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(12) **United States Design Patent** (10) **Patent No.:** **US D970,132 S**  
**Chen** (45) **Date of Patent:** **\*\* Nov. 15, 2022**

(54) **VACUUM CLEANER**  
(71) Applicant: **SHENZHEN JUNENG VEHICLE TECHNOLOGY CO., LTD.**, Shenzhen (CN)  
(72) Inventor: **Longlin Chen**, Shenzhen (CN)  
(73) Assignee: **SHENZHEN JUNENG VEHICLE TECHNOLOGY CO., LTD.**, Shenzhen (CN)

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

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(21) Appl. No.: **29/778,881**

Amazon.co.uk Handheld Vacuum, Bagotte [https://www.amazon.co.uk/Handheld-Bagotte-Rechargeable-Lightweight-vacuuming/dp/B09KCG515L/ref=sxin\\_14\\_pa\\_sp\\_search\\_thematic\\_sspa](https://www.amazon.co.uk/Handheld-Bagotte-Rechargeable-Lightweight-vacuuming/dp/B09KCG515L/ref=sxin_14_pa_sp_search_thematic_sspa) (Year: 2021).\*

(22) Filed: **Apr. 15, 2021**

(Continued)

(30) **Foreign Application Priority Data**

Feb. 4, 2021 (CN) ..... 202130082654.4

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

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

(58) **Field of Classification Search**  
USPC ..... D32/17, 18, 21, 23, 25, 31, 32, 33, 34  
CPC ..... A47L 11/24; A47L 11/33; A47L 11/32;  
A47L 9/1666; A47L 9/1608; A47L 11/00;  
A47L 11/38; A47L 5/24; Y10S 55/03  
See application file for complete search history.

*Primary Examiner* — Kevin K Rudzinski  
*Assistant Examiner* — Richard E Yenchesky  
(74) *Attorney, Agent, or Firm* — Ladas & Parry LLP

(57) **CLAIM**

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

**DESCRIPTION**

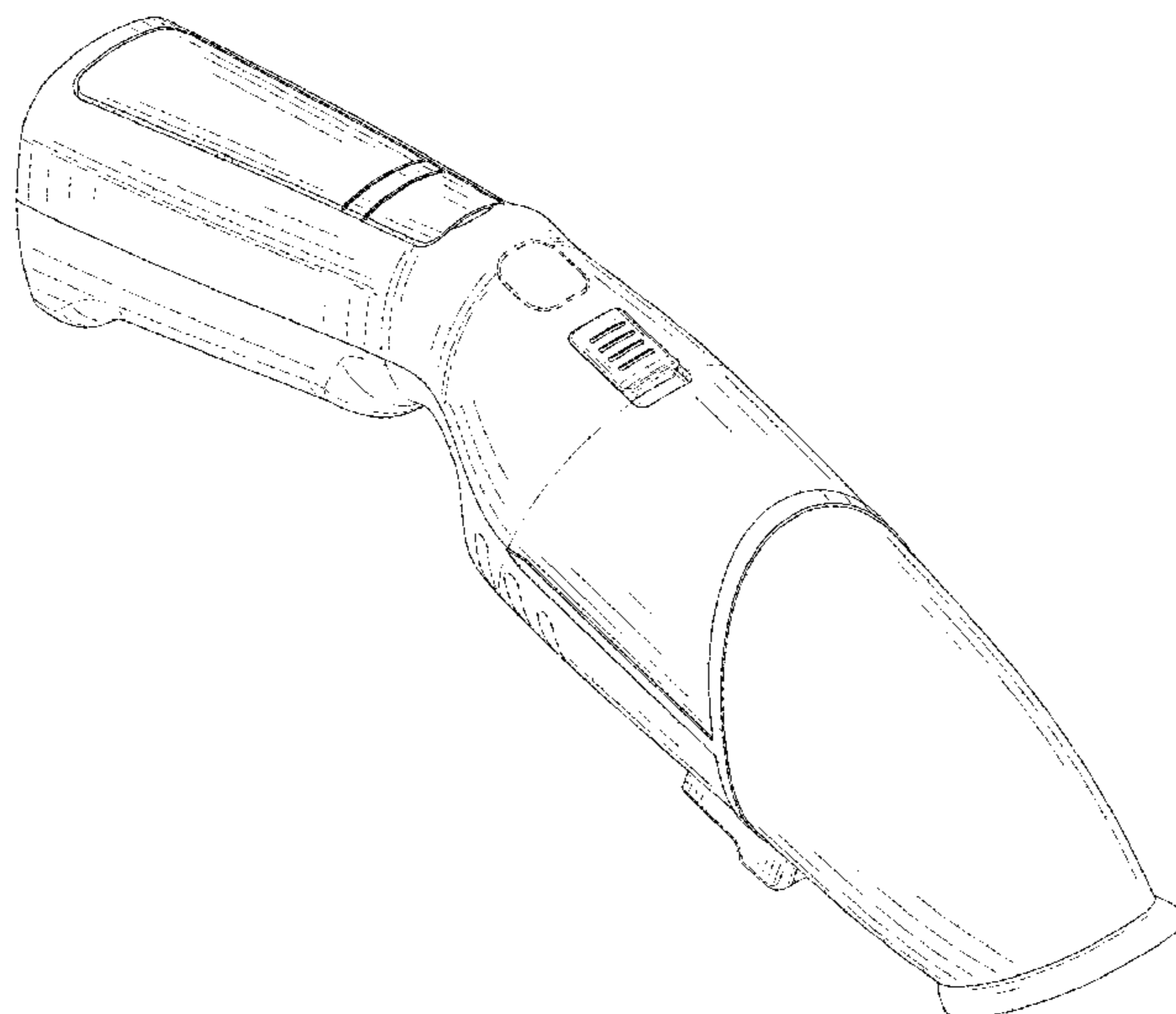
FIG. 1 is a side perspective view of the new design of a vacuum cleaner;  
FIG. 2 is another side perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a top view thereof; and,  
FIG. 8 is a bottom view thereof.  
The broken (dashed) lines show portions of the vacuum cleaner that form no part of the claimed design.

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**1 Claim, 8 Drawing Sheets**



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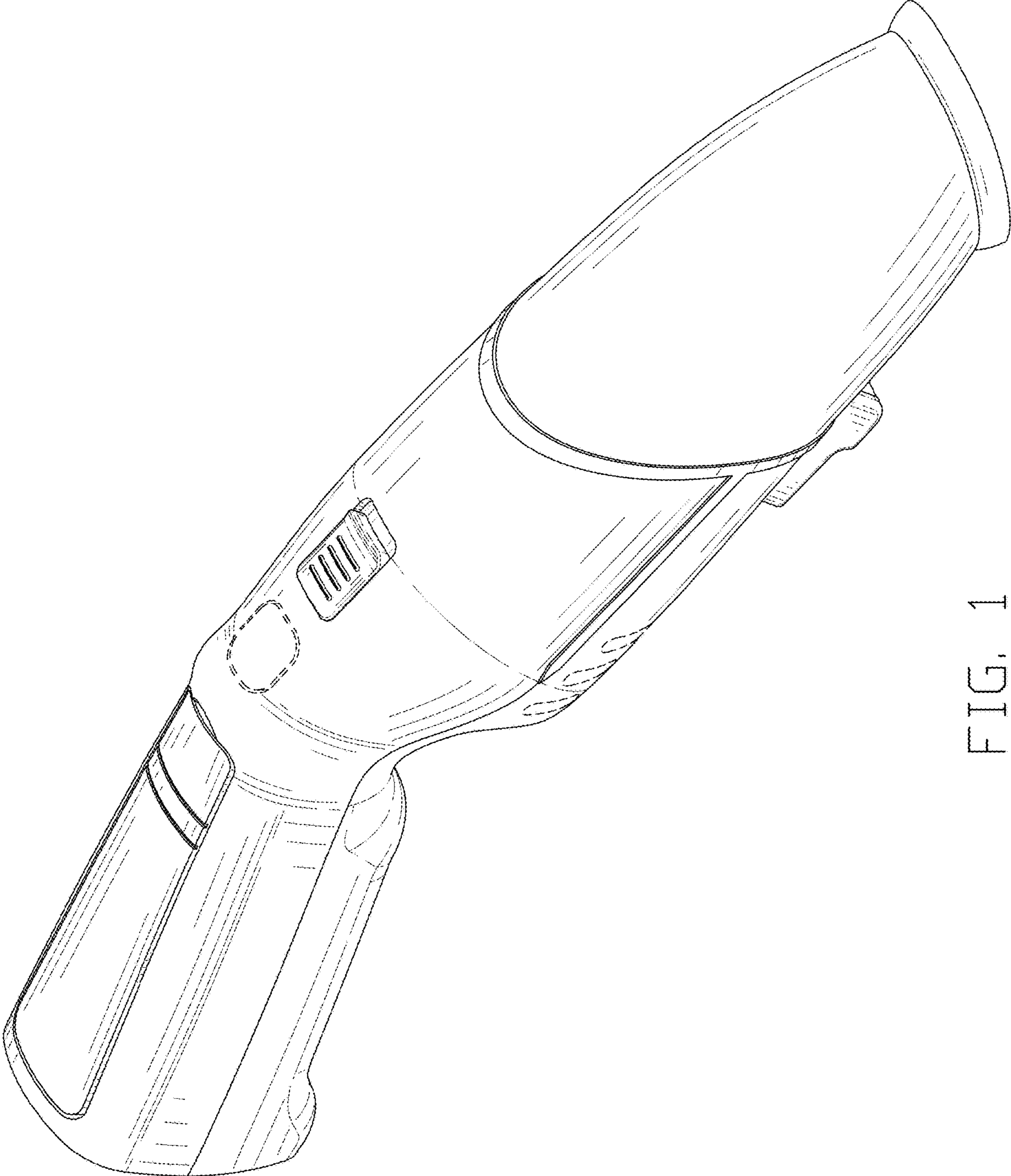


FIG. 1

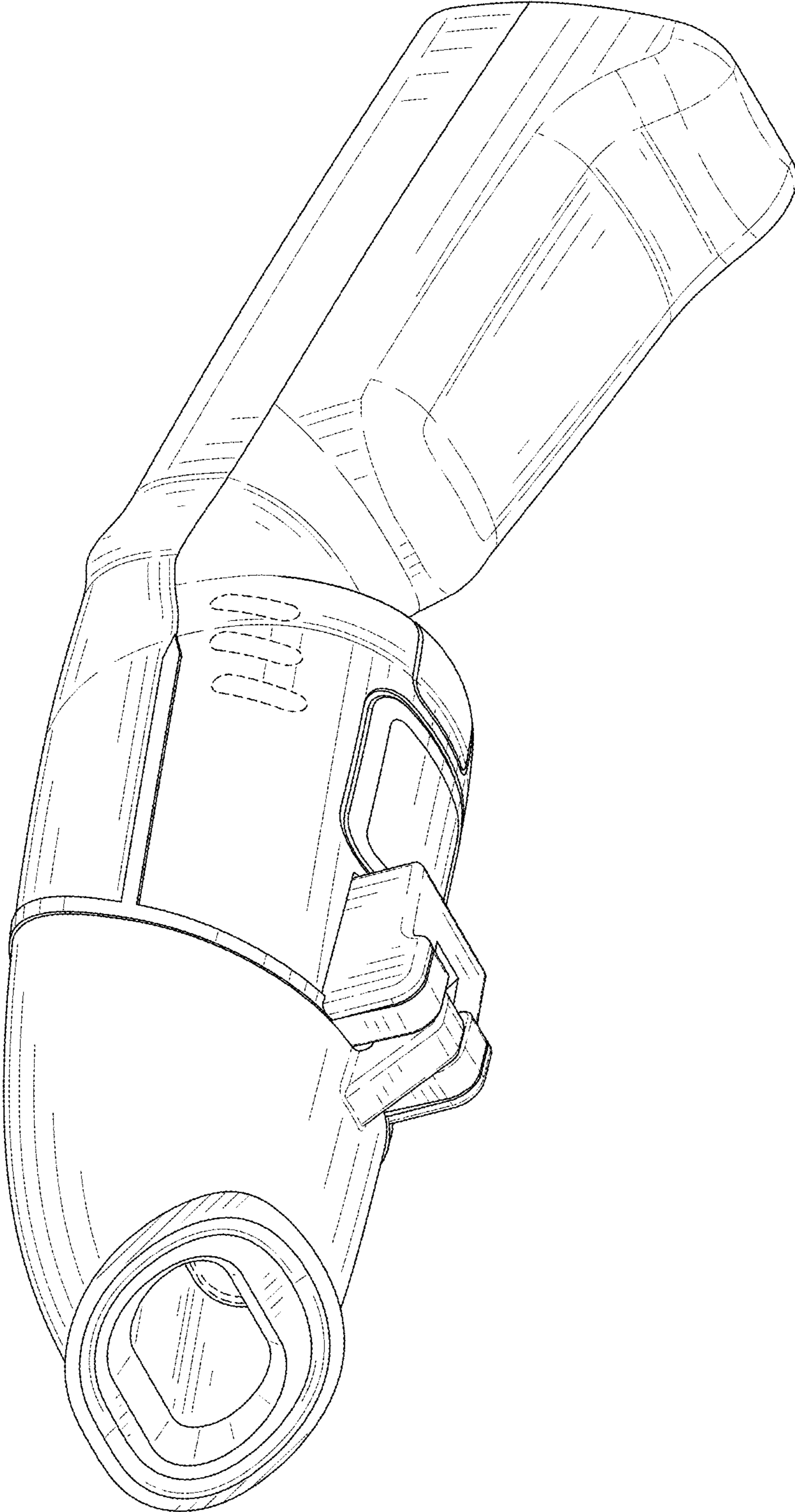


FIG. 2

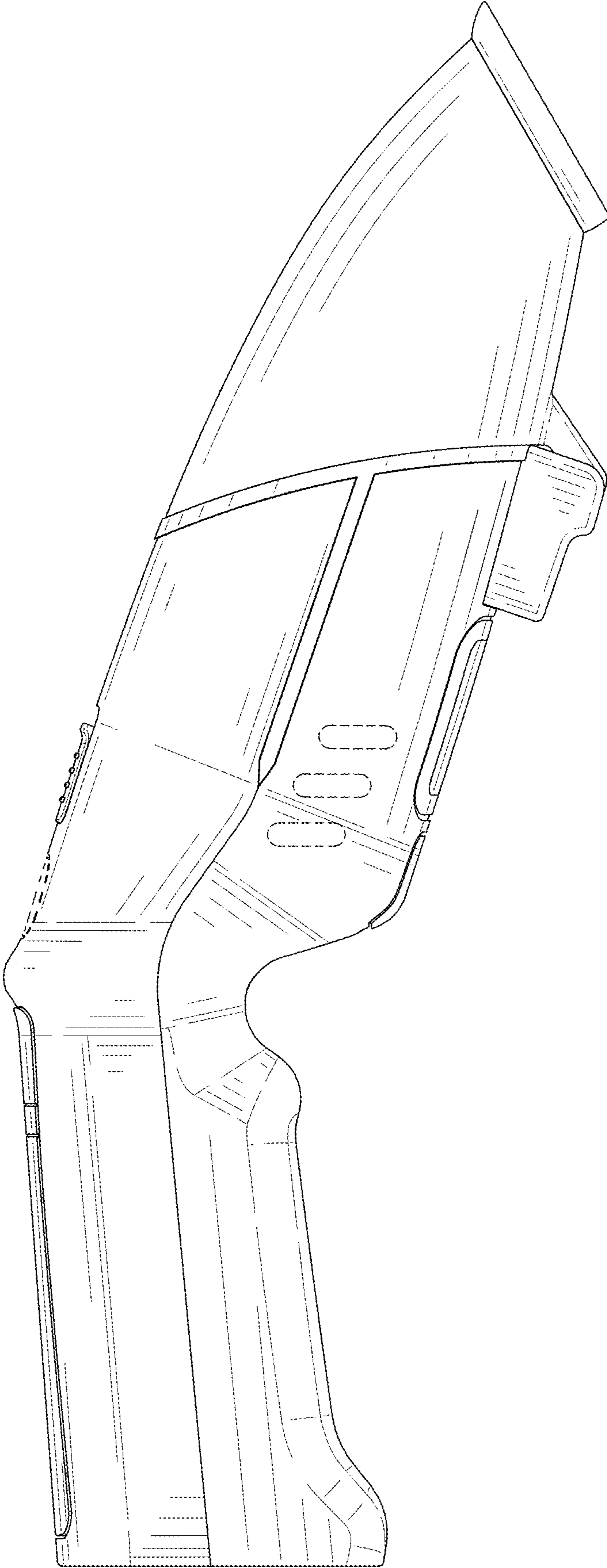


FIG. 3

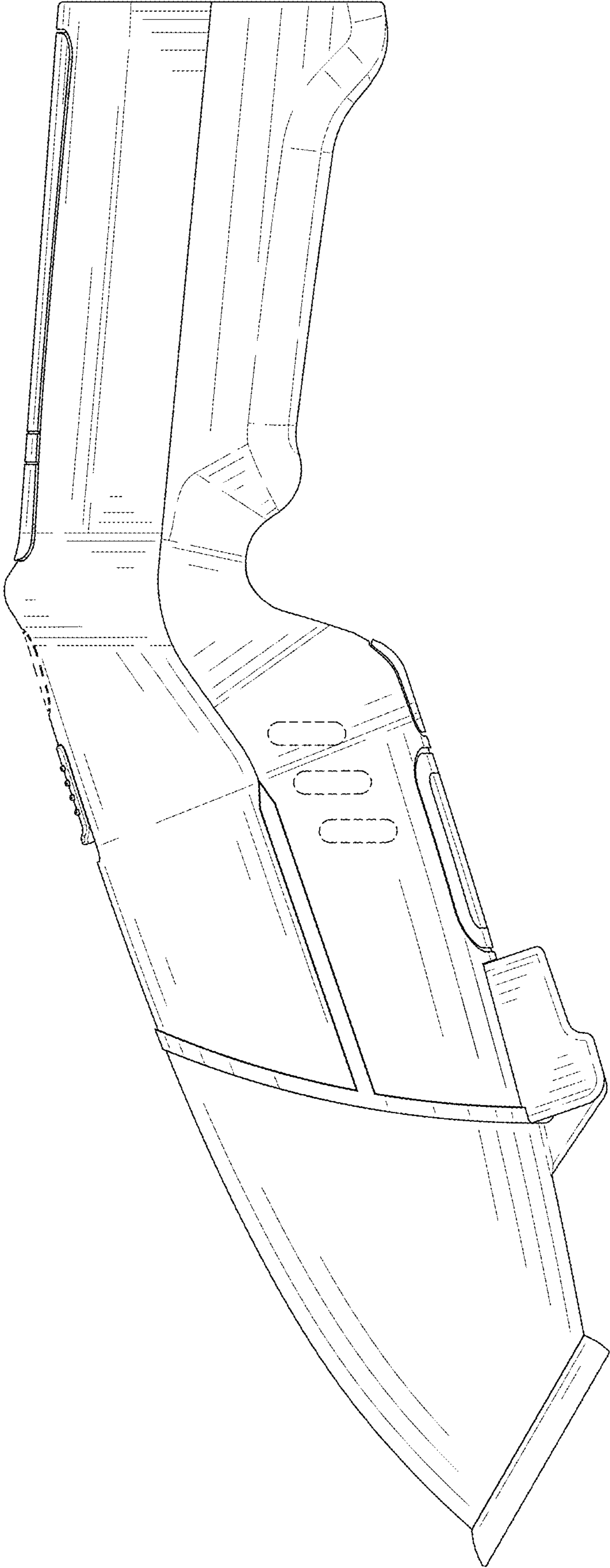


FIG. 4

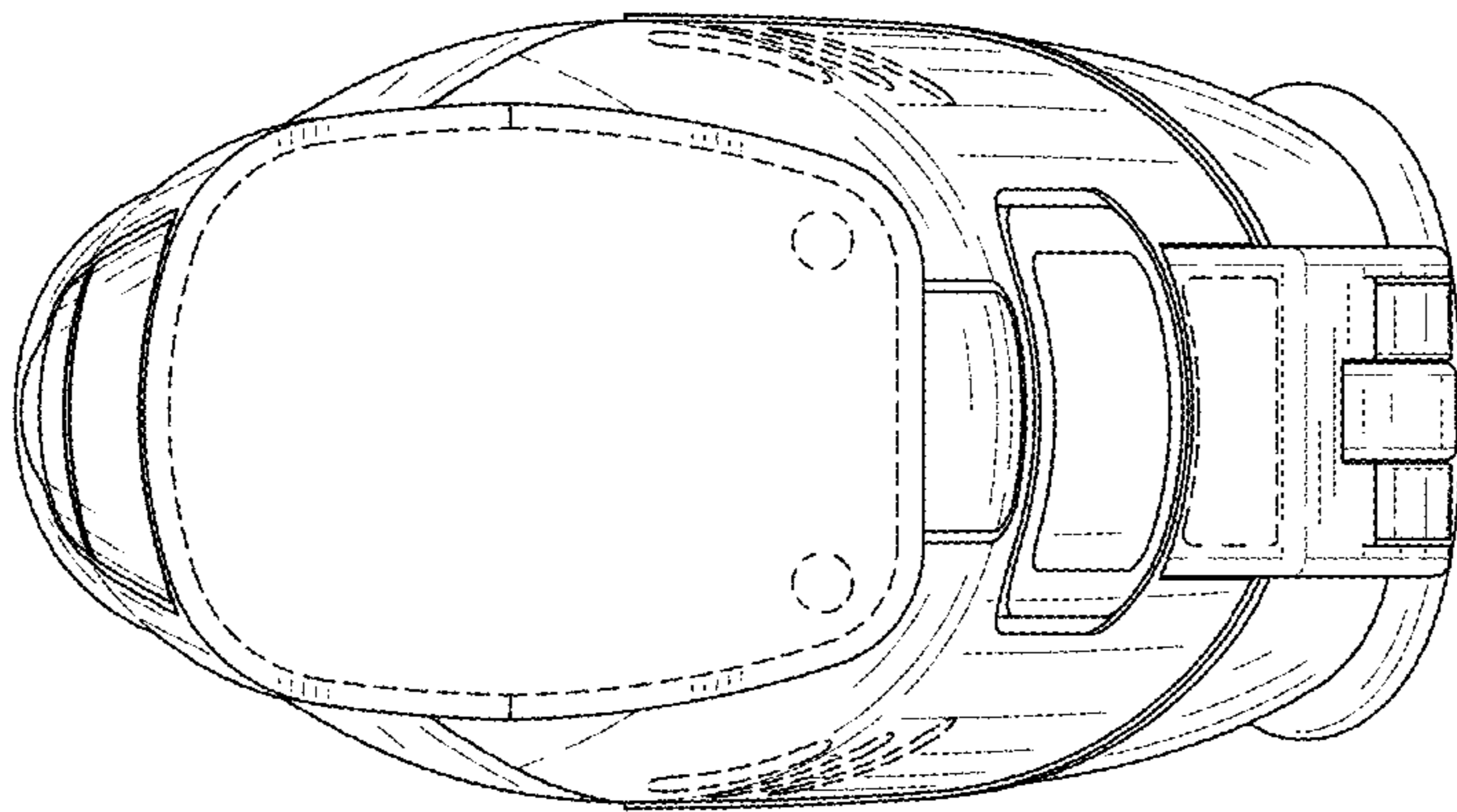


FIG. 5

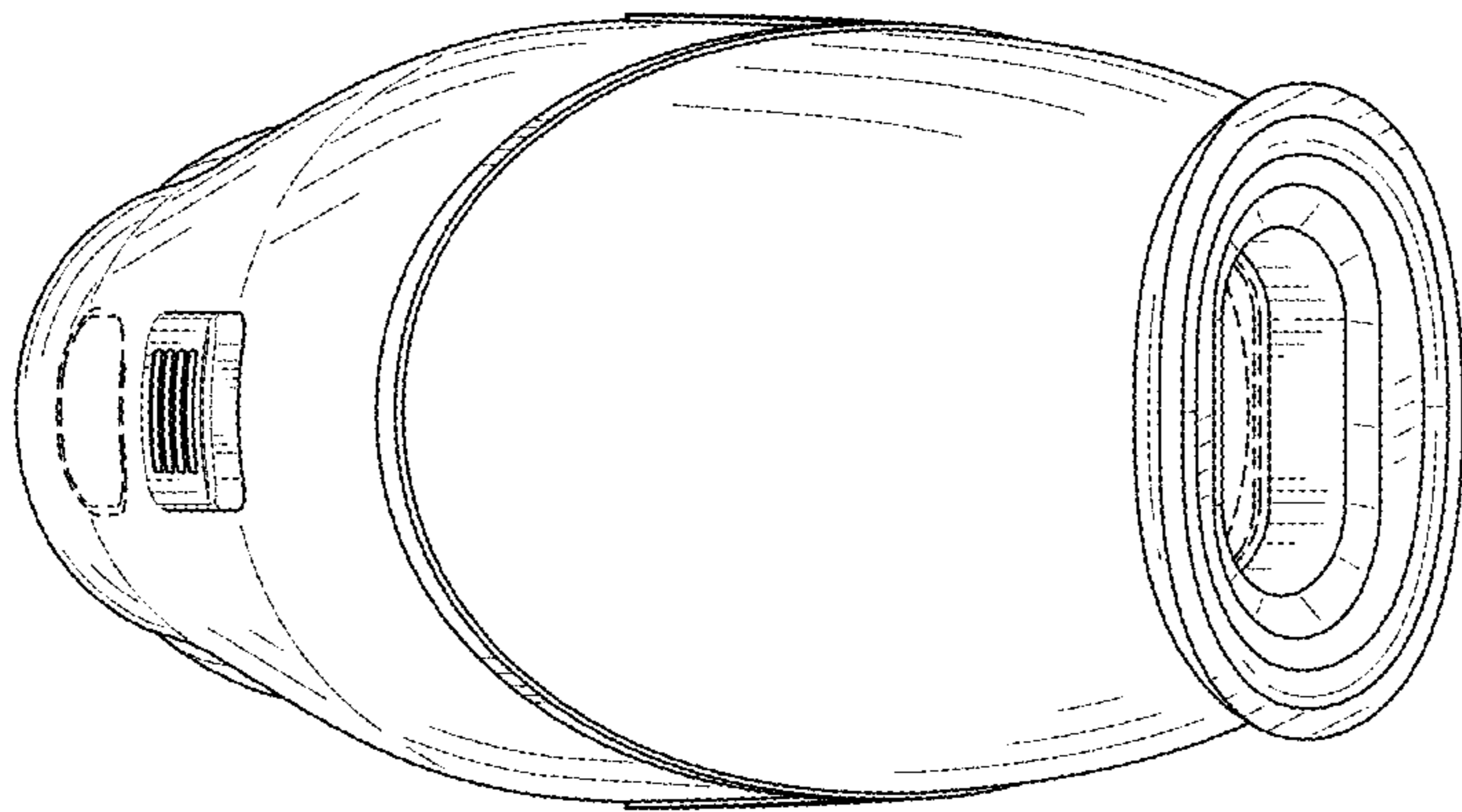


FIG. 6



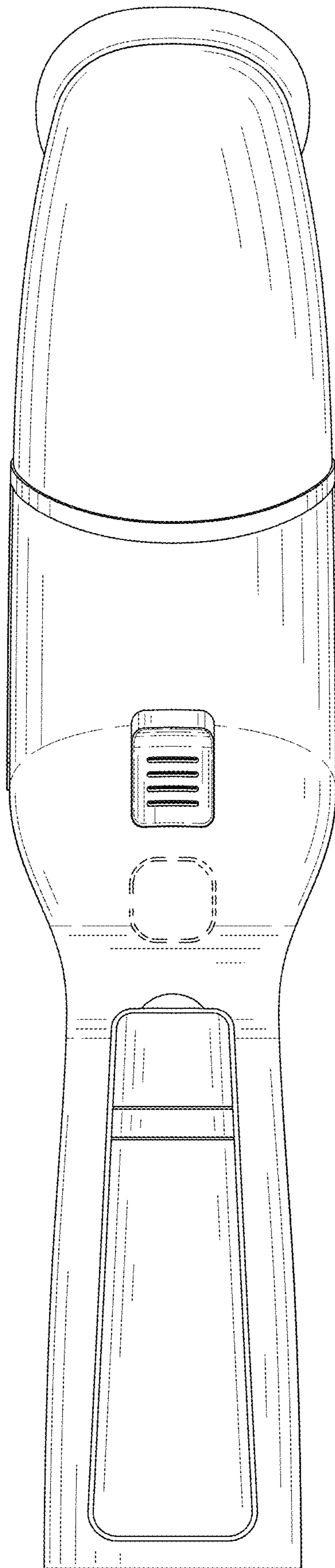


FIG. 7

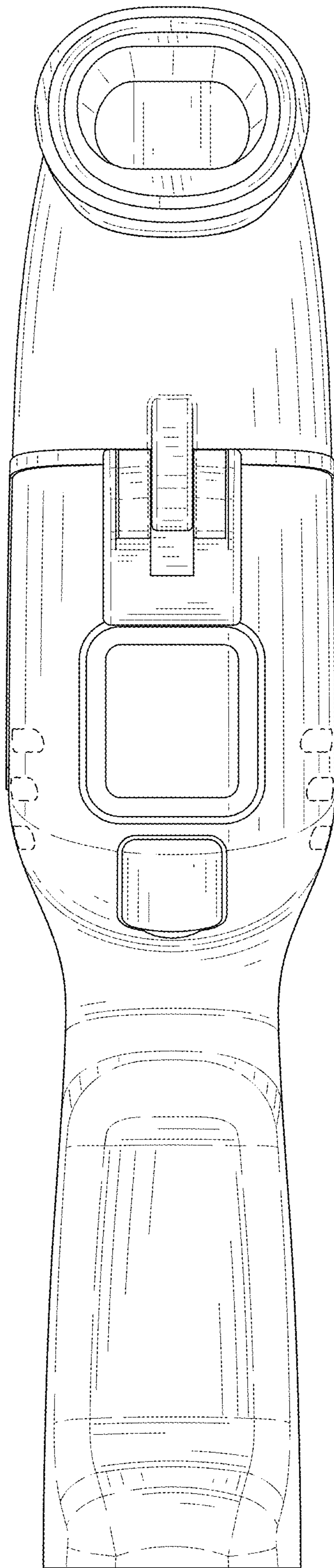


FIG. 8