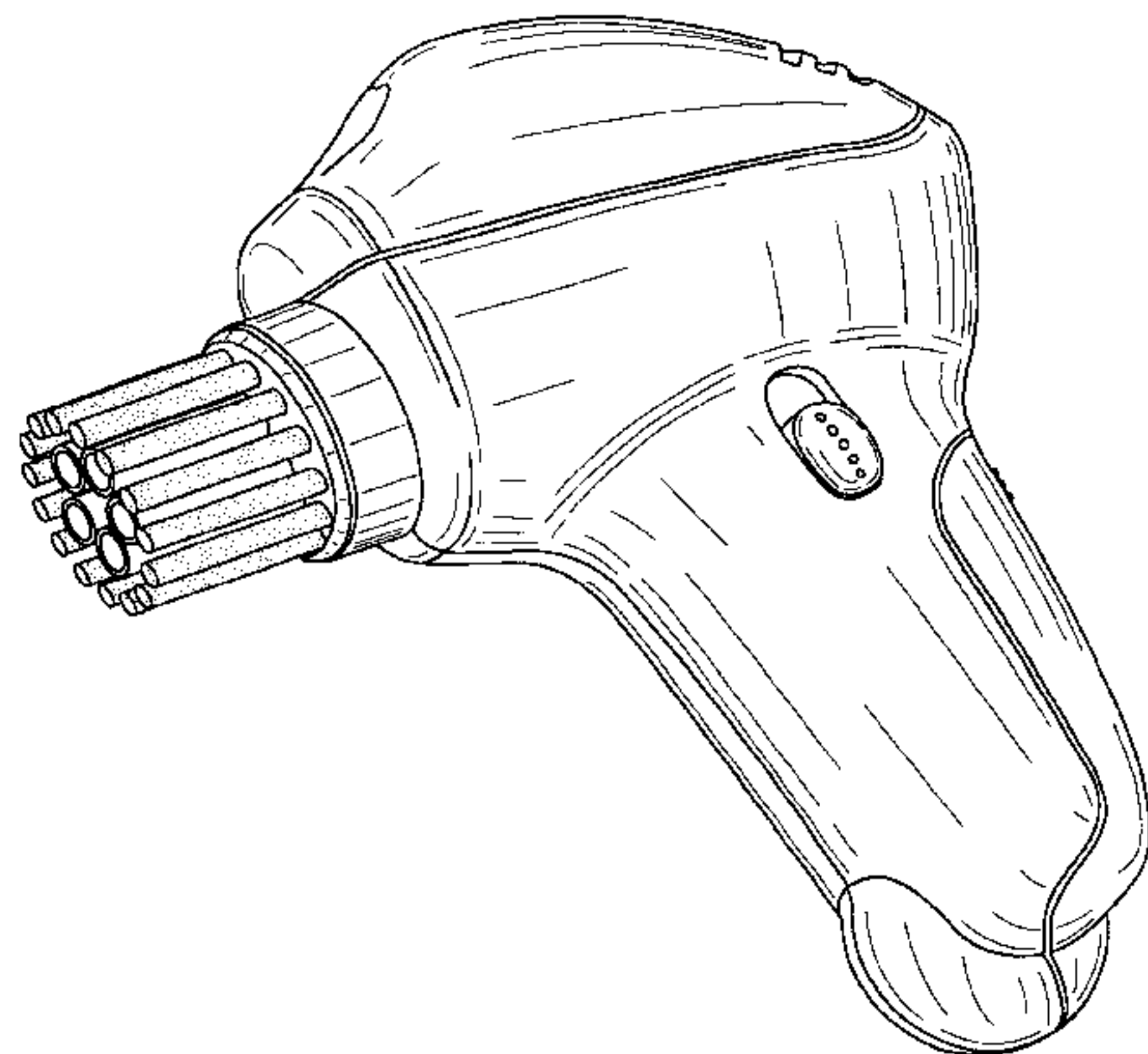
(57) **CLAIM**

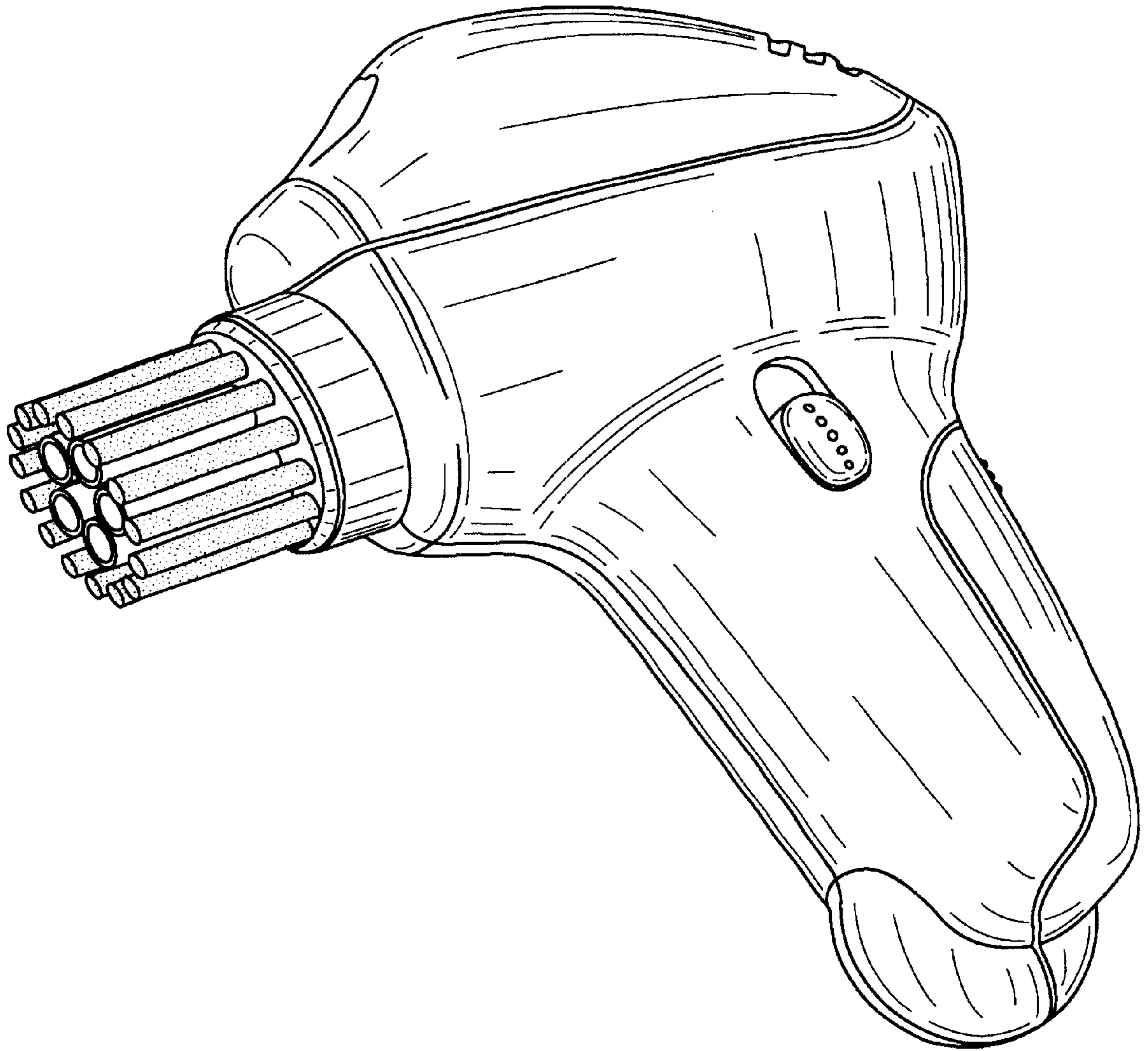
The ornamental design for mini-vacuum cleaner, as shown and described.

**DESCRIPTION**

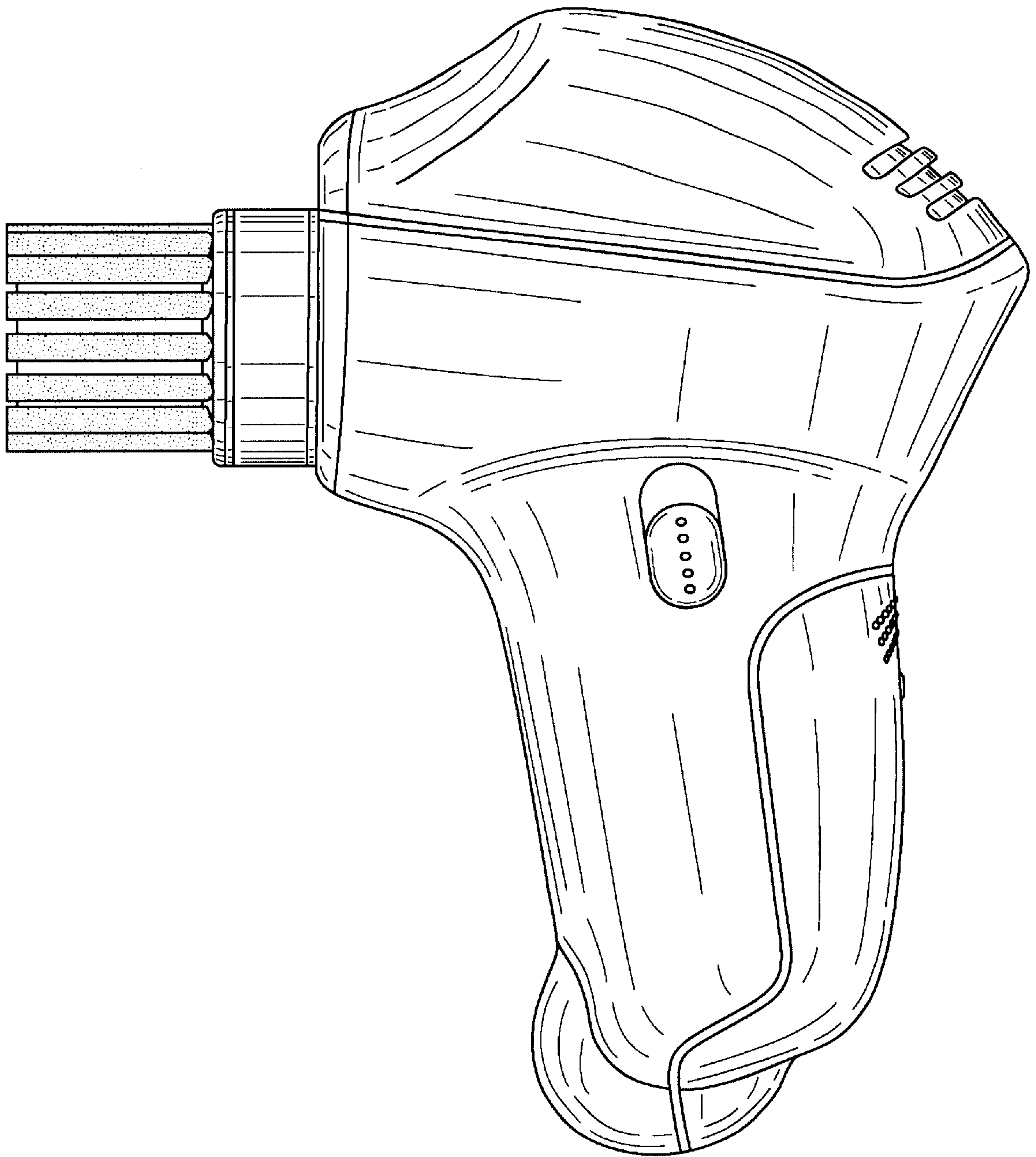
FIG. 1 is a front perspective view of a mini-vacuum cleaner showing my new design;  
FIG. 2 is a left side elevational view thereof;  
FIG. 3 is a right side elevational view thereof;  
FIG. 4 is a front elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.

**1 Claim, 7 Drawing Sheets**

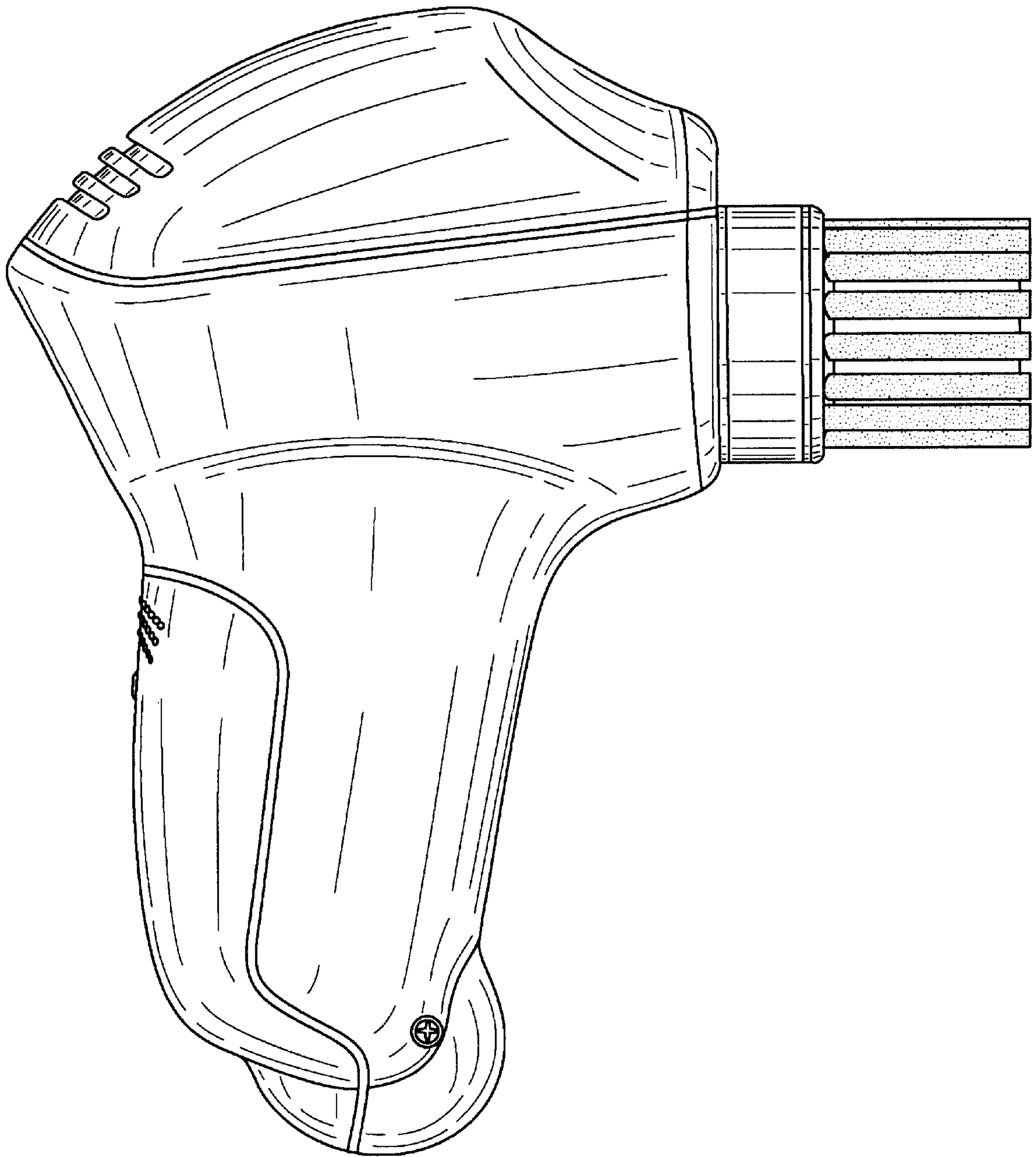




**FIG. 1**

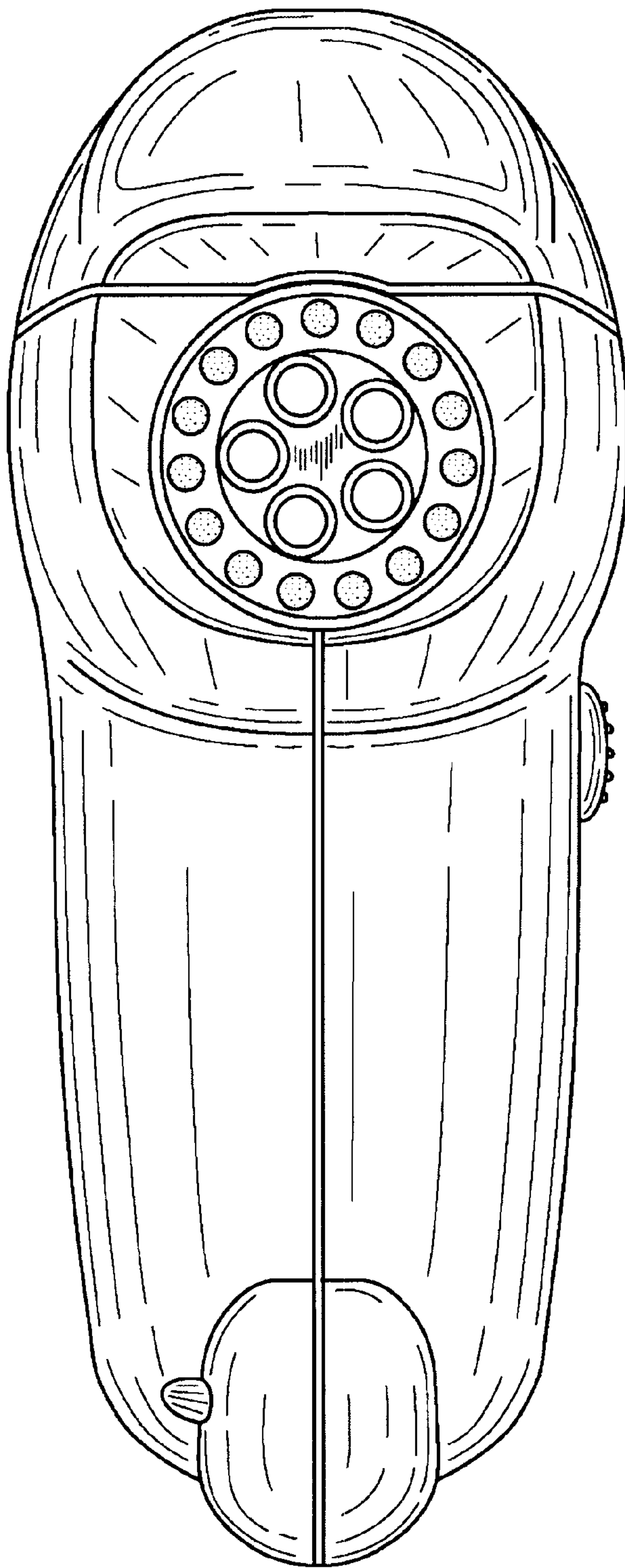


**FIG. 2**

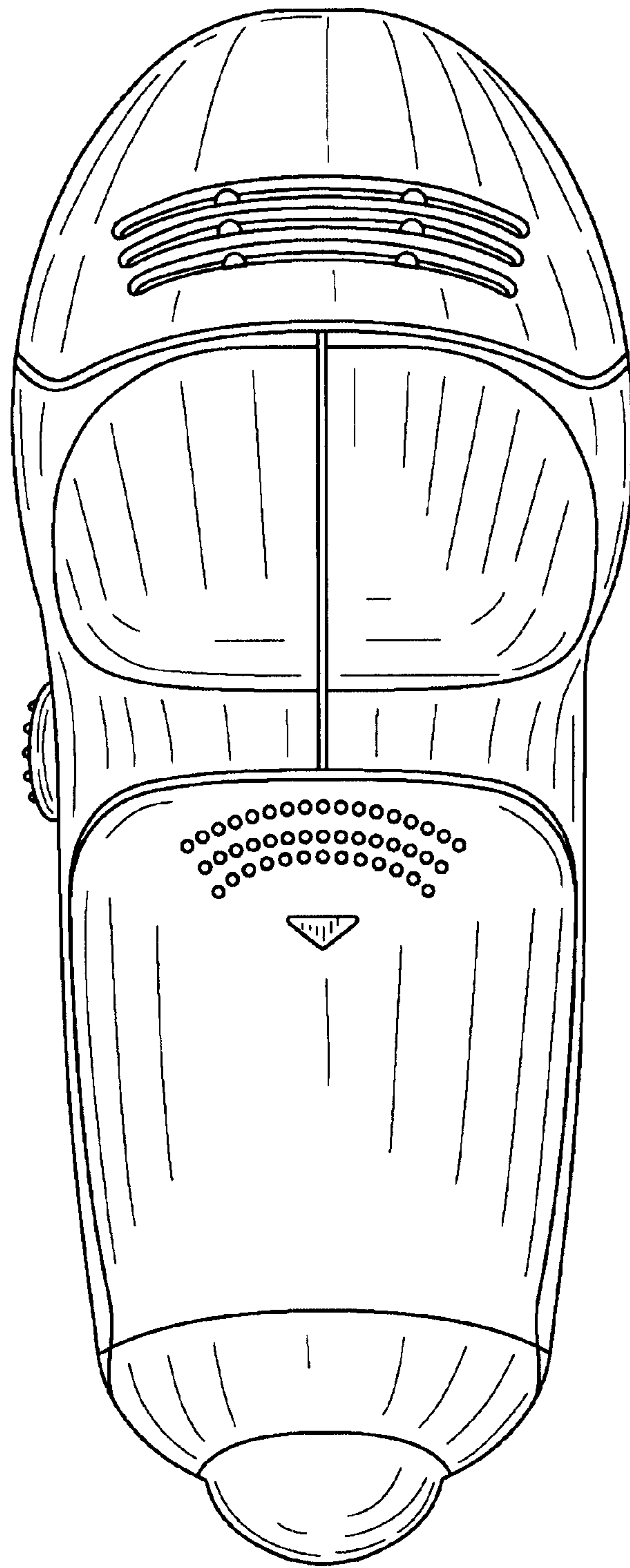


**FIG. 3**

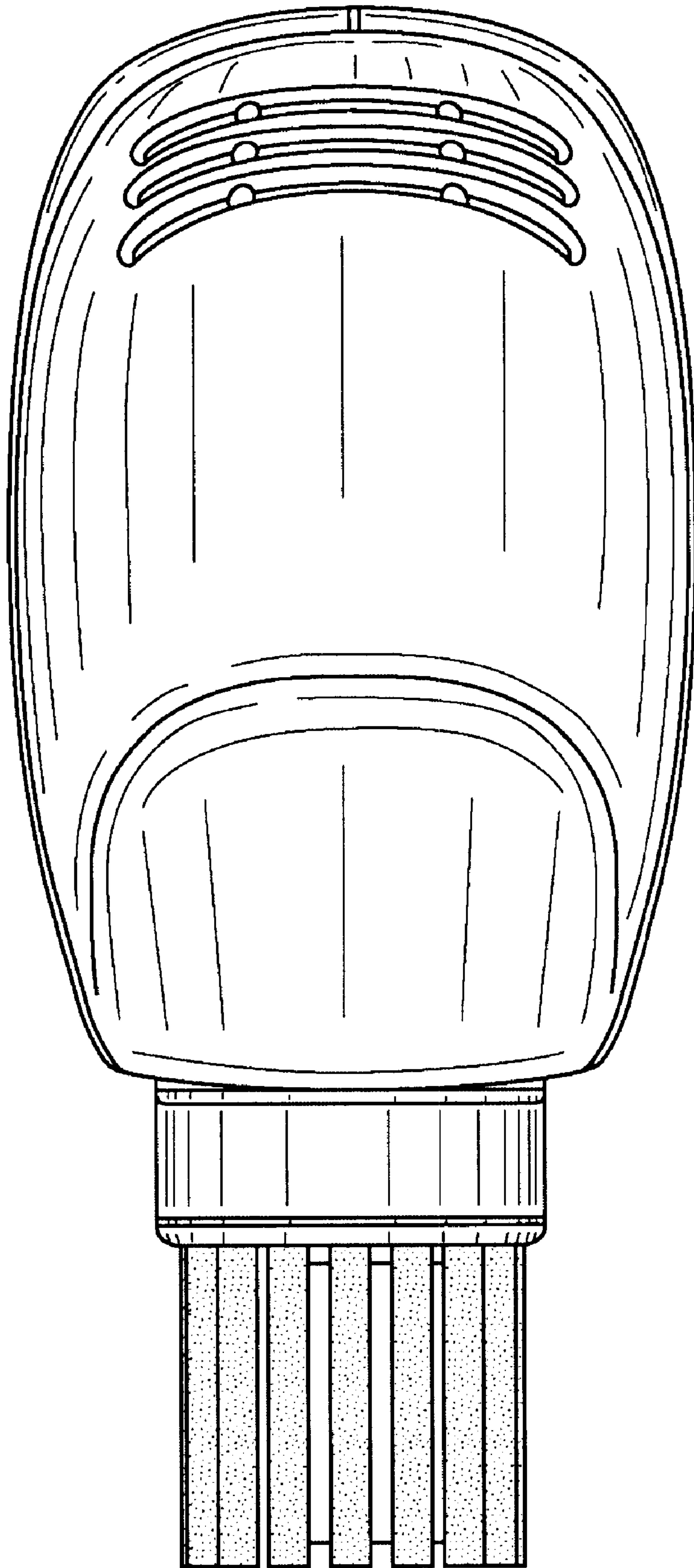




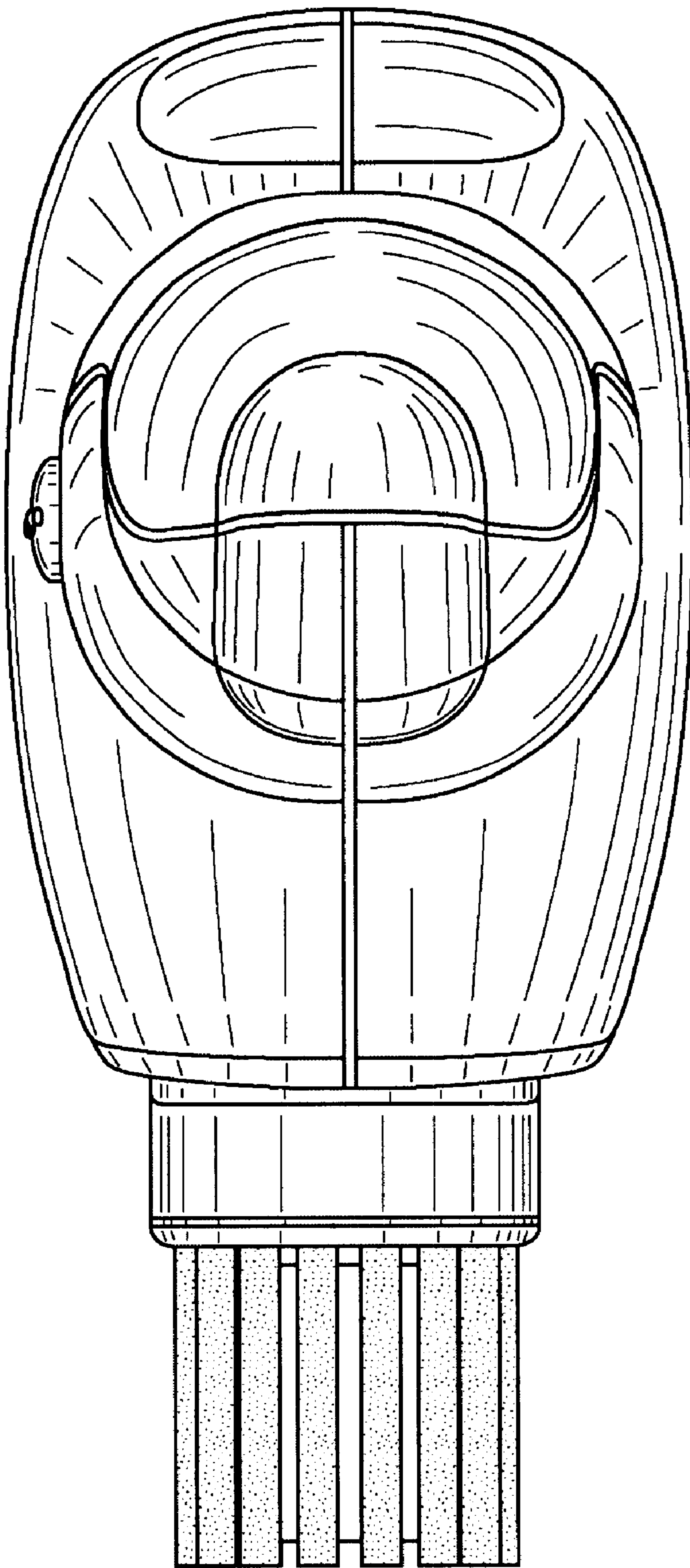
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**