



US00D476120S

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

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(54) **VACUUM CLEANER**

(76) Inventor: **Ming-Sheng Hsu**, 10F, No. 607,
Hsin-Shu Rd., Hsinchuang City, Taipei
Hsien (TW)

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

(21) Appl. No.: **29/162,547**

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

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

(58) **Field of Search** D32/17-18, 21-24,
D32/31; 15/344, 329, 320-321, 353

(56) **References Cited**

U.S. PATENT DOCUMENTS

D301,646 S	*	6/1989	Yamamoto et al.	.....	D32/18
D305,167 S	*	12/1989	Case et al.	.....	D32/18
D356,191 S	*	3/1995	Phelan	.....	D32/18
D401,021 S	*	11/1998	Stephens et al.	.....	D32/18
D418,262 S	*	12/1999	Yuen	.....	D32/18

D426,037 S	*	5/2000	Roberts et al.	.....	D32/18
D430,365 S	*	8/2000	Roberts et al.	.....	D32/18
D435,707 S	*	12/2000	Leung	.....	D32/18
D443,960 S	*	6/2001	Shimko et al.	.....	D32/18

* cited by examiner

Primary Examiner—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Rabin & Berdo, P.C.

(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner, showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

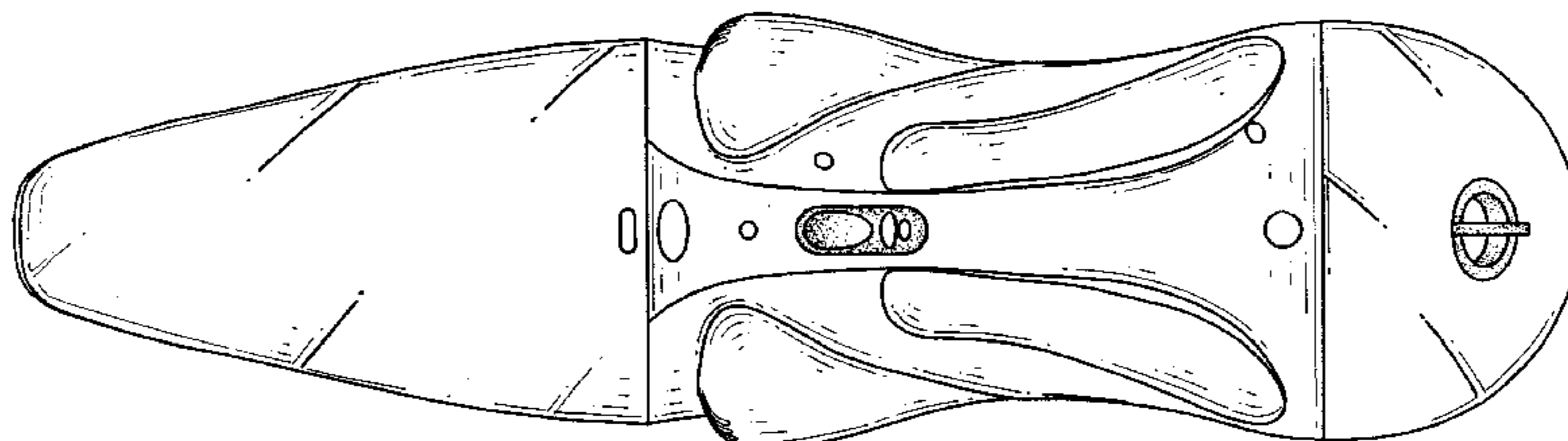
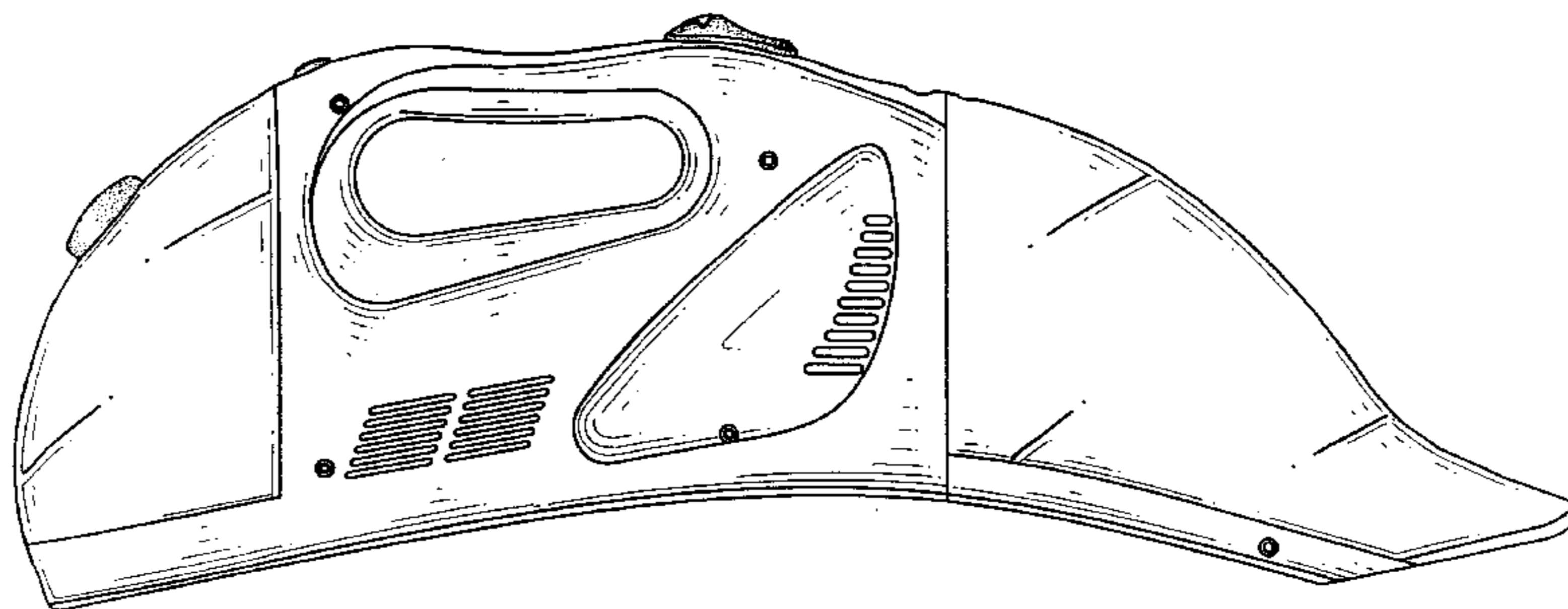
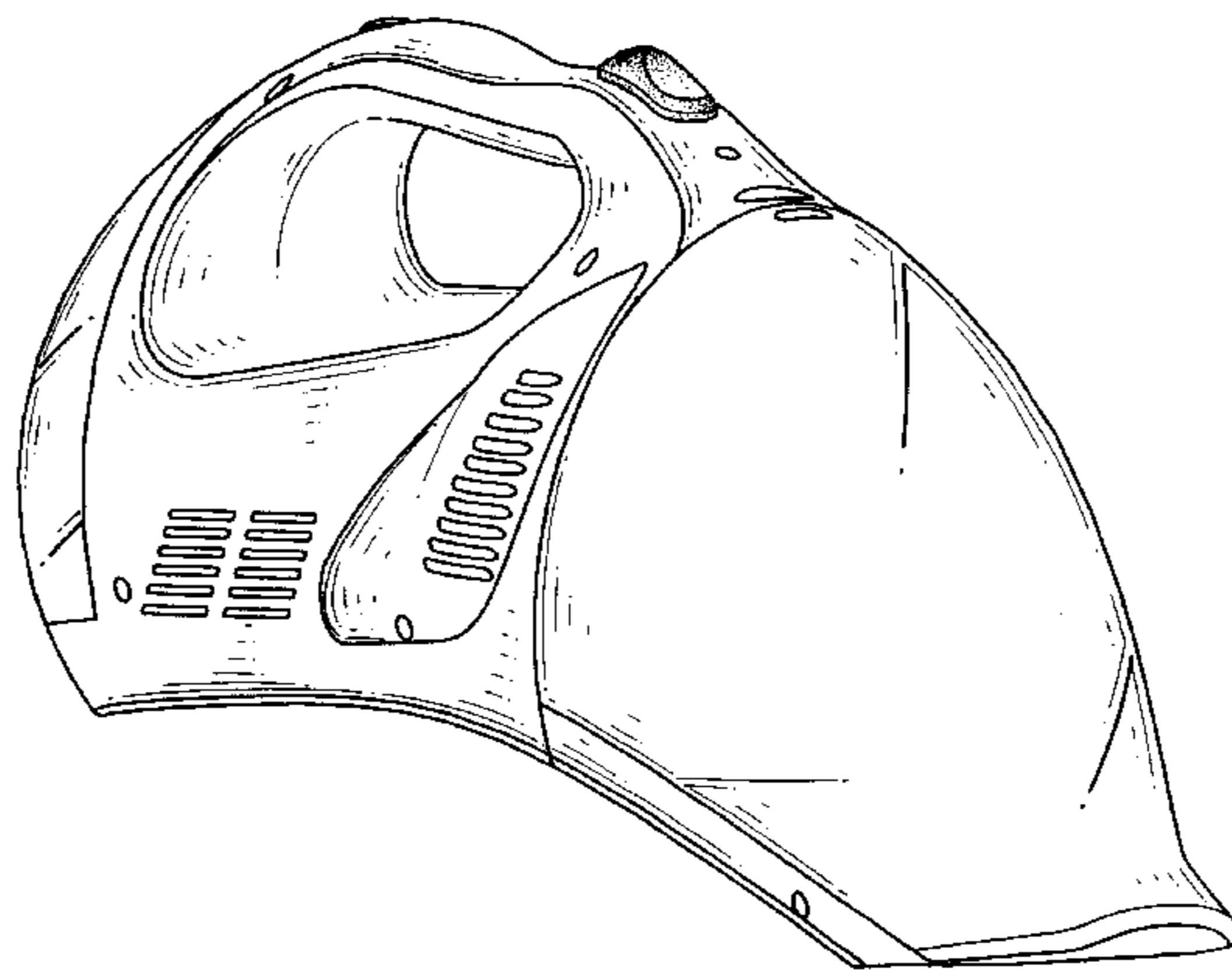
FIG. 4 is a left elevational view thereof;

FIG. 5 is a right elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

1 Claim, 6 Drawing Sheets



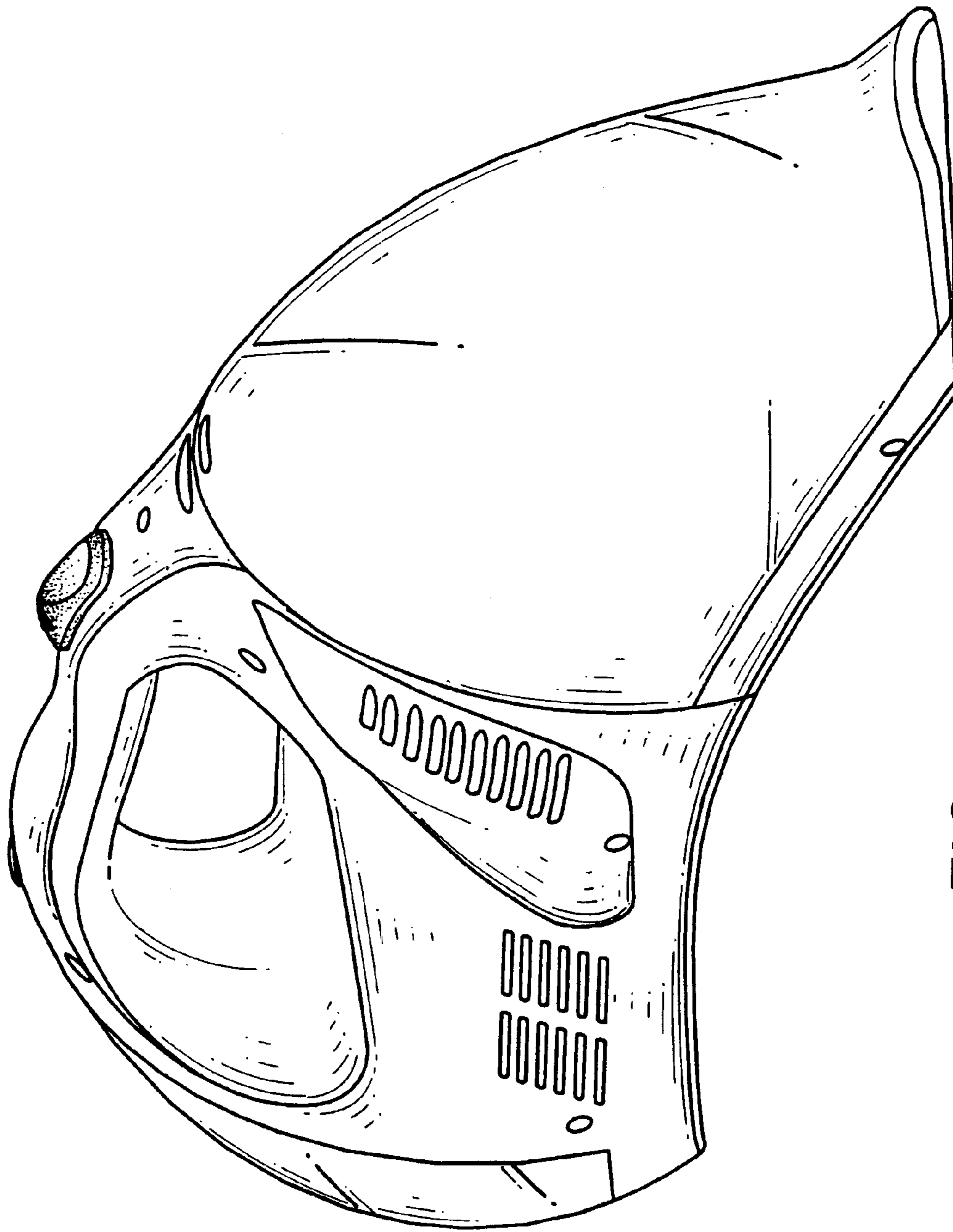


FIG. 1

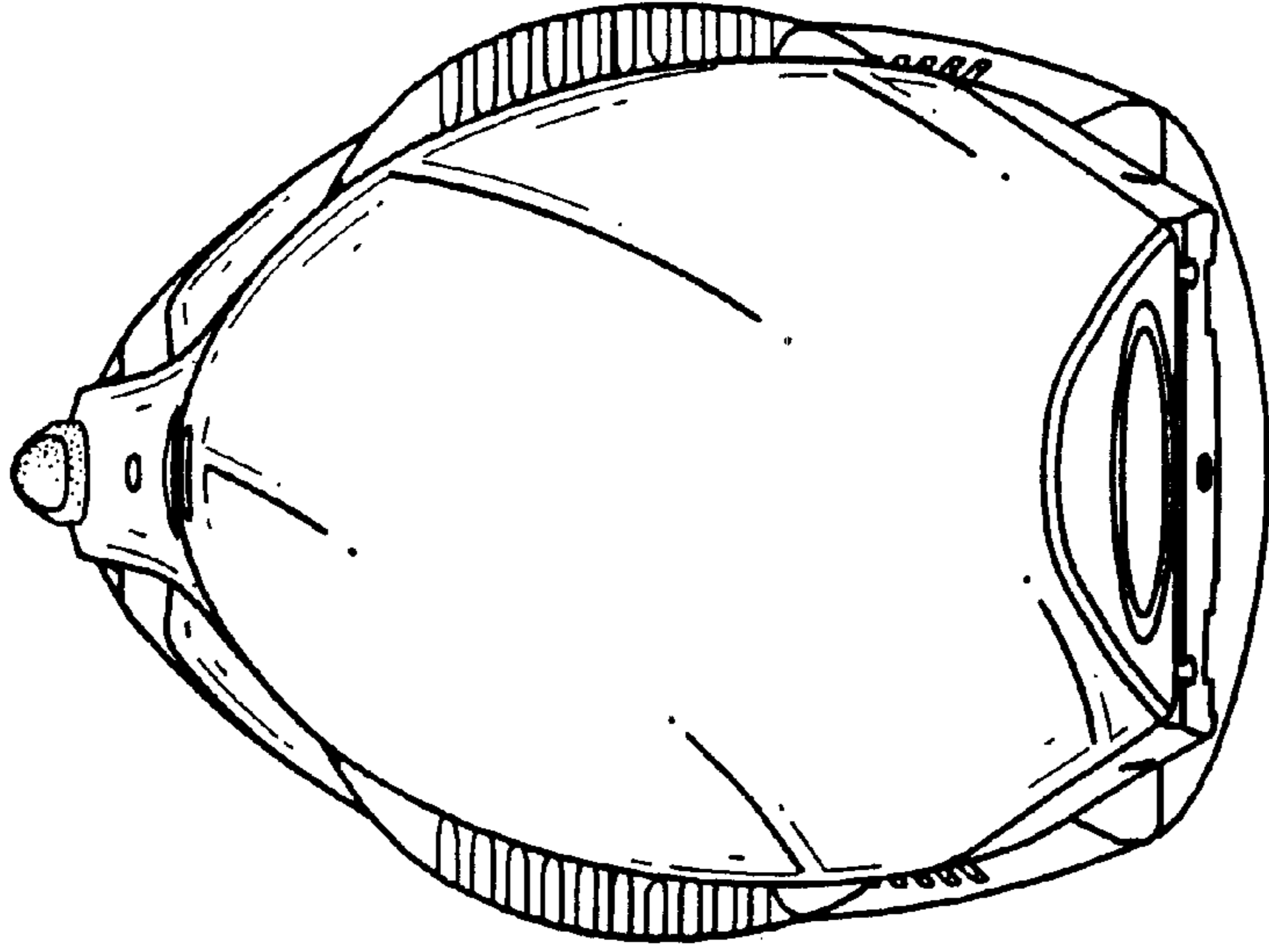


FIG. 2

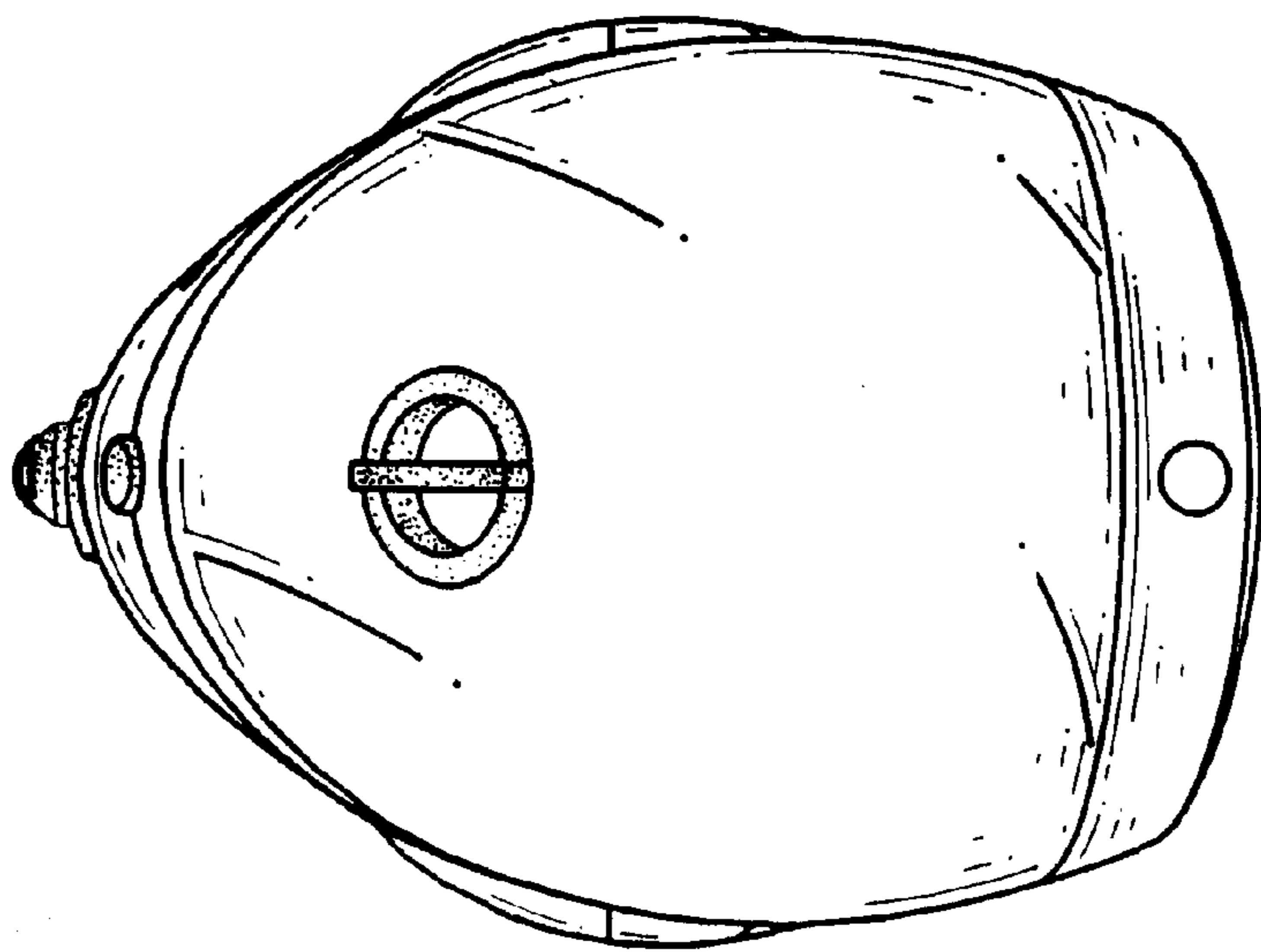


FIG. 3

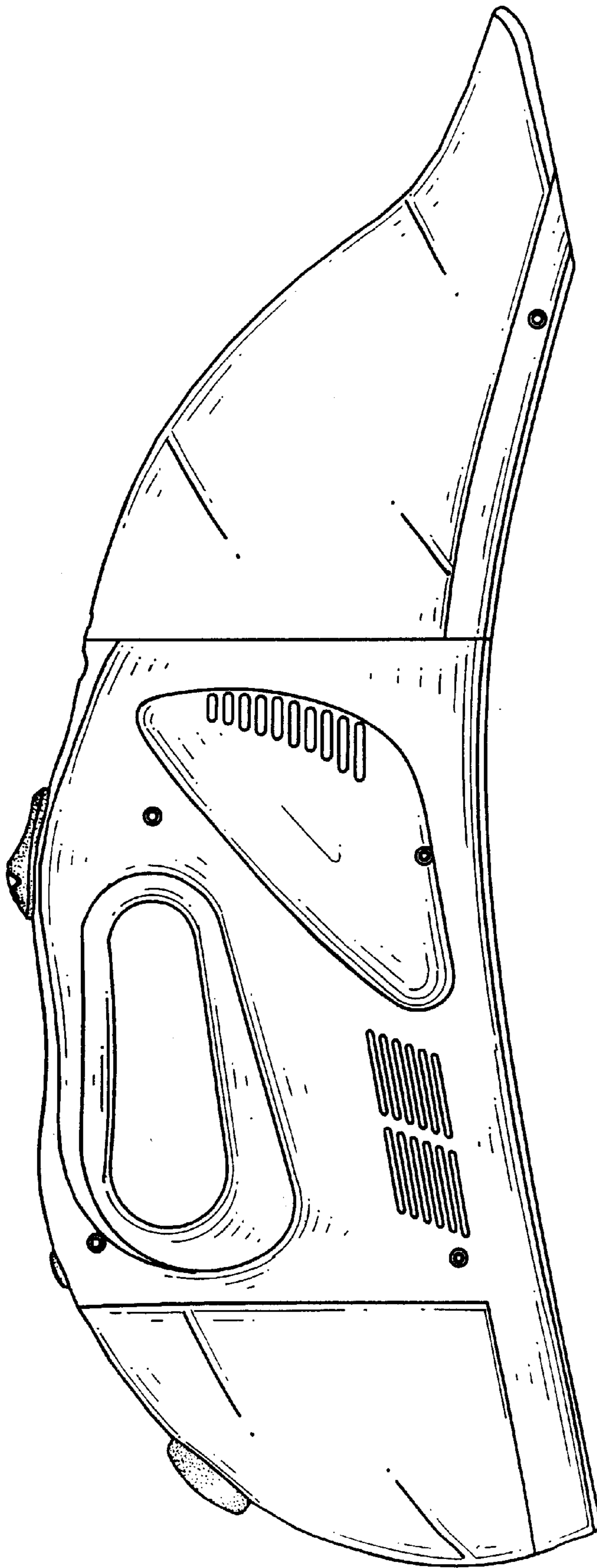


FIG. 4

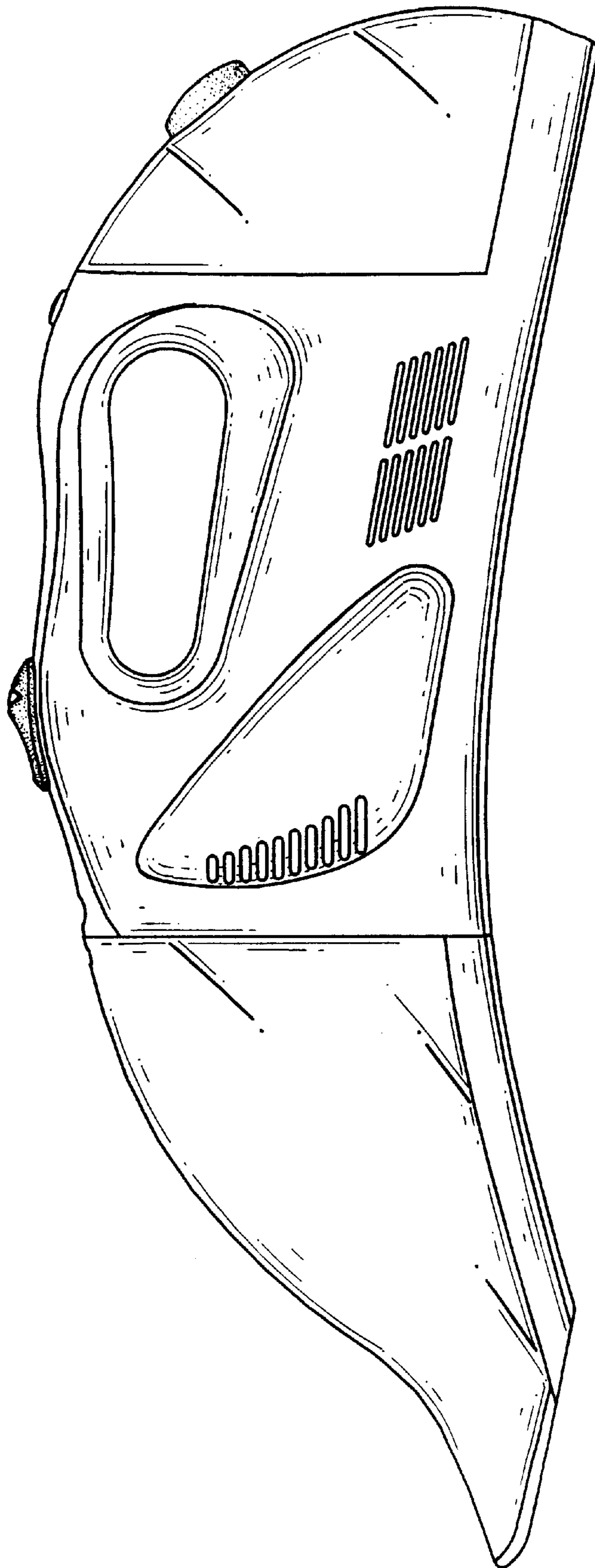


FIG. 5

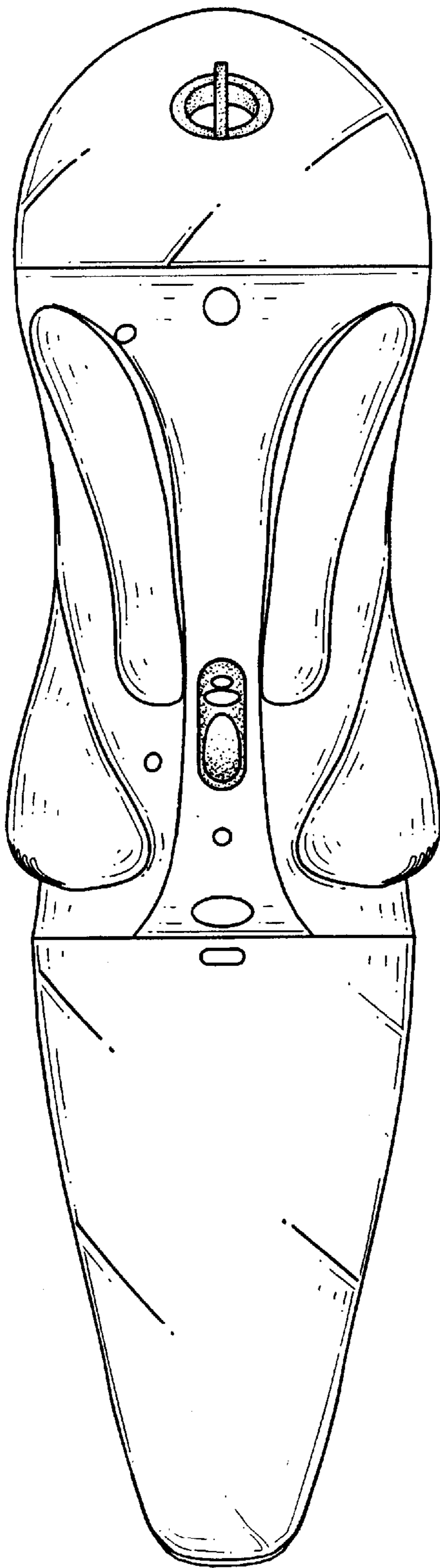


FIG. 6

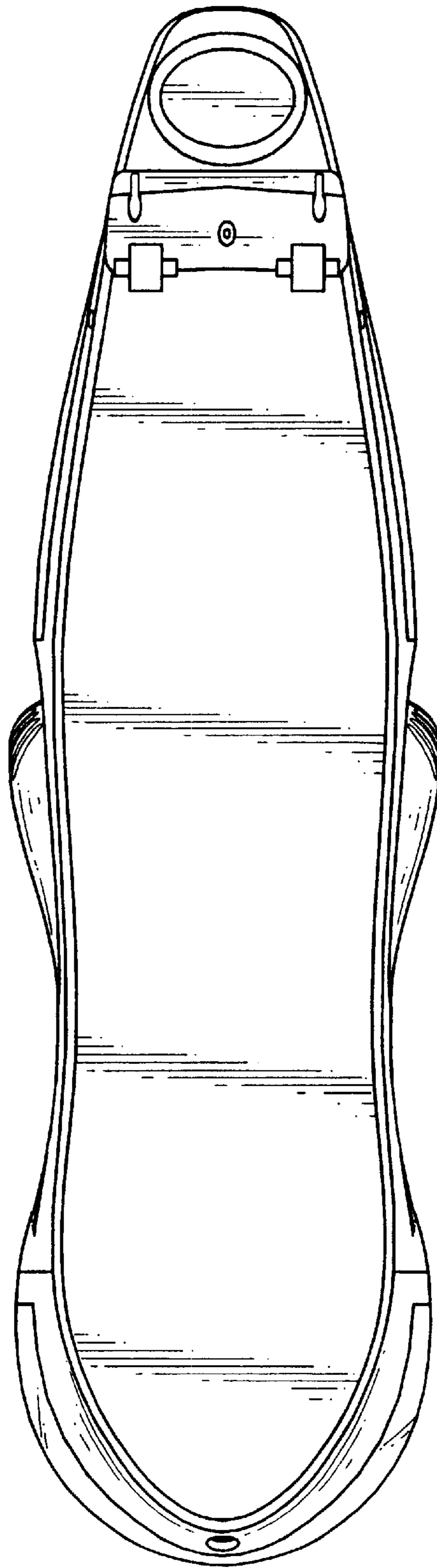


FIG. 7