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(12) **United States Design Patent** (10) **Patent No.:** **US D943,848 S**  
**Liu** (45) **Date of Patent:** **\*\* Feb. 15, 2022**

(54) **HANDHELD VACUUM CLEANER**

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

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

(52) **U.S. Cl.**  
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CPC ..... A47L 5/24; A47L 5/26; A47L 5/28; A47L  
9/102; A47L 9/122; A47L 9/127; A47L  
9/1608; A47L 9/1683; A47L 9/2857;  
A47L 9/2884; A47L 9/32; A47L 9/322;  
B04C 5/185; B08B 3/04; B01D 2279/55;  
B23Q 11/0046; B23Q 11/0071; E04H  
4/1636; Y10T 29/49716

See application file for complete search history.

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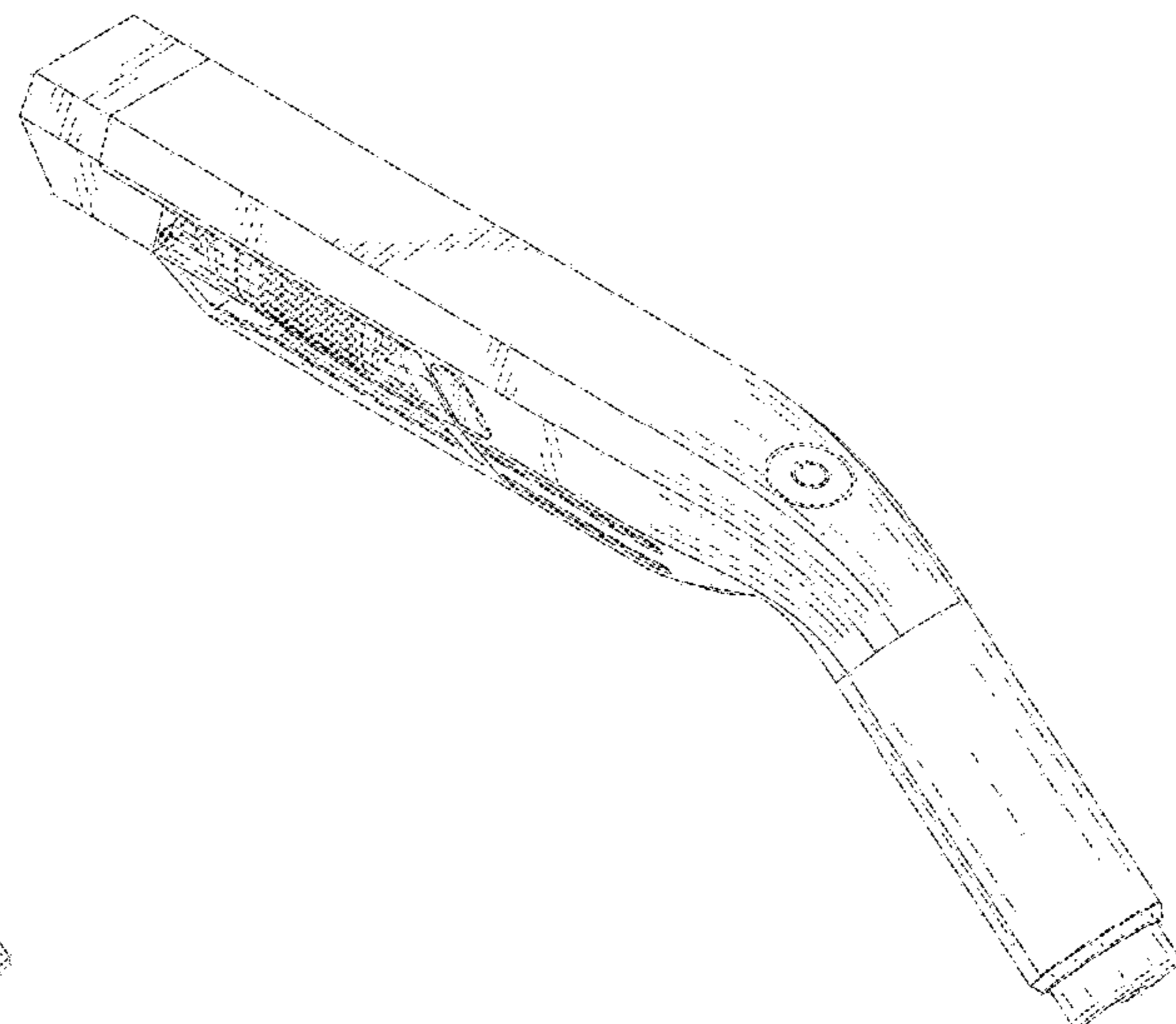
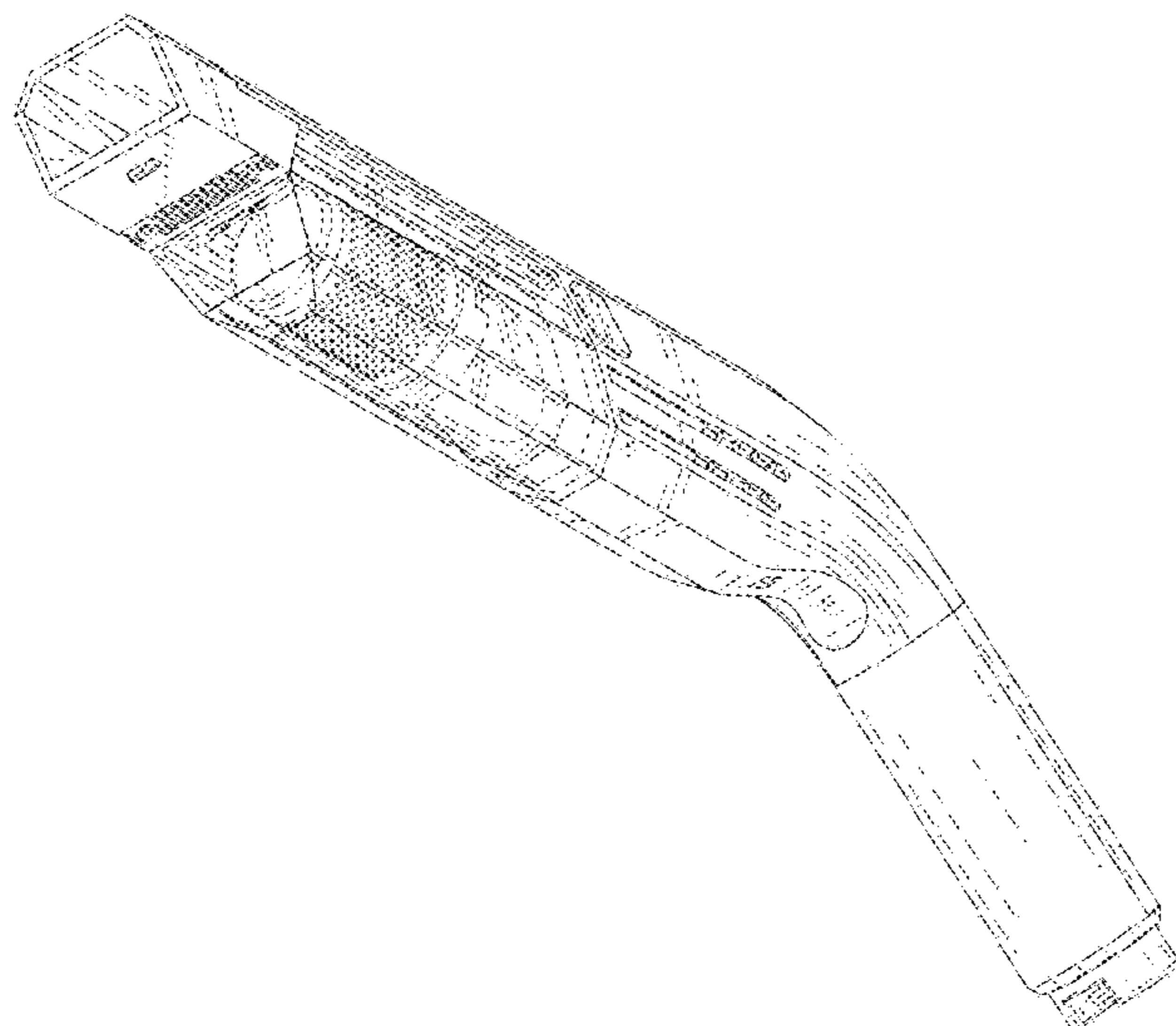
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevational view of a handheld vacuum cleaner showing my new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left elevational view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top side view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a perspective view of the handheld vacuum cleaner showing my new design; and,  
FIG. 8 is another perspective view thereof.  
The broken lines in the figures are for the purposes of illustrating portions of the handheld vacuum cleaner that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



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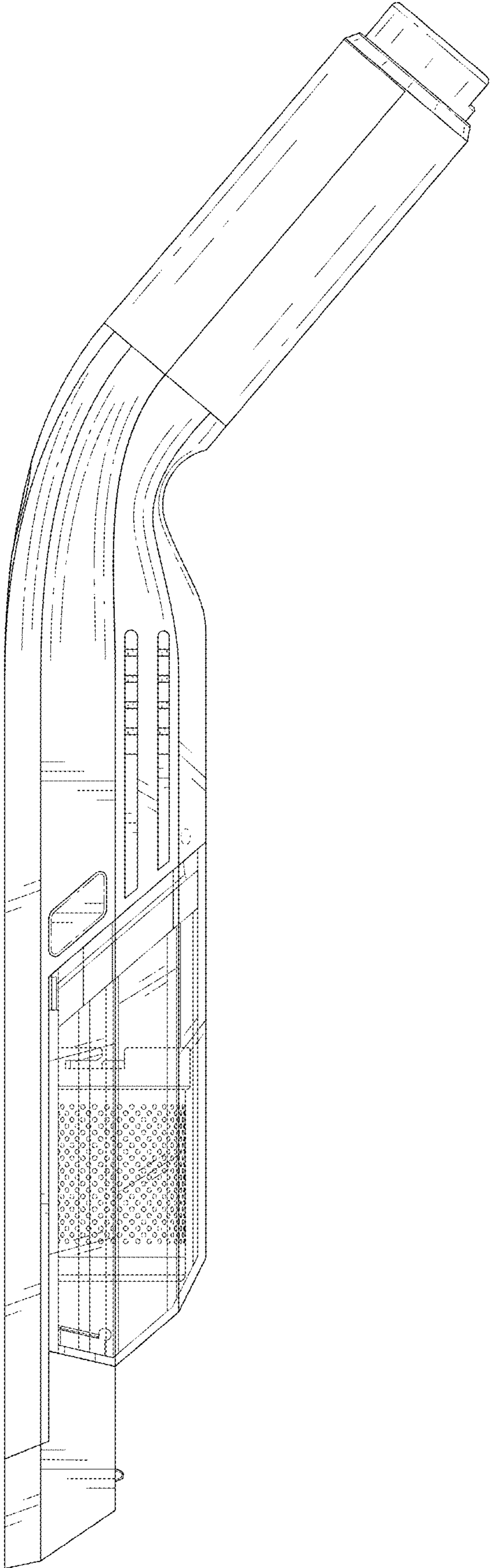


FIG. 1

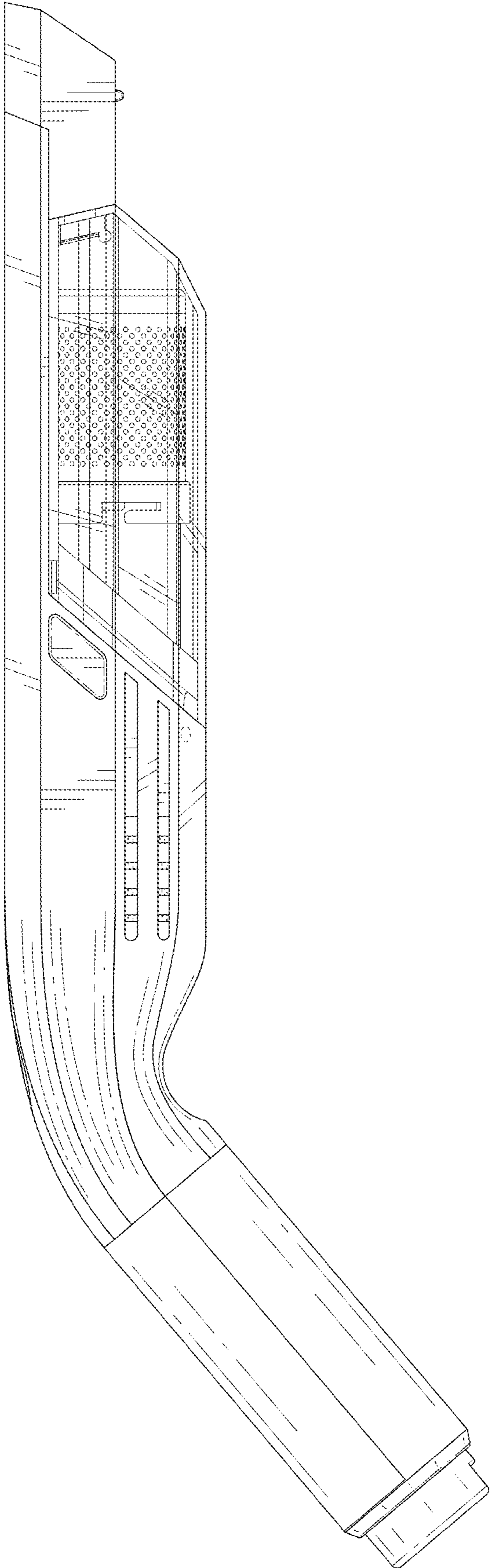


FIG. 2

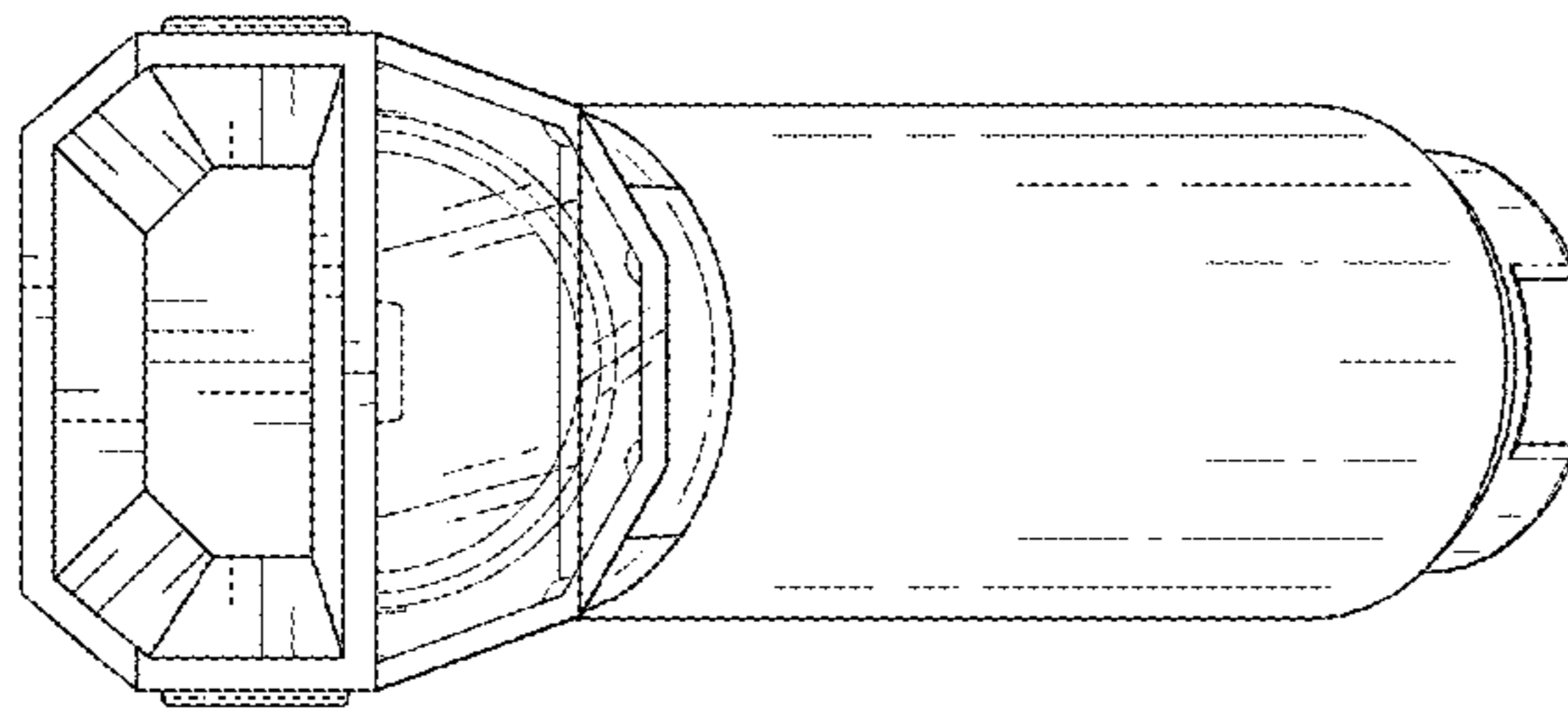


FIG. 3

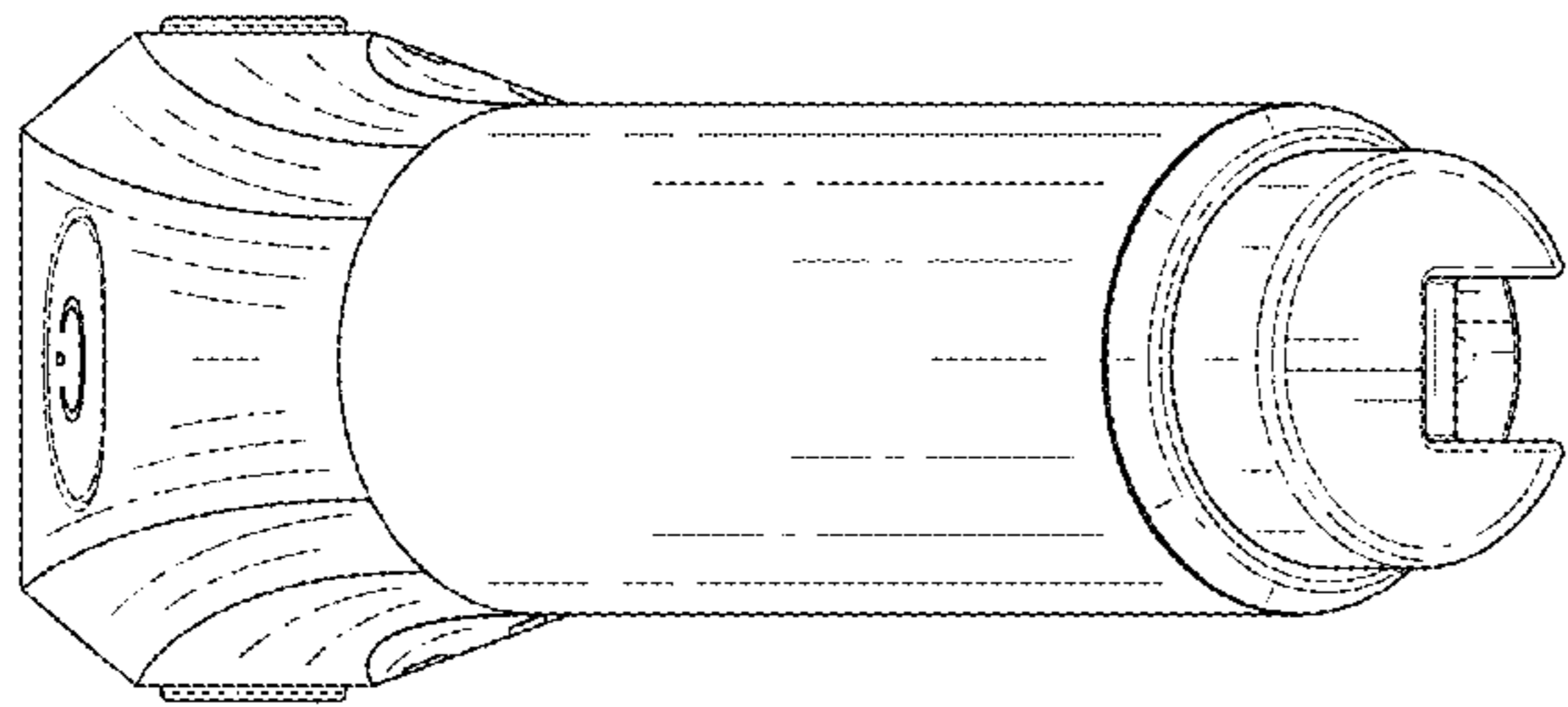


FIG. 4

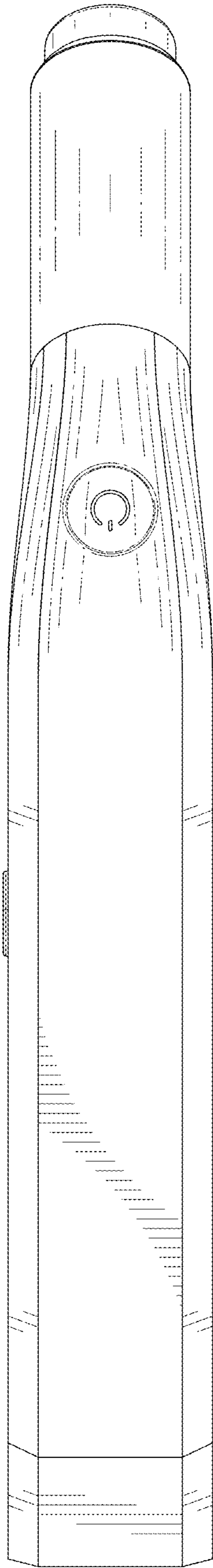


FIG. 5

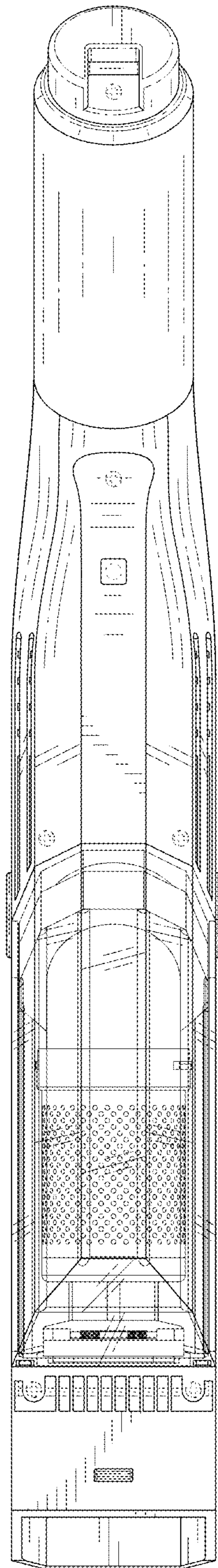


FIG. 6



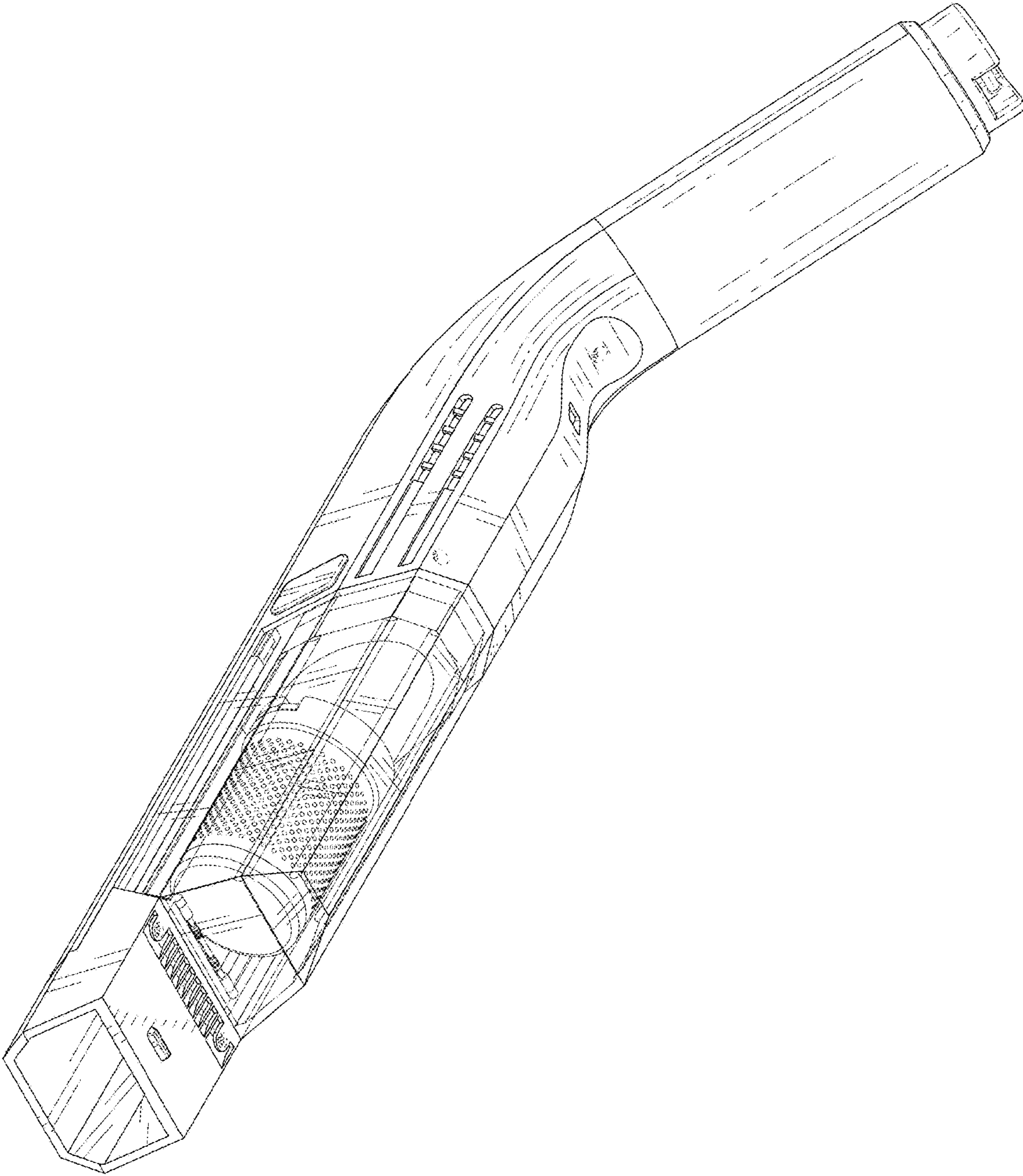


FIG. 7

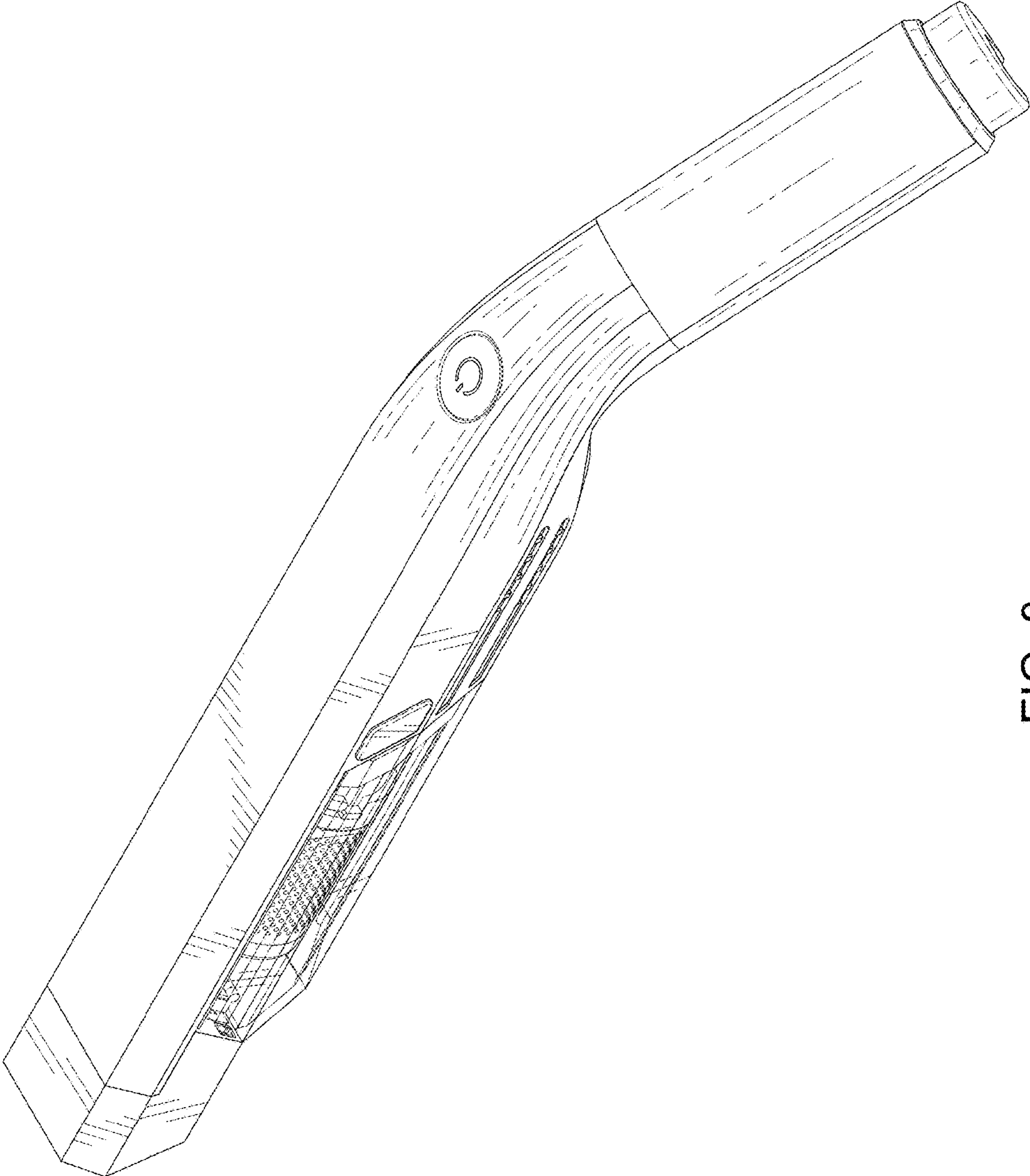


FIG. 8