

US00D925146S

(12)

United States Design Patent

Liu et al.

(10)

Patent No.:

US D925,146 S

(45)

Date of Patent:

** Jul. 13, 2021

(54) HAND-HELD VACUUM CLEANER

FOREIGN PATENT DOCUMENTS

(71) Applicant: SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD, Shenzhen (CN)

CN 304559920 * 3/2018

(72) Inventors: Xianwei Liu, Shenzhen (CN); Guijun Mu, Shenzhen (CN)

(73) Assignee: SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD, Shenzhen (CN)

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(**) Term: 15 Years

Primary Examiner — Dana K Weiland
Assistant Examiner — Jennylou M Binas

(21) Appl. No.: 29/765,423

(22) Filed: Jan. 8, 2021

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

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

(58) Field of Classification Search

USPC D32/17, 18, 21, 22, 31; D21/526
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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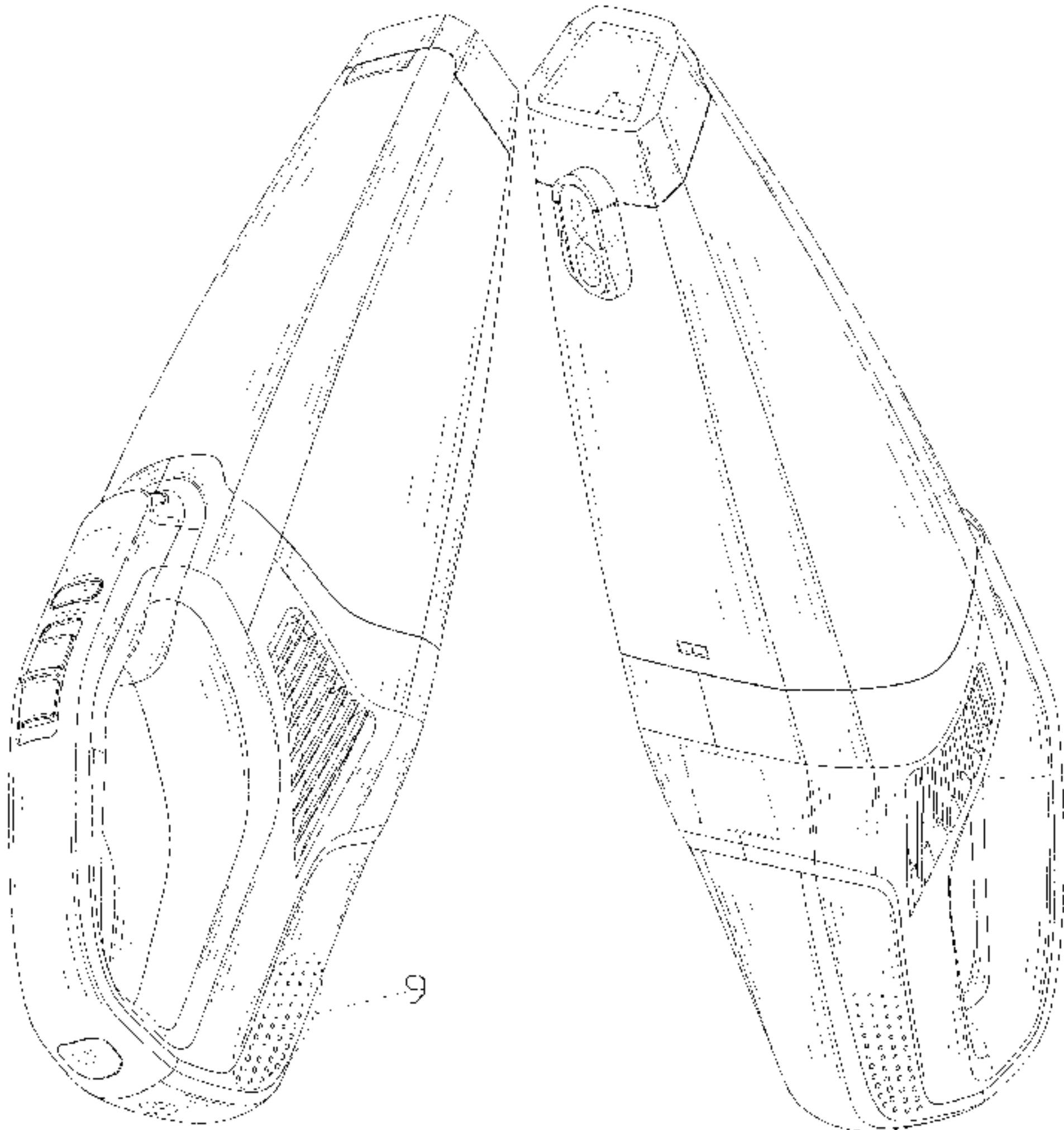
(57) CLAIM

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

DESCRIPTION

FIG. 1 is a perspective view of a hand-held vacuum cleaner showing the new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof;
FIG. 8 is a bottom plan view thereof;
FIG. 9 is an enlarged view of portion 9 shown in FIG. 1;
FIG. 10 is an enlarged top plan view of the hand-held vacuum cleaner; and,
FIG. 11 is an enlarged bottom plan view of the hand-held vacuum cleaner.
The broken lines in the drawings depict portions of the hand-held vacuum cleaner that form no part of the claimed design.

1 Claim, 11 Drawing Sheets



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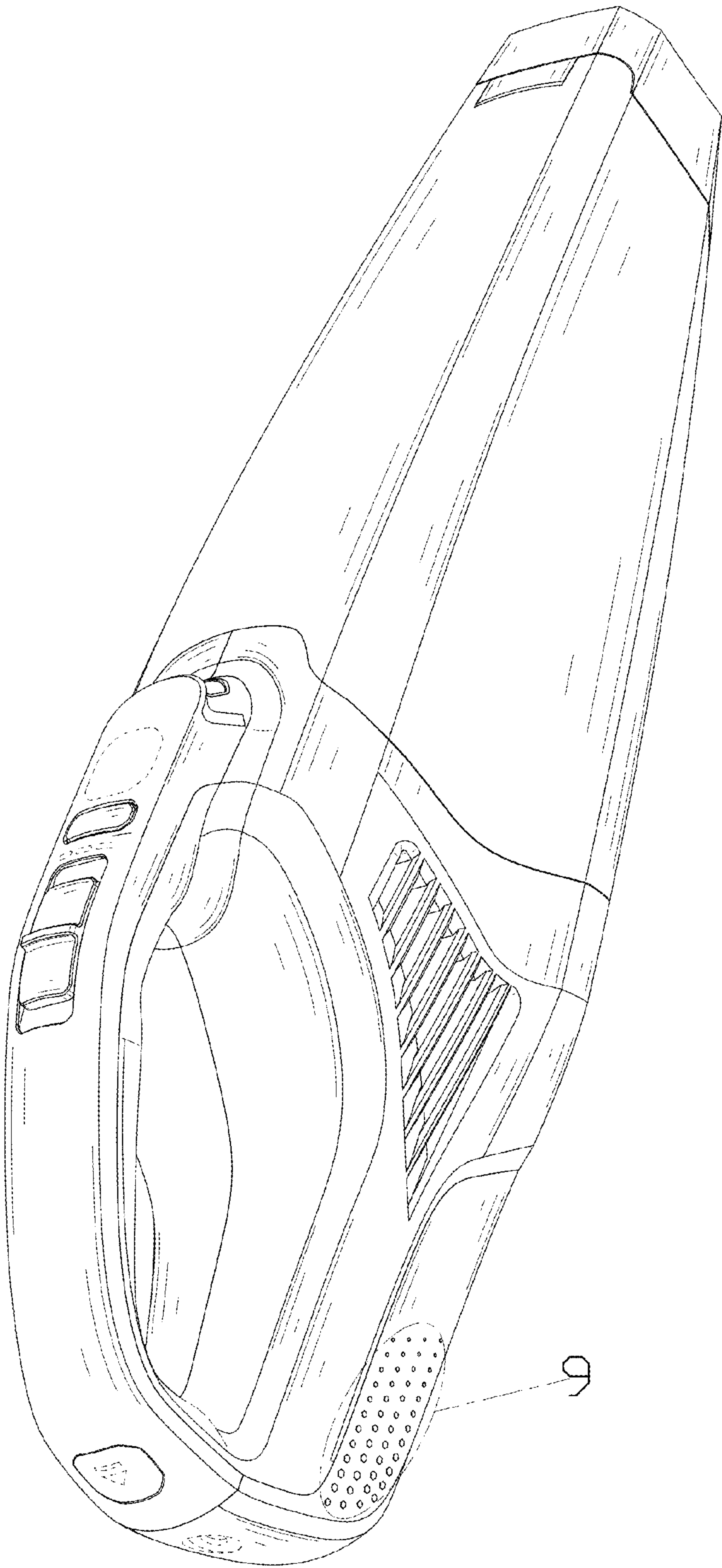


FIG. 1

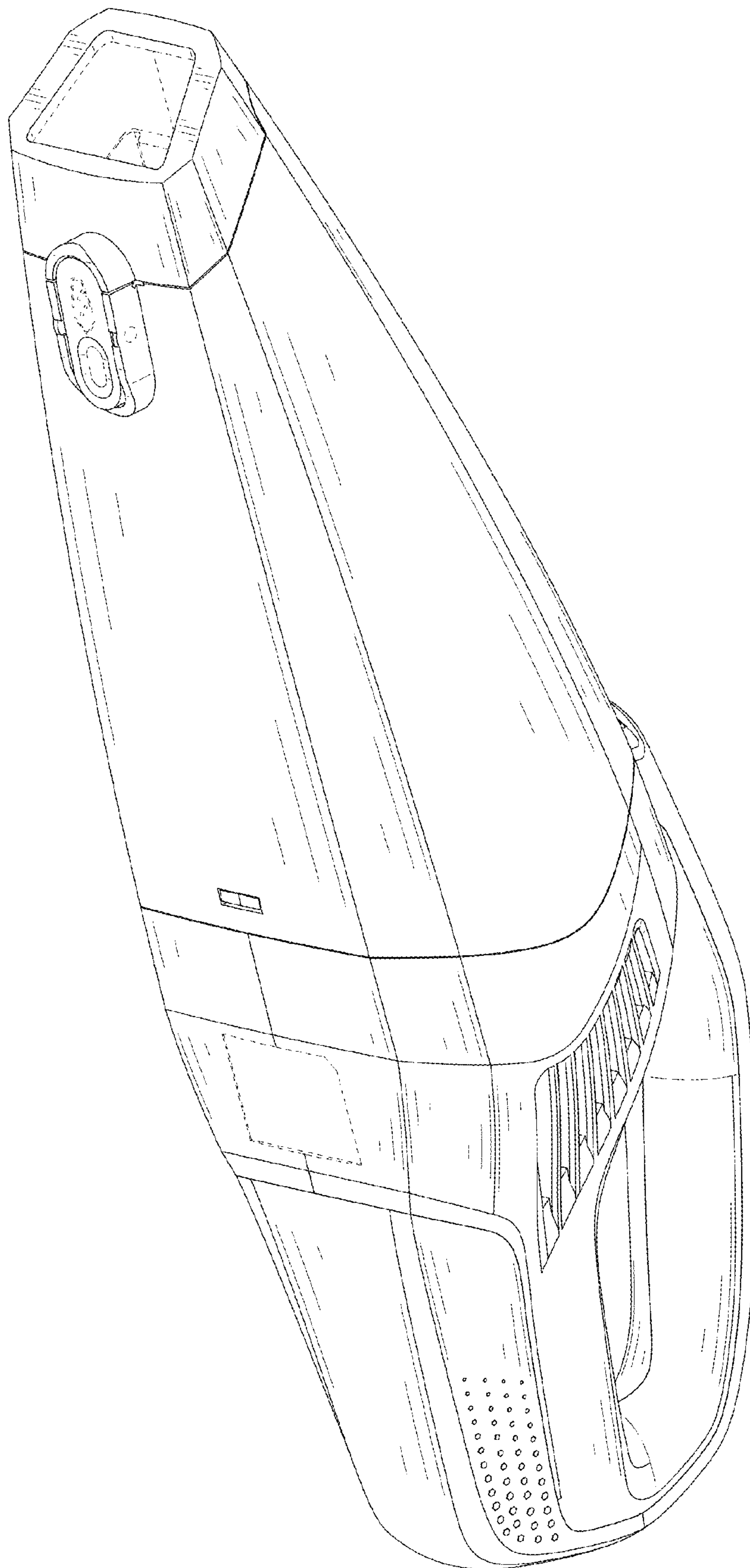


FIG. 2

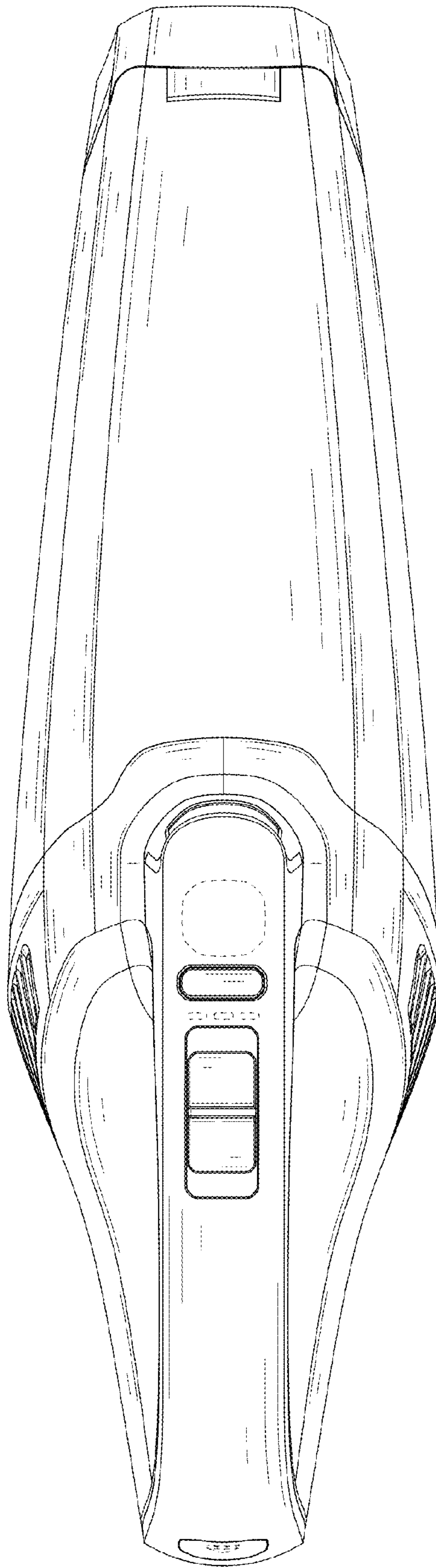


FIG. 3

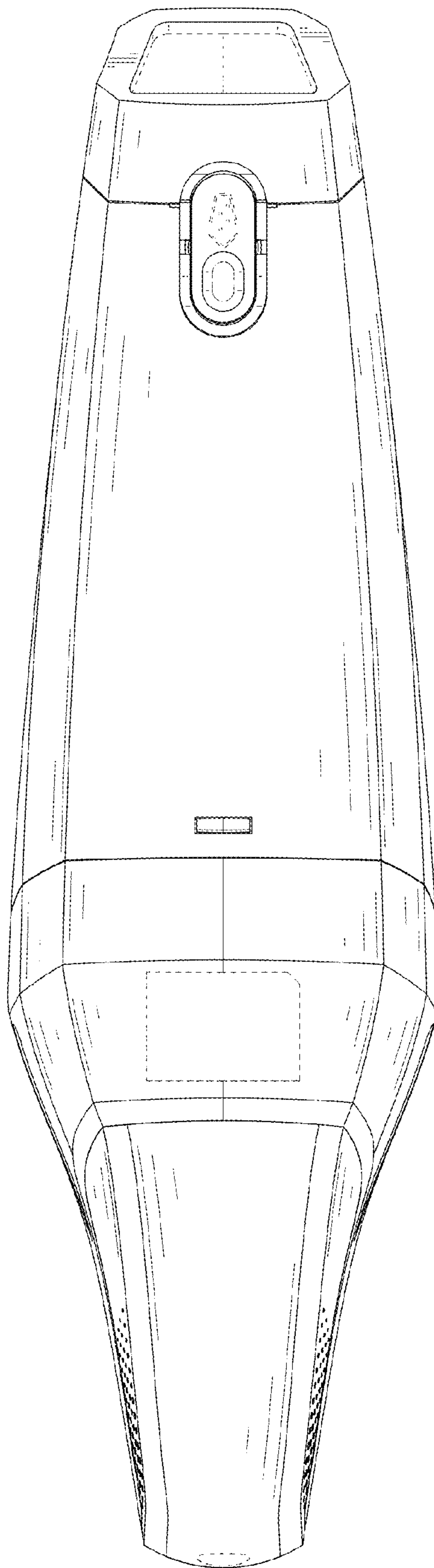


FIG. 4

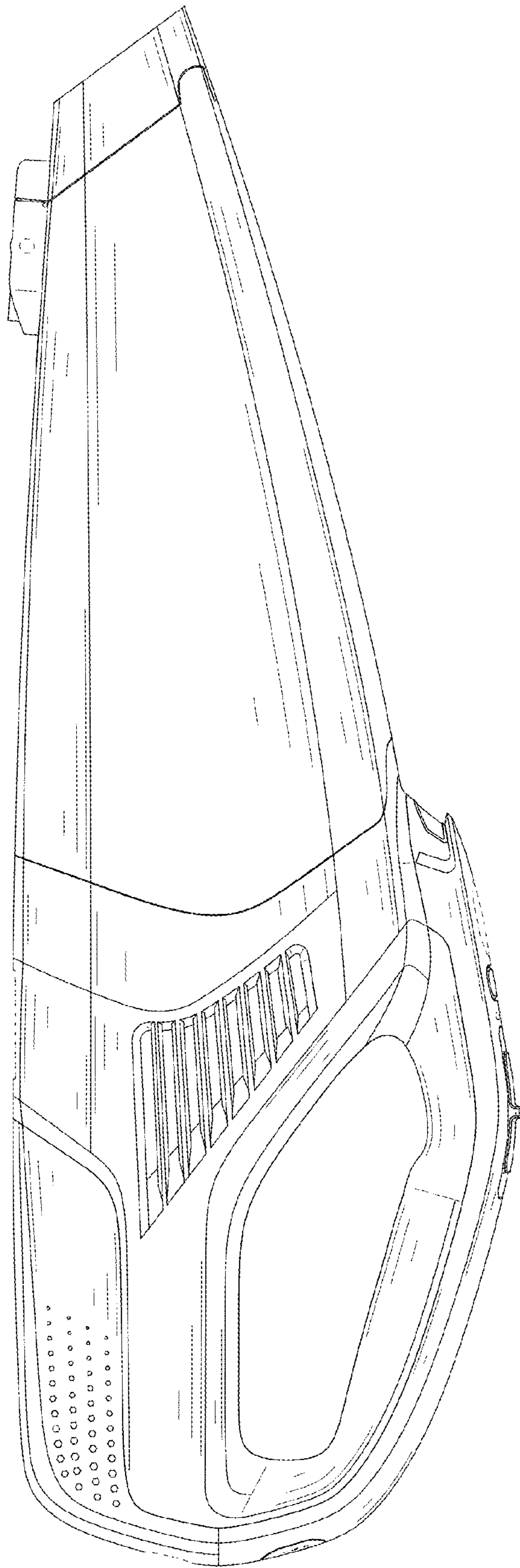


FIG. 5

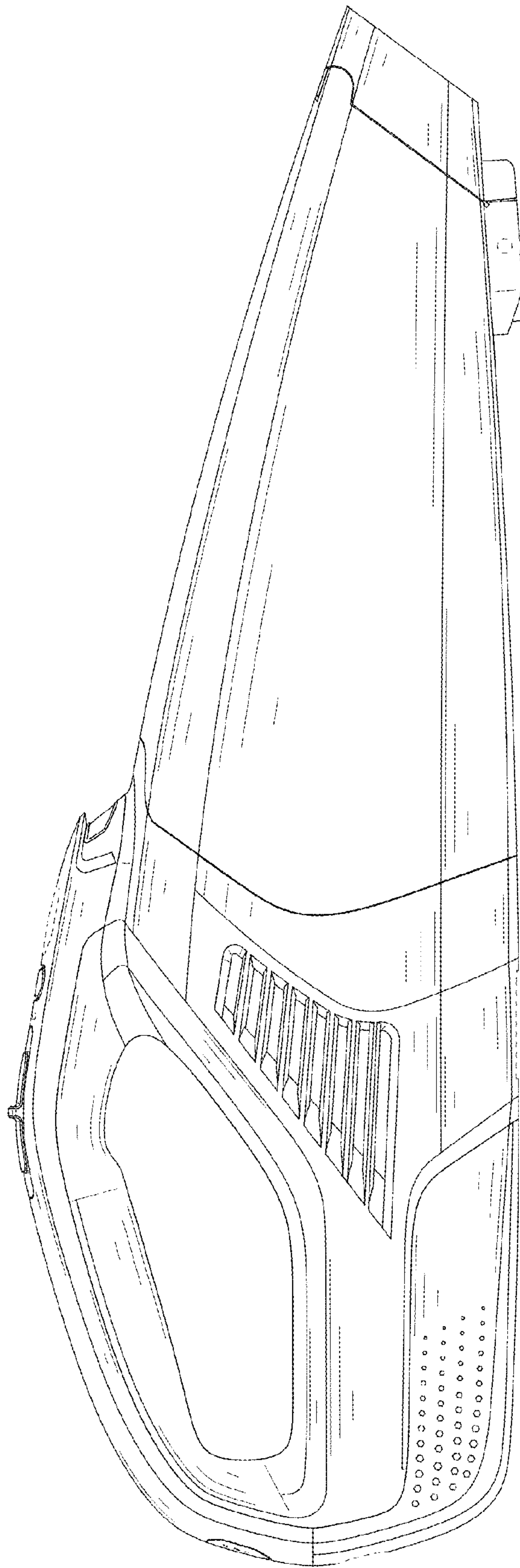


FIG. 6

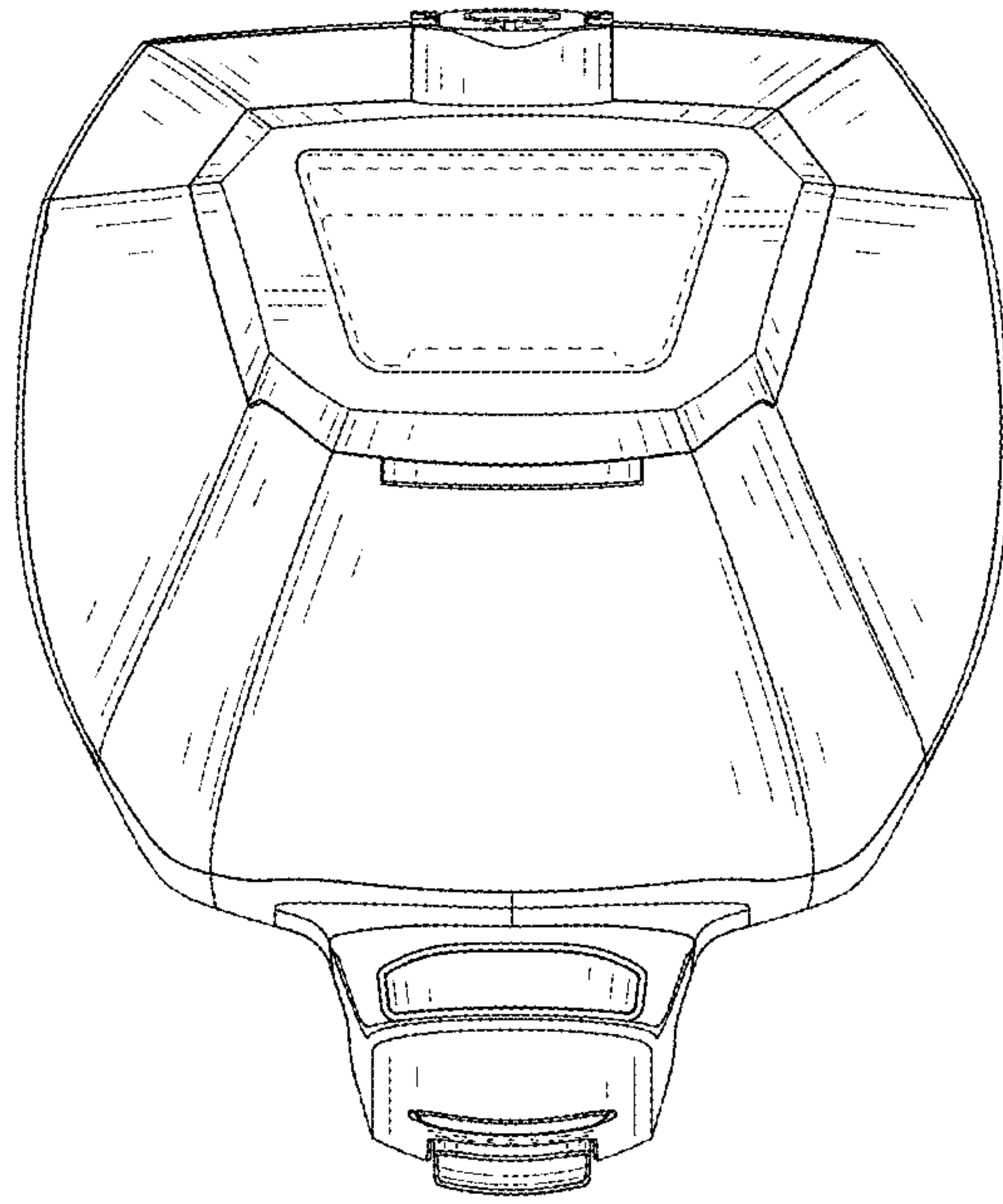


FIG. 7

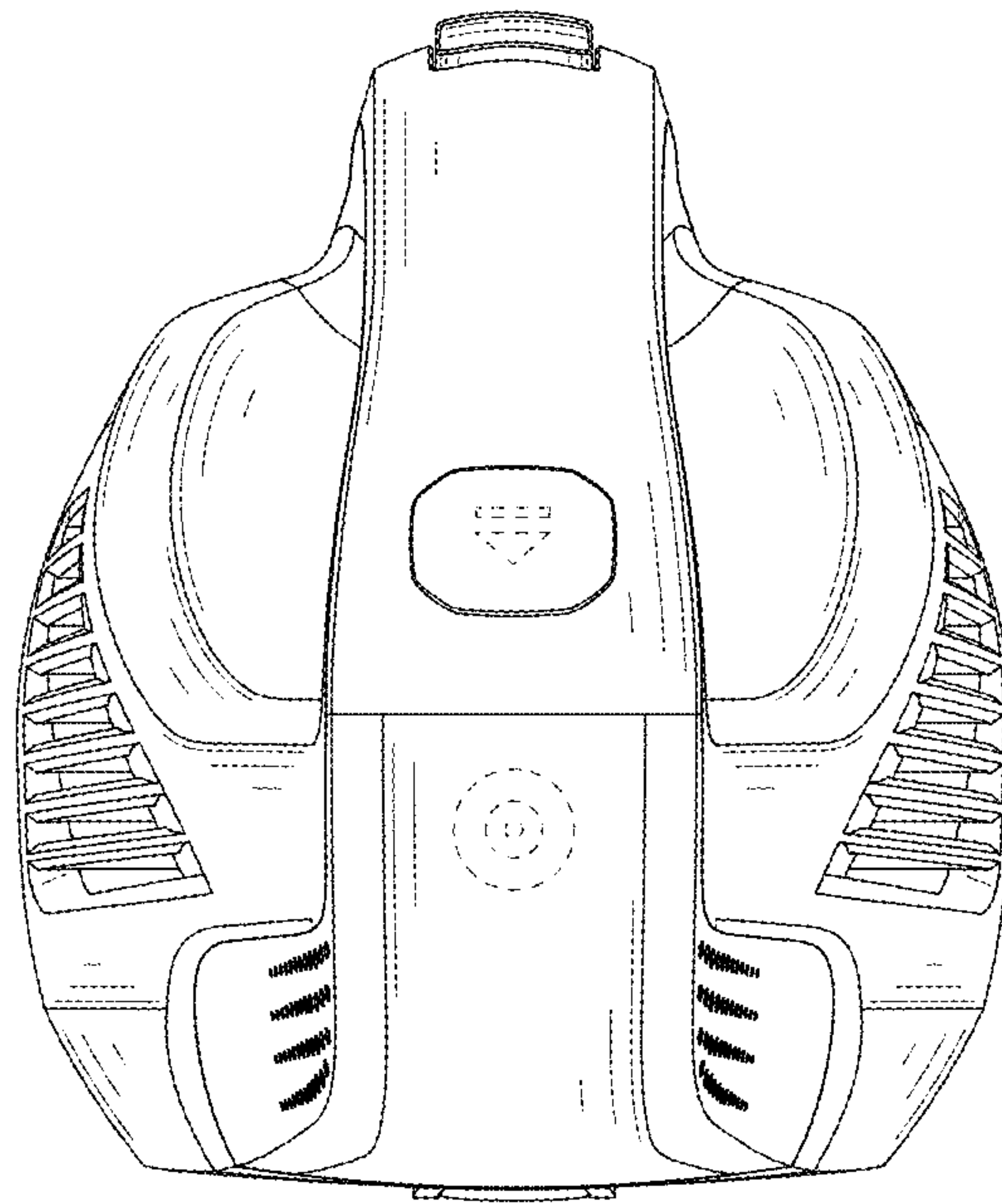


FIG. 8

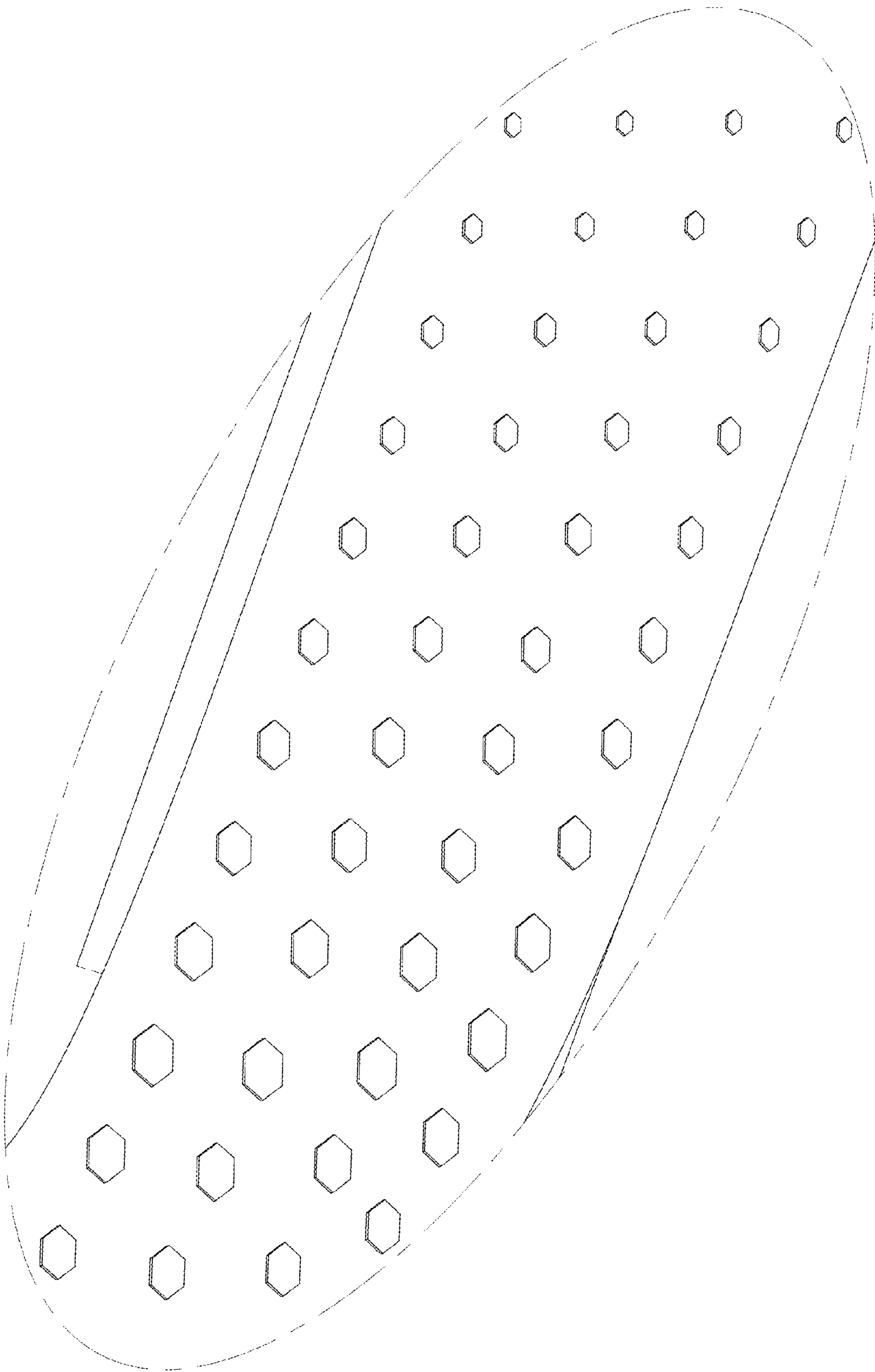


FIG. 9

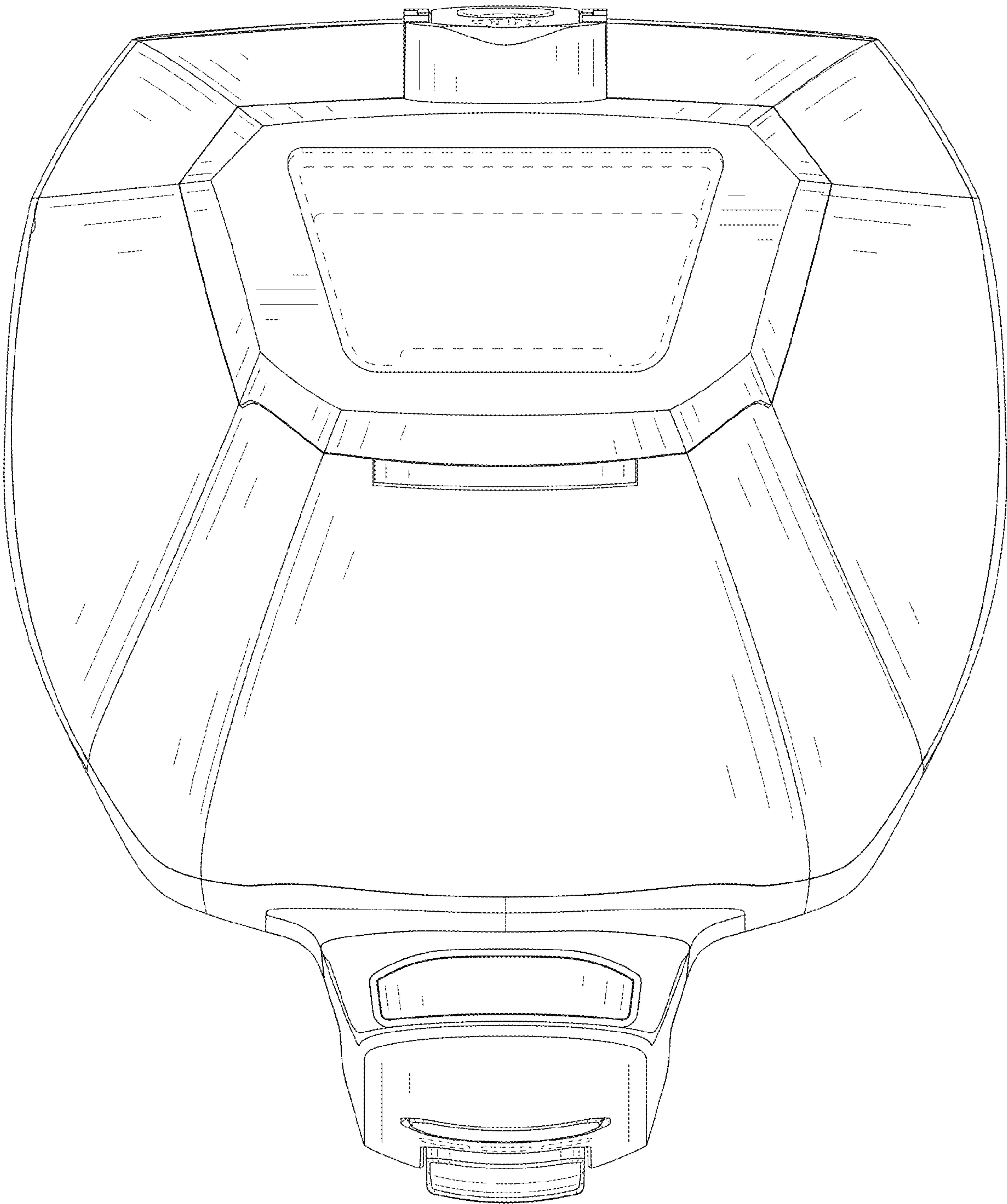


FIG. 10

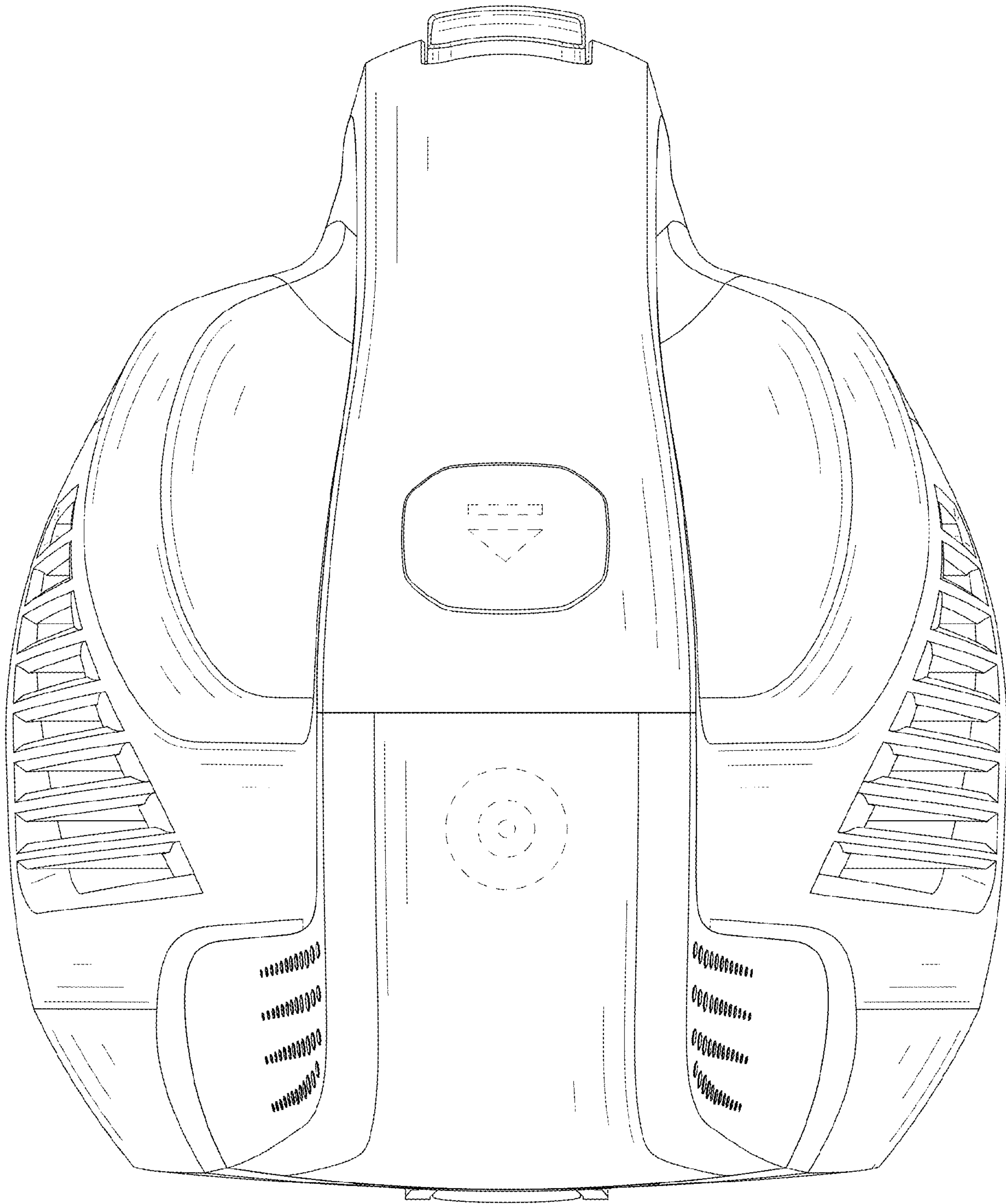


FIG. 11