



US00D882192S

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

(10) **Patent No.:** **US D882,192 S**

(45) **Date of Patent:** **** Apr. 21, 2020**

(54) **CAR VACUUM CLEANER**

(71) Applicant: **NANJING YANTU AUTO SUPPLIES LTD.**, Nanjing, JiangSu Province (CN)

(72) Inventor: **Yongqing Zhang**, Nanjing (CN)

(73) Assignee: **NANJING YANTU AUTO SUPPLIES LTD.**, Nanjing, Jiangsu Province (CN)

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

(21) Appl. No.: **29/628,866**

(22) Filed: **Dec. 8, 2017**

(30) **Foreign Application Priority Data**

Jul. 24, 2017 (CN) 2017 3 0328202

(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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D297,377 S * 8/1988 Chui D32/18
D401,021 S * 11/1998 Stephens D32/18

D421,671 S * 3/2000 Thomas D32/18
D441,926 S * 5/2001 Stratford D32/18
D448,894 S * 10/2001 Yuen D32/18
D509,930 S * 9/2005 Stratford D32/18
D569,059 S * 5/2008 Stratford D32/18
D608,063 S * 1/2010 Okuda D32/18
D660,527 S * 5/2012 Kawase D32/18
D720,102 S * 12/2014 Gu D32/18
D792,039 S * 7/2017 Yoon D32/18
D806,331 S * 12/2017 Chu D32/18
D844,266 S * 3/2019 Wang D32/18

* cited by examiner

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Cheng-Ju Chiang

(57) **CLAIM**

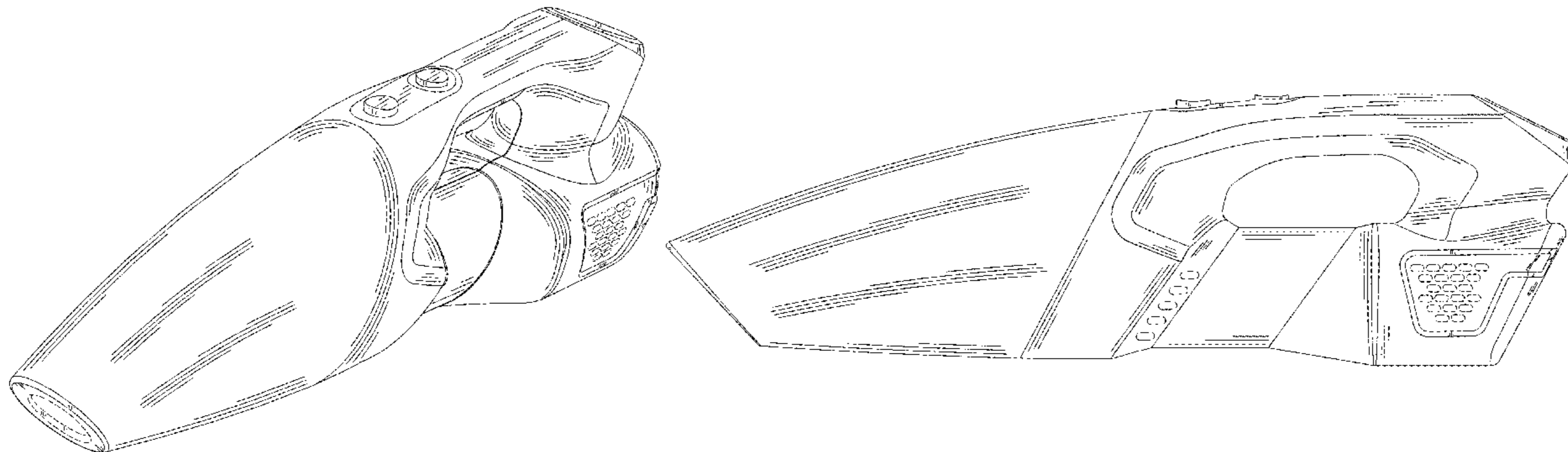
The ornamental design for a car vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a car vacuum cleaner in accordance with my design;
FIG. 2 is a front plan view thereof;
FIG. 3 is rear side view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

The details shown in broken lines form no part of the claimed design.

1 Claim, 7 Drawing Sheets



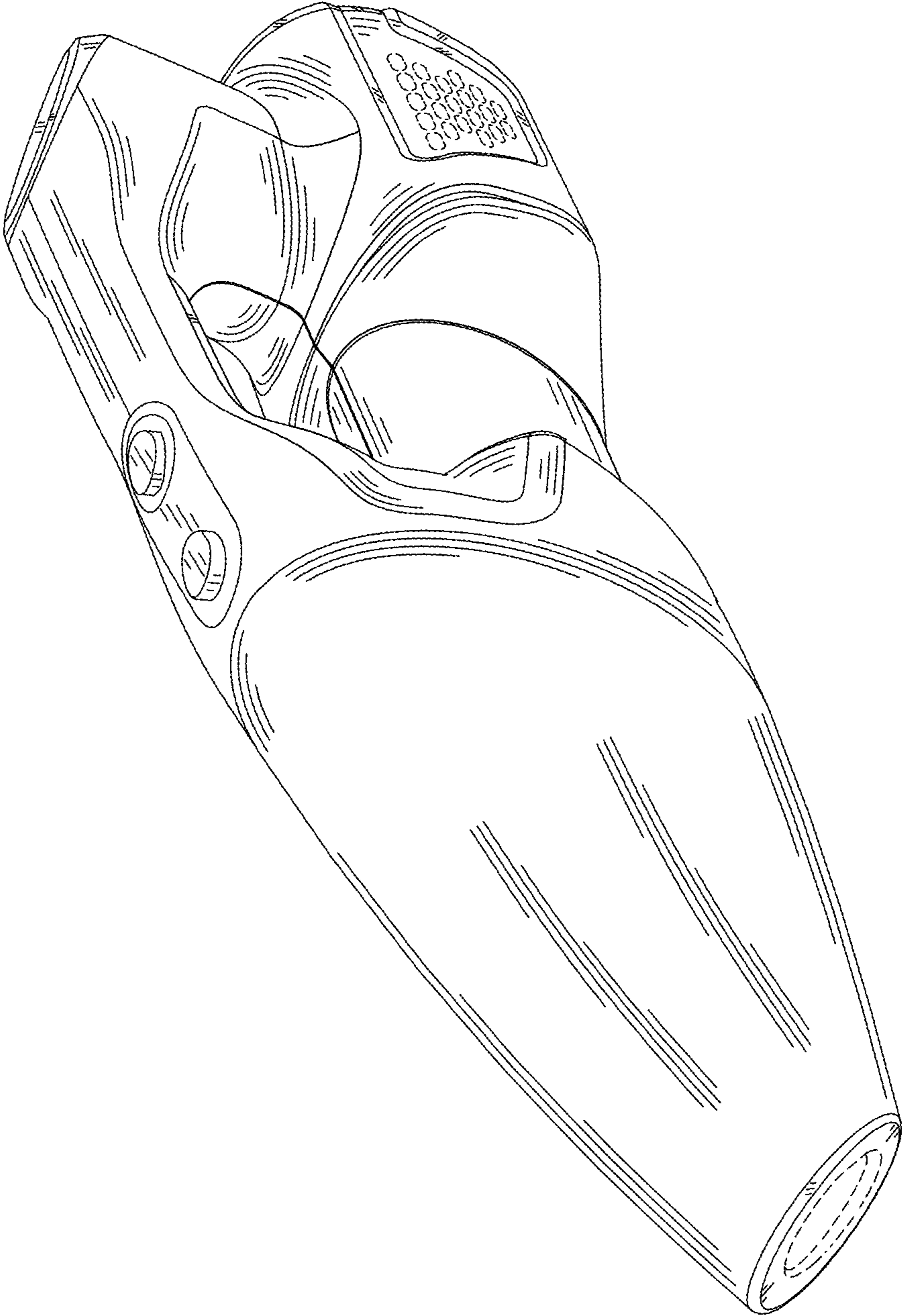


FIG. 1

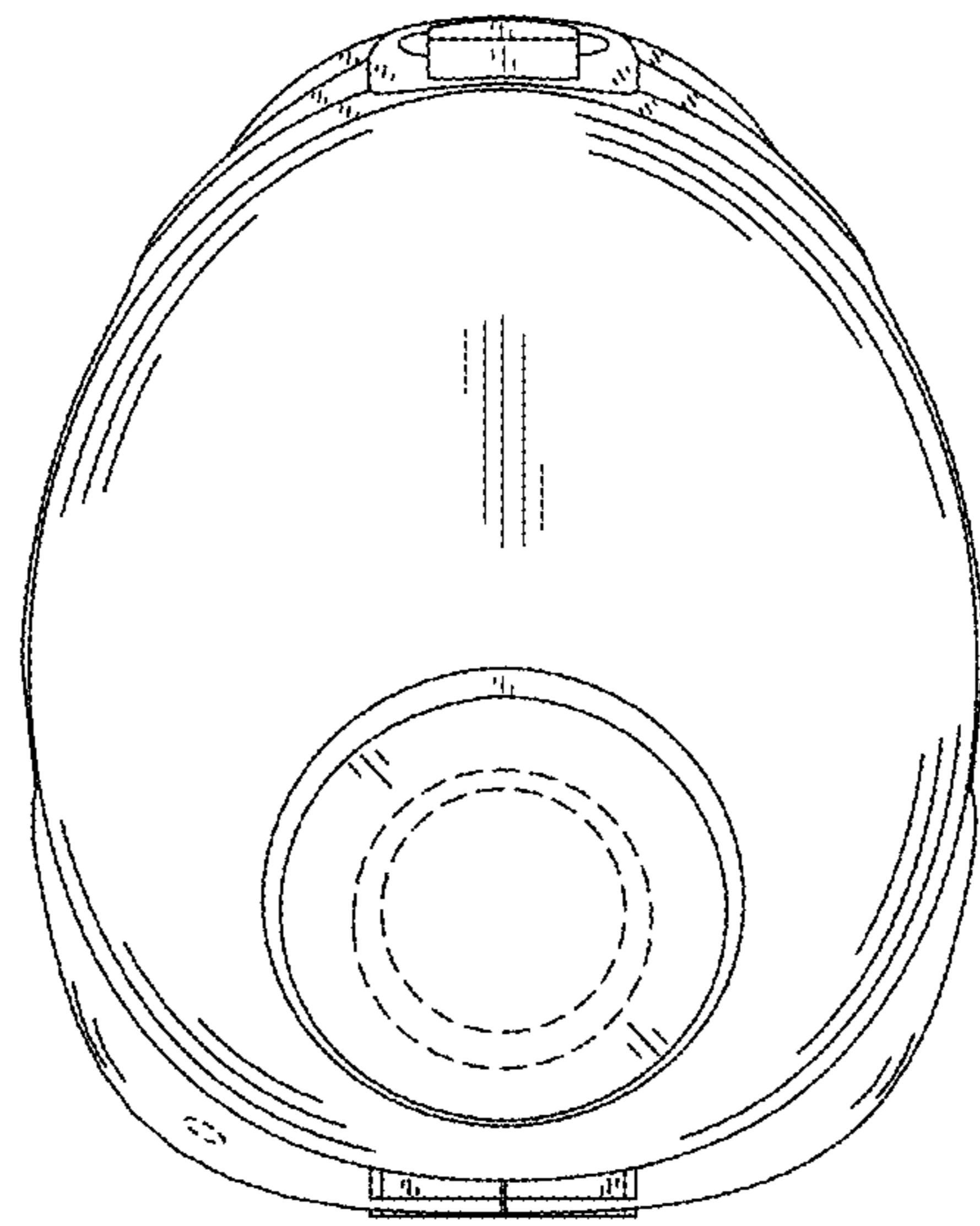


FIG. 2

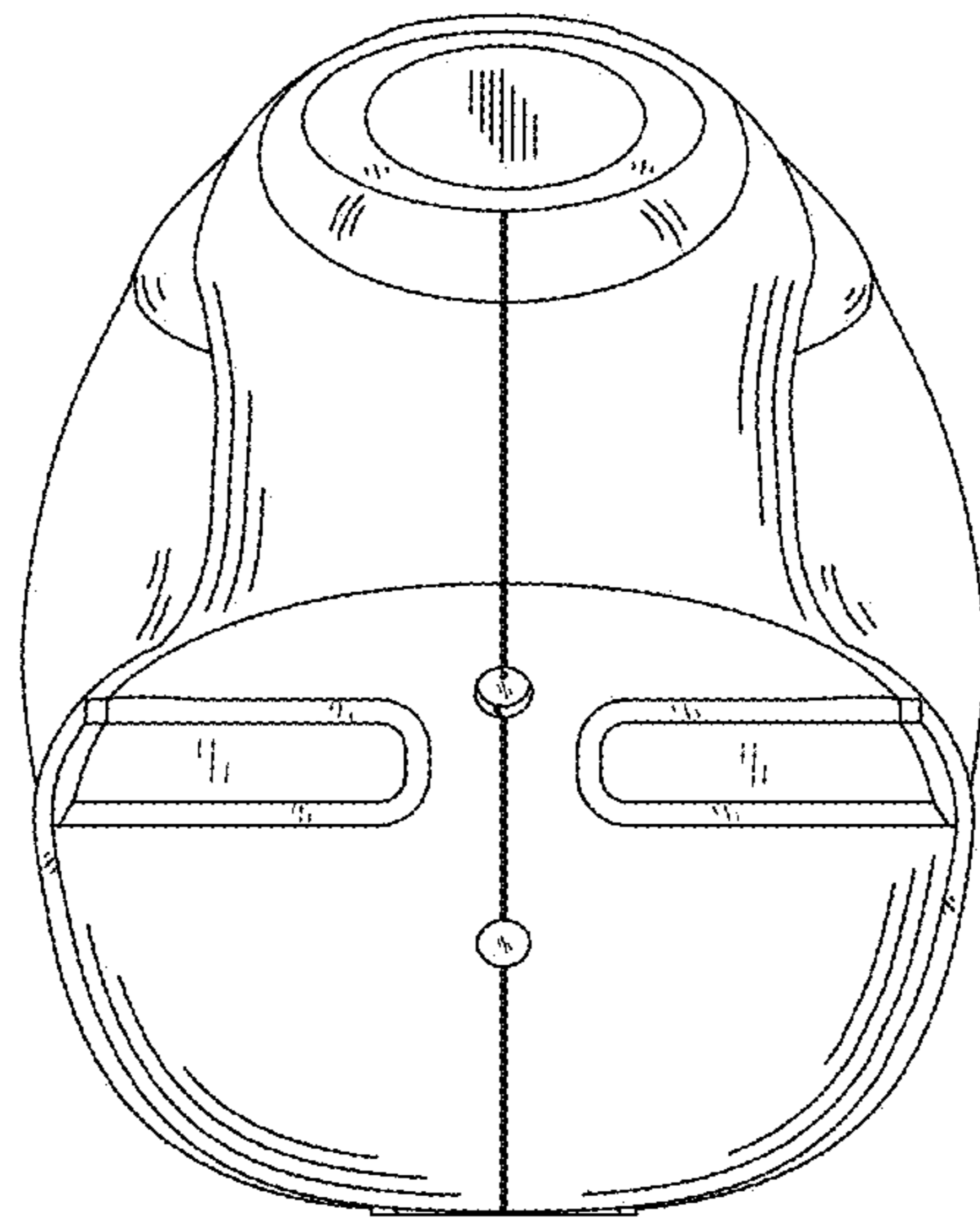


FIG. 3

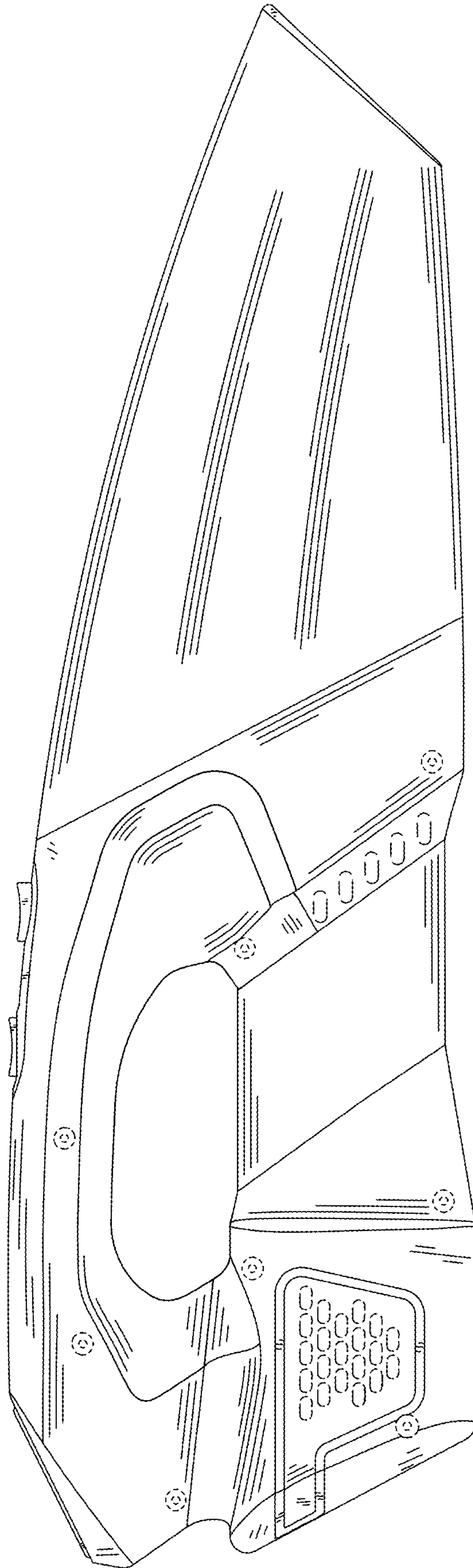


FIG. 4

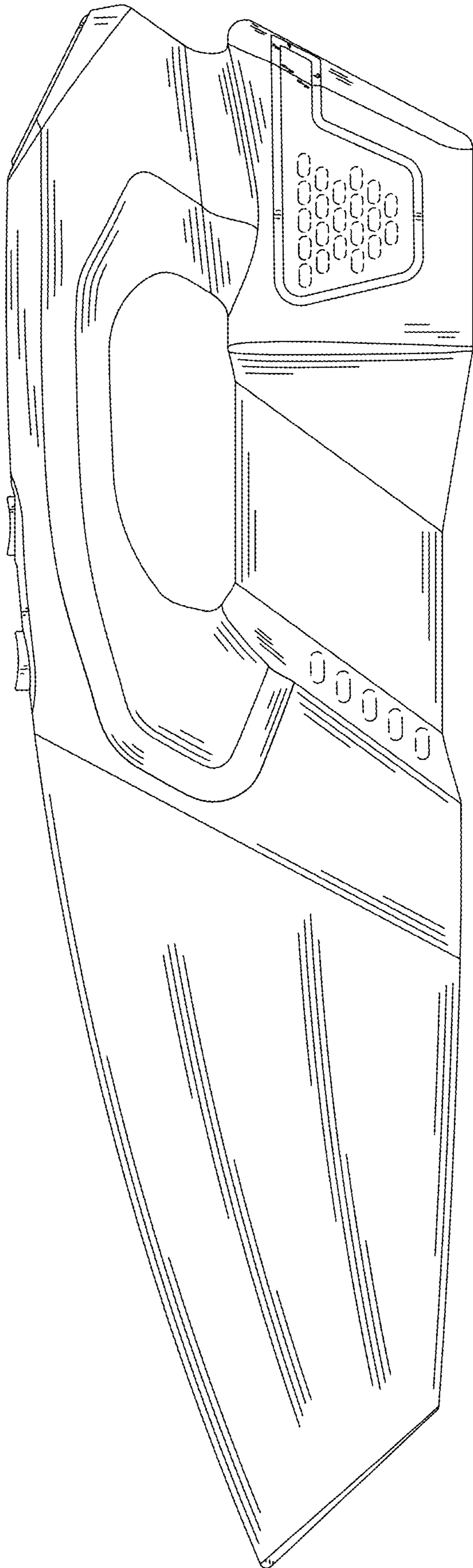


FIG. 5

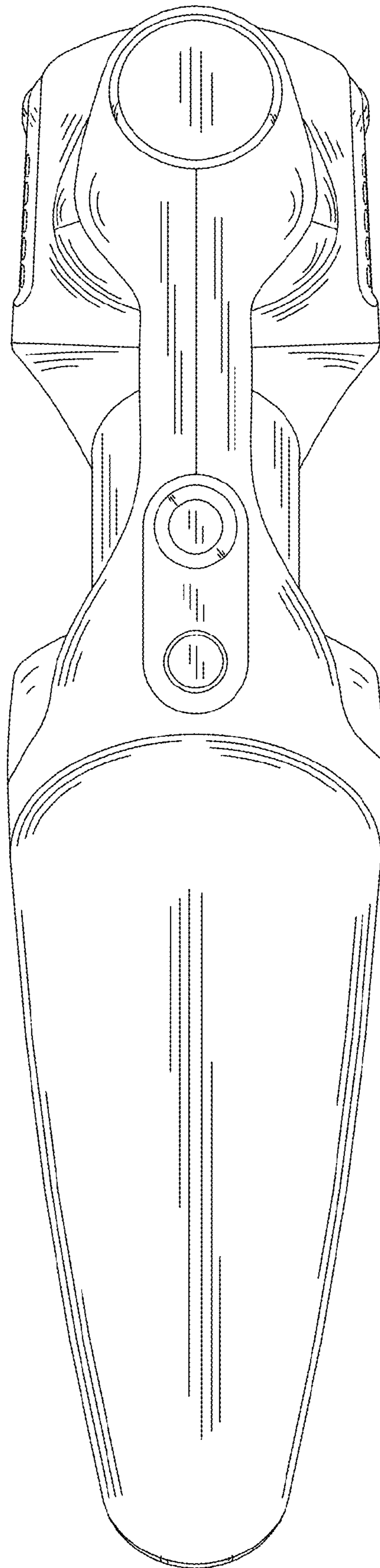


FIG. 6

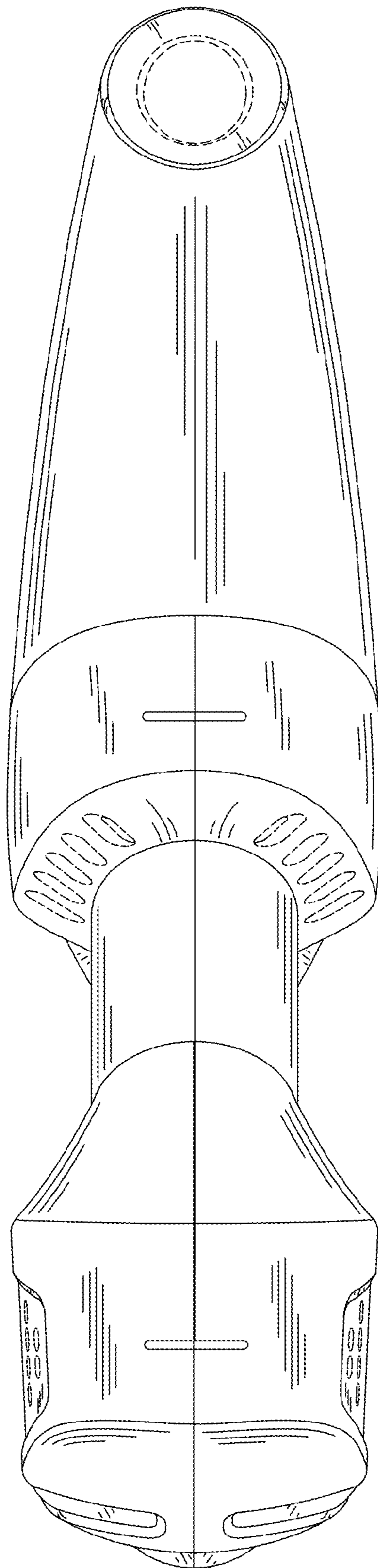


FIG. 7