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

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(54) **HAND HELD VACUUM CLEANER**

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(73) **Assignee: Black & Decker Inc., Newark, DE (US)**

(* **Notice:** This patent is subject to a terminal disclaimer.

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

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Search** D32/17-18, 21, D32/25, 31; D28/50; D30/158, 199; D8/30; 15/344, 329, 320, 350, 352, 413, 345, 409, 32; 132/112; 68/222; 134/172, 198, 105

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D192,345 S * 3/1962 Nerheim D32/18
- 4,011,624 A 3/1977 Proett
- 4,209,875 A 7/1980 Pugh et al.
- 4,225,814 A 9/1980 Gantz et al.
- 4,542,557 A 9/1985 Levine
- D298,874 S * 12/1988 Nakamura D32/18
- 4,841,594 A 6/1989 Elson et al.
- D303,025 S * 8/1989 Yamamoto et al. D32/18
- RE33,074 E 10/1989 Levine
- 4,920,606 A 5/1990 Gerke, Jr. et al.
- 4,928,346 A 5/1990 Elson et al.
- 4,928,347 A 5/1990 Kasznai et al.
- 4,934,020 A 6/1990 Jackson
- D312,516 S * 11/1990 Yuen D32/18
- 4,967,443 A 11/1990 Krasznai et al.

- D313,831 S 1/1991 Gildersleeve
- D314,846 S 2/1991 DeBlois
- D315,622 S 3/1991 DeBlois
- D316,921 S 5/1991 Gerke, Jr. et al.
- 5,065,473 A 11/1991 Krasznai et al.
- 5,092,015 A 3/1992 Kosten et al.
- 5,099,545 A 3/1992 Krasznai et al.
- D325,271 S 4/1992 Osit
- 5,105,505 A 4/1992 Reed, Jr.
- 5,134,751 A 8/1992 Reed, Jr. et al.
- 5,331,716 A 7/1994 Hemmann et al.
- D352,141 S 11/1994 Correa et al.
- D355,058 S 1/1995 Phelan
- 5,388,303 A 2/1995 Hemmann et al.
- D356,191 S 3/1995 Phelan
- D371,650 S * 7/1996 Dingelstad D32/18
- D379,690 S 6/1997 Howell et al.
- D381,476 S 7/1997 Hoffman
- D414,905 S * 10/1999 Ho D32/18
- D448,895 S * 10/2001 Andreas D32/18

* cited by examiner

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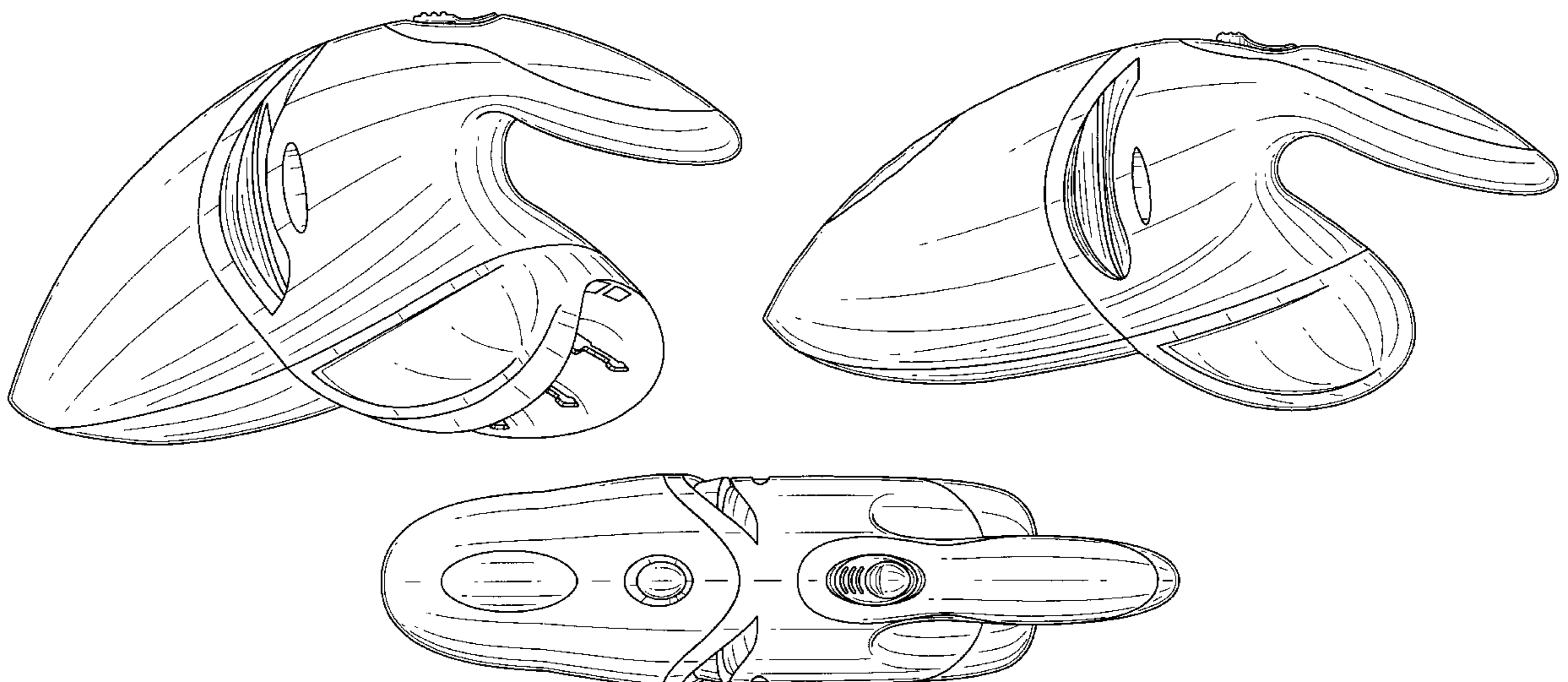
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of hand held vacuum cleaner showing my new design;
 FIG. 2 is a front perspective view thereof;
 FIG. 3 is a side view thereof taken from the side illustrated in FIG. 1;
 FIG. 4 is a side view of the side opposite that illustrated in FIG. 3;
 FIG. 5 is a top view thereof;
 FIG. 6 is a bottom view thereof;
 FIG. 7 is a front view thereof; and,
 FIG. 8 is a rear view.

1 Claim, 7 Drawing Sheets



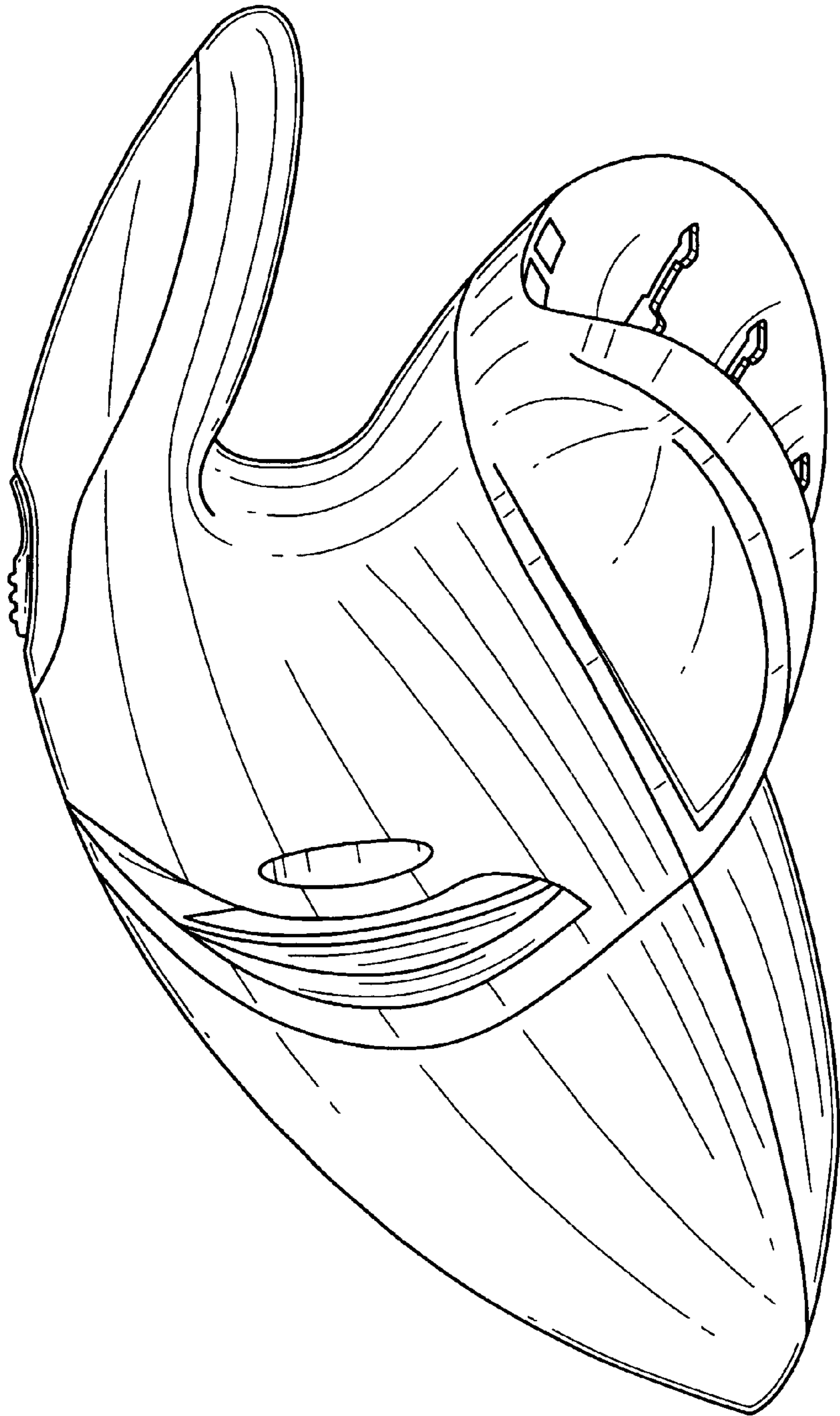


FIG. 1

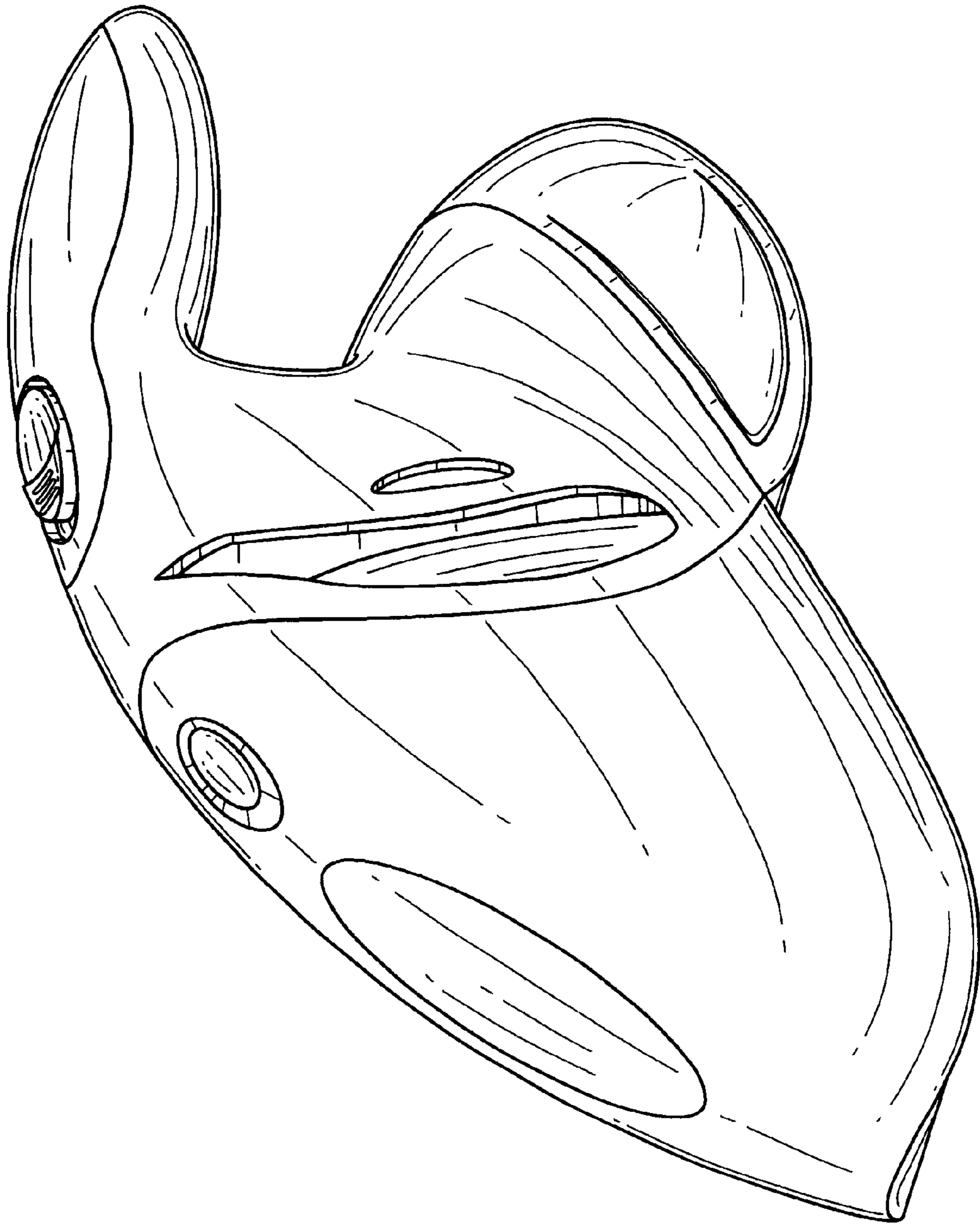


FIG. 2

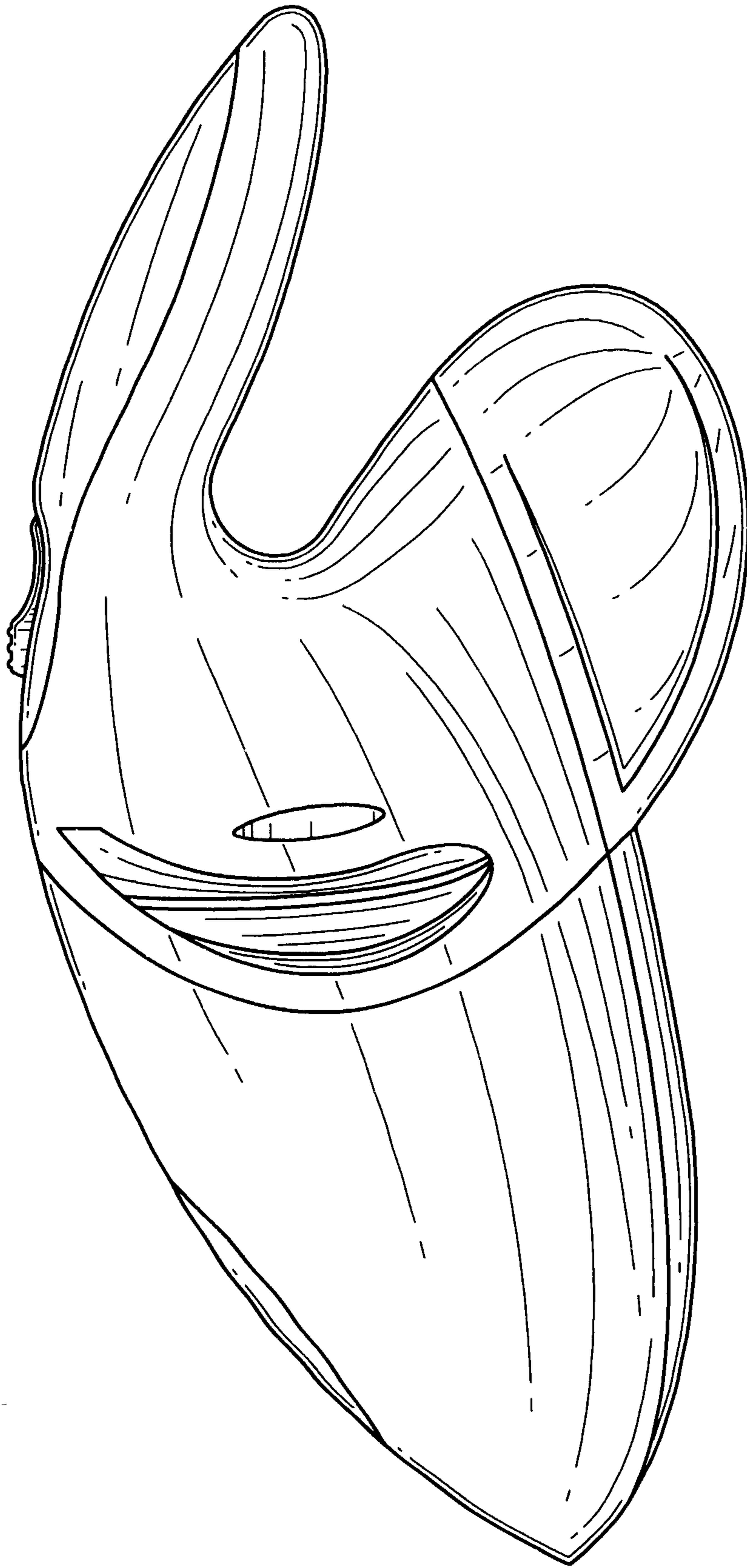


FIG. 3



FIG. 4

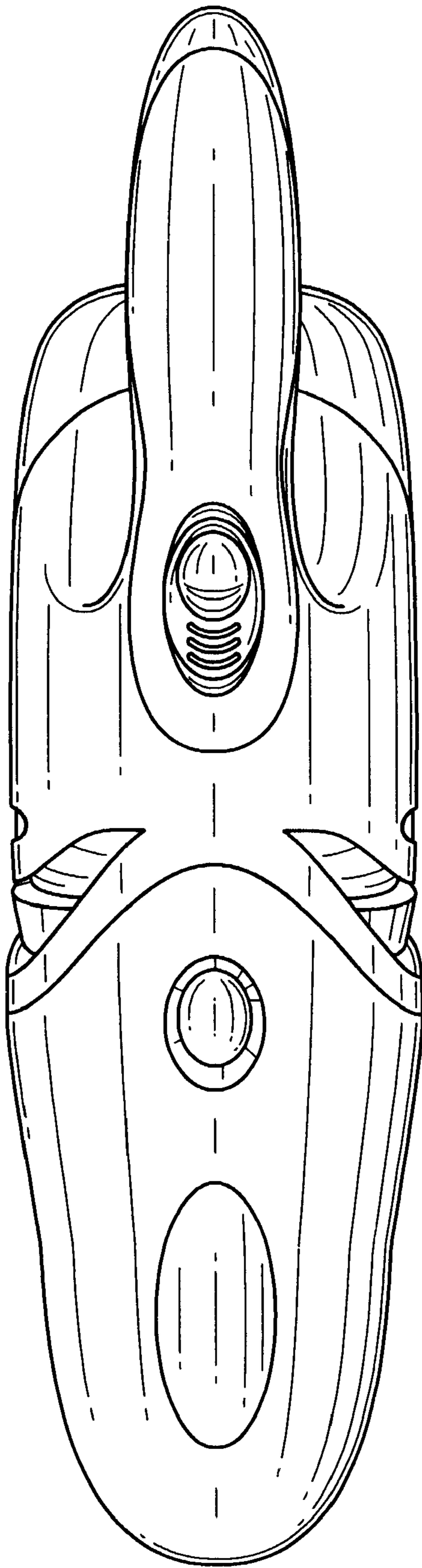


FIG. 5

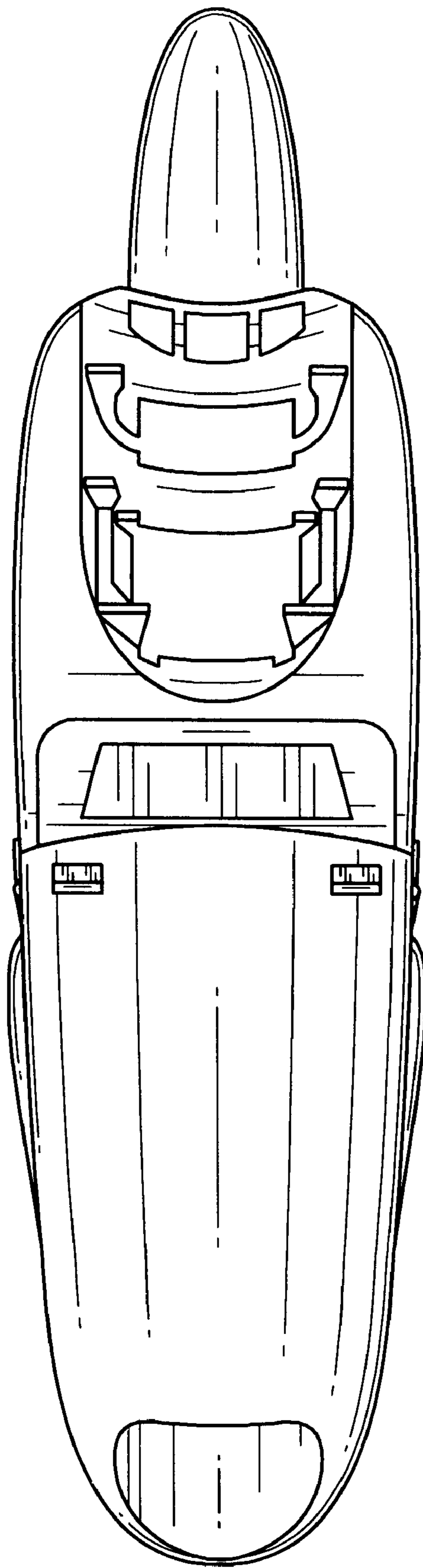


FIG. 6

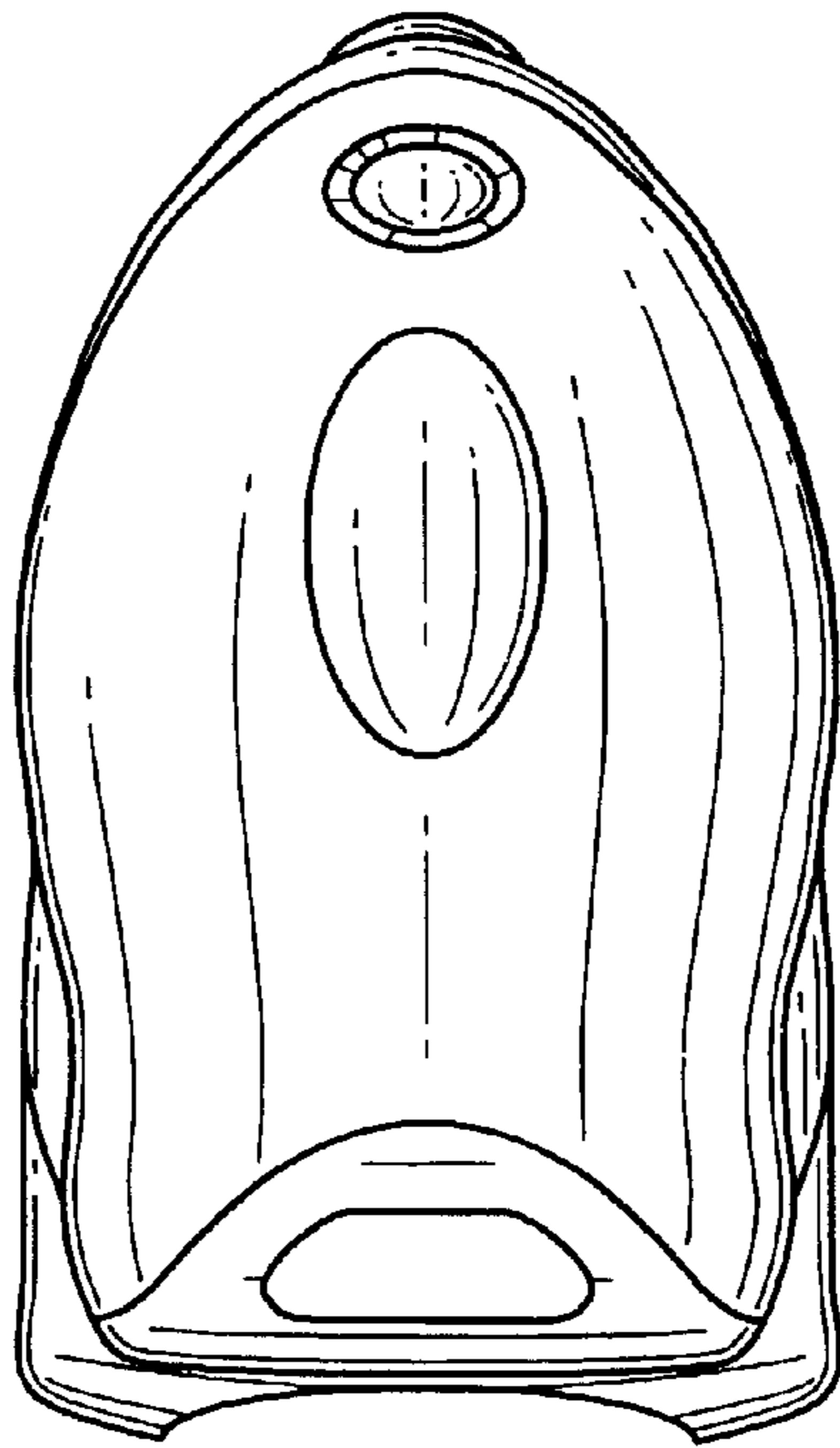


FIG. 7

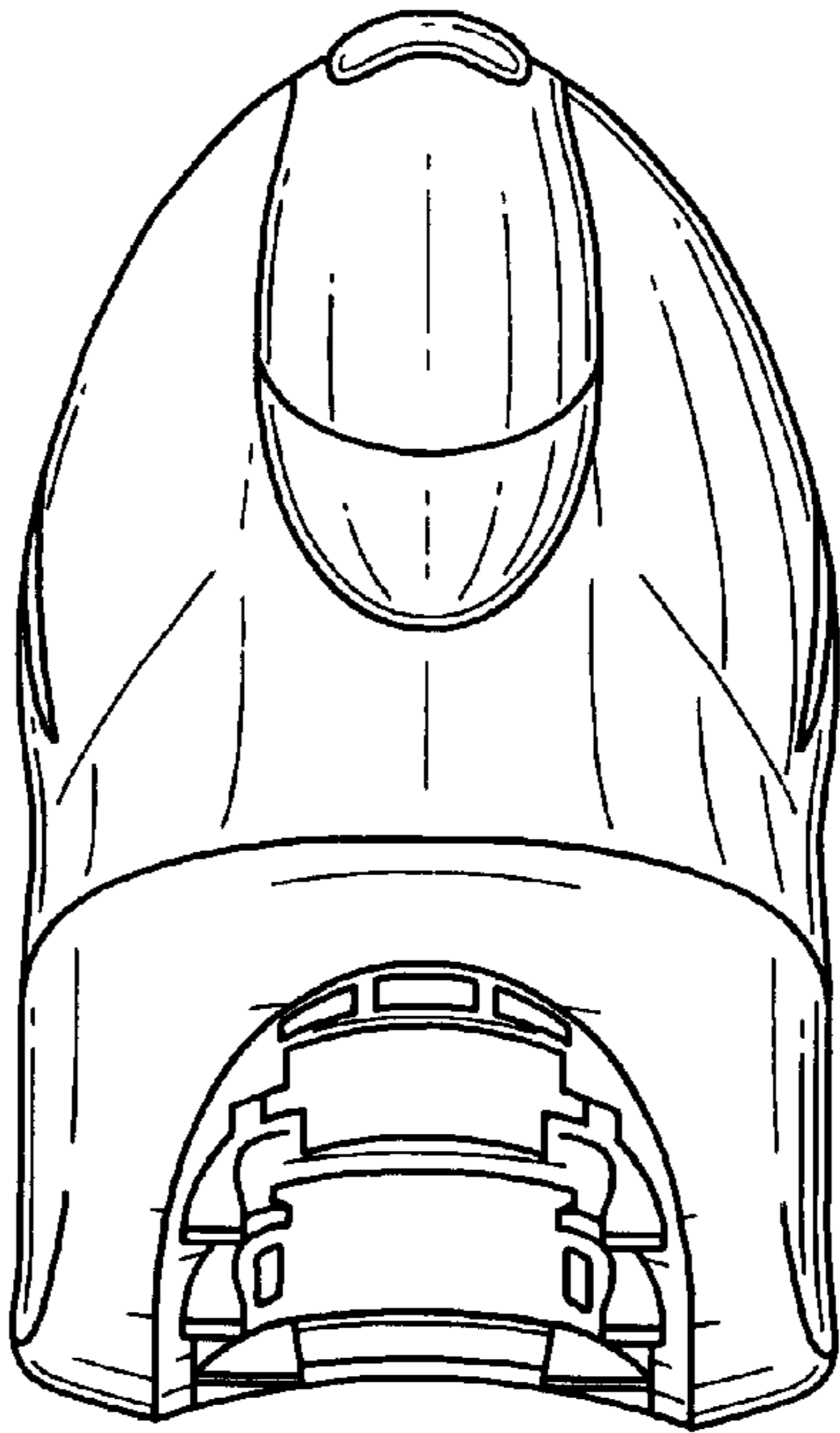


FIG. 8