



US00D446363S

(12) **United States Design Patent**
Sato et al.

(10) **Patent No.:** **US D446,363 S**

(45) **Date of Patent:** **** Aug. 7, 2001**

(54) **ELECTRIC VACUUM CLEANER**
(75) Inventors: **Takashi Sato**, Osaka; **Takako Tsubaki**, Suita, both of (JP)

(73) Assignee: **Matsushita Electric Industrial Co., Ltd.**, Osaka (JP)

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

(21) Appl. No.: **29/121,809**

(22) Filed: **Apr. 13, 2000**

(30) **Foreign Application Priority Data**

Oct. 29, 1999 (JP) 11-29901

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

(52) **U.S. Cl.** **D32/21**

(58) **Field of Search** D32/21, 23-25, D32/31; 15/323, 325, 327.1, 327.2, 327.5, 327.6, 327.7, 320, 412

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D. 338,293 * 8/1993 Kojima et al. D32/21
- D. 344,373 * 2/1994 Haverkamp D32/21
- D. 374,955 10/1996 Umbach .
- D. 376,229 12/1996 Hughes .
- D. 398,093 * 9/1998 Fujima D32/21

- D. 403,475 * 12/1998 Mehaffey et al. D32/21
- D. 416,362 * 11/1999 Lin D32/21
- D. 417,323 * 11/1999 Fujita et al. D32/21

OTHER PUBLICATIONS

Kenmore Canister Vacuums "Power up with new Progressive Canister Vacuums!" brochure, Mutual Industries, 707 W. Grange St., Phila., PA 19120, May 1998.

* cited by examiner

Primary Examiner—Ruth McInroy

(74) *Attorney, Agent, or Firm*—Christensen O'Connor Johnson Kindness PLLC

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the top, front and right side of an electric vacuum cleaner showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom view thereof; FIG. 6 is a right side view thereof; and, FIG. 7 is a left side view thereof.

1 Claim, 3 Drawing Sheets

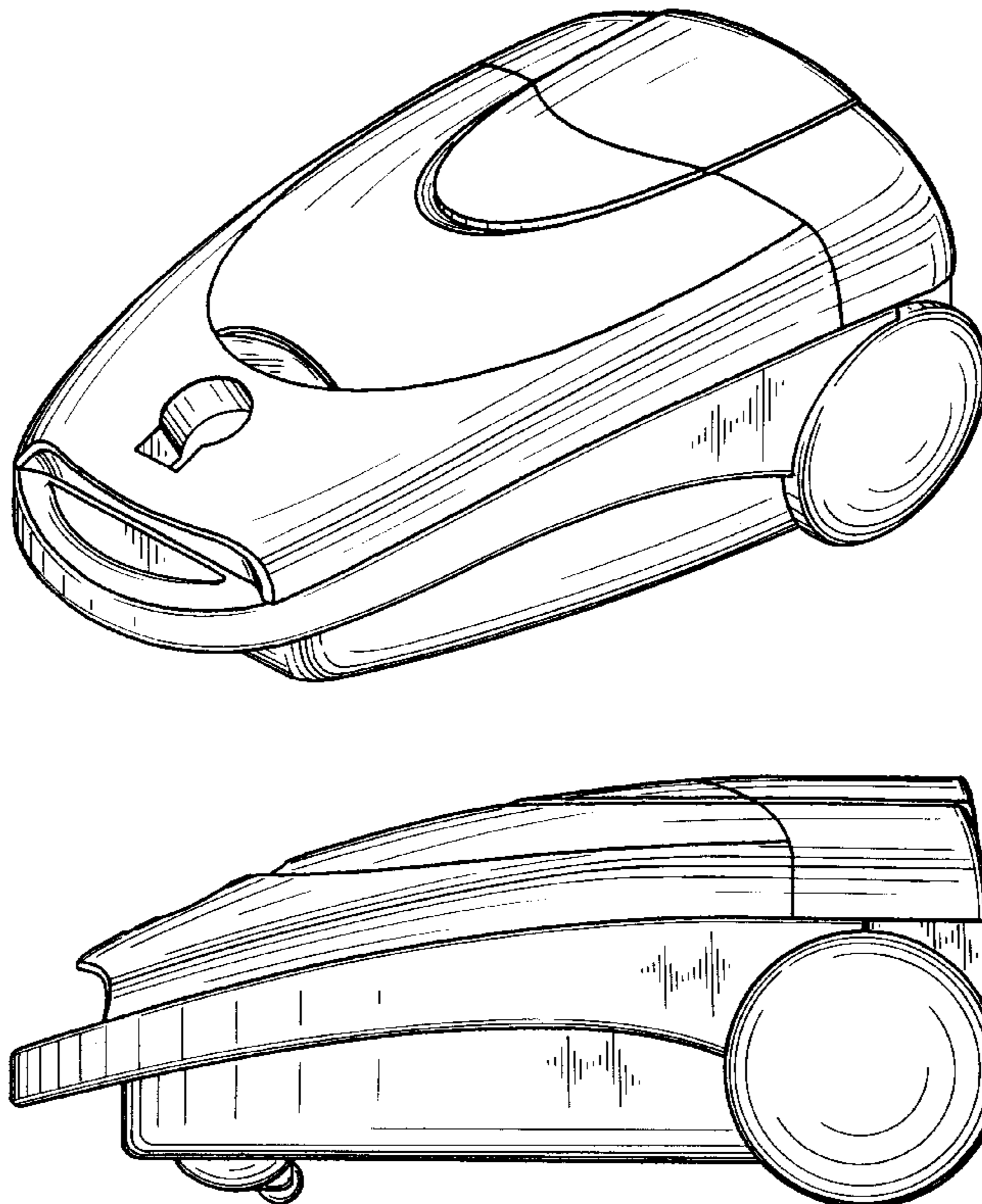


FIG. 1

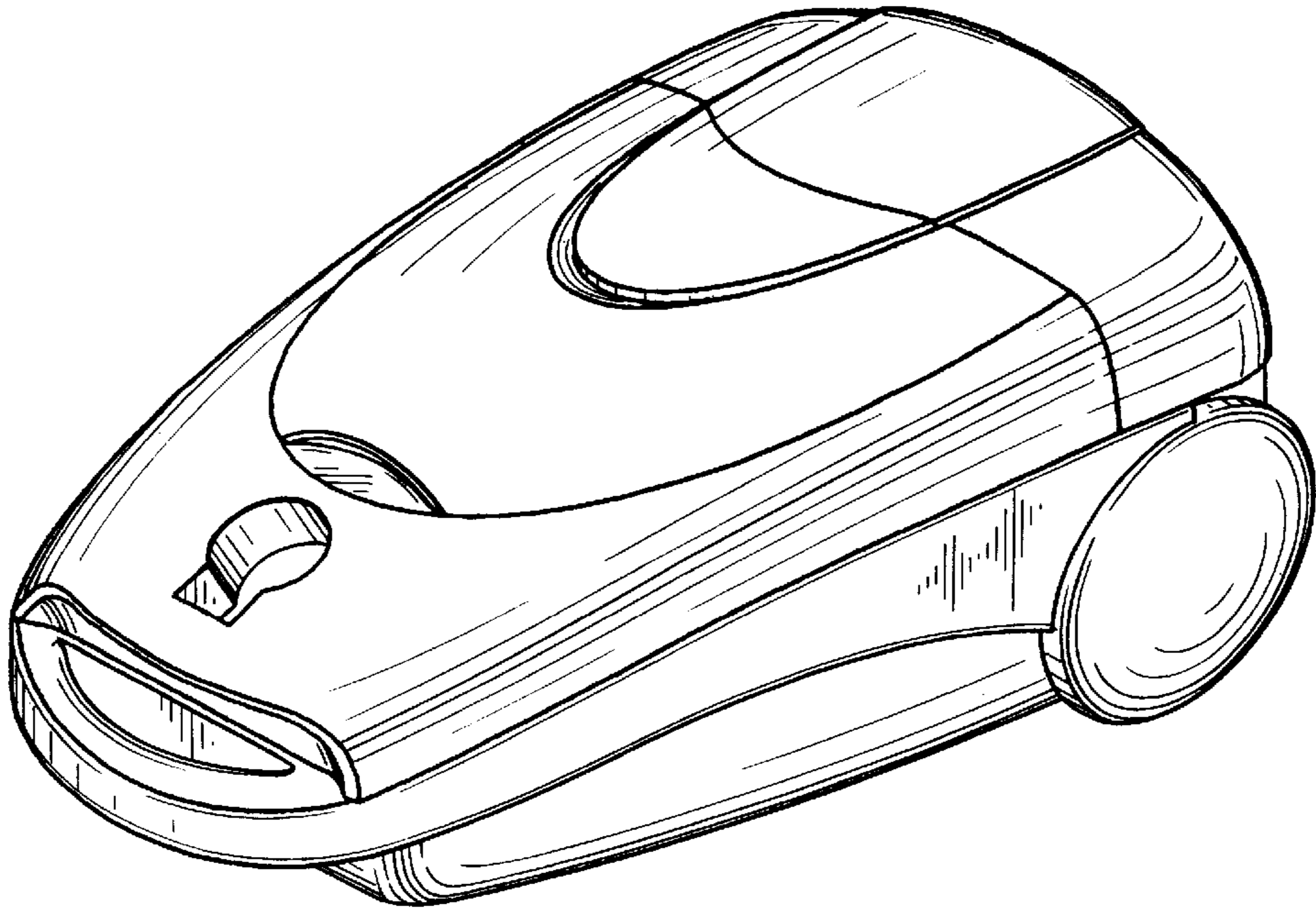


FIG. 2

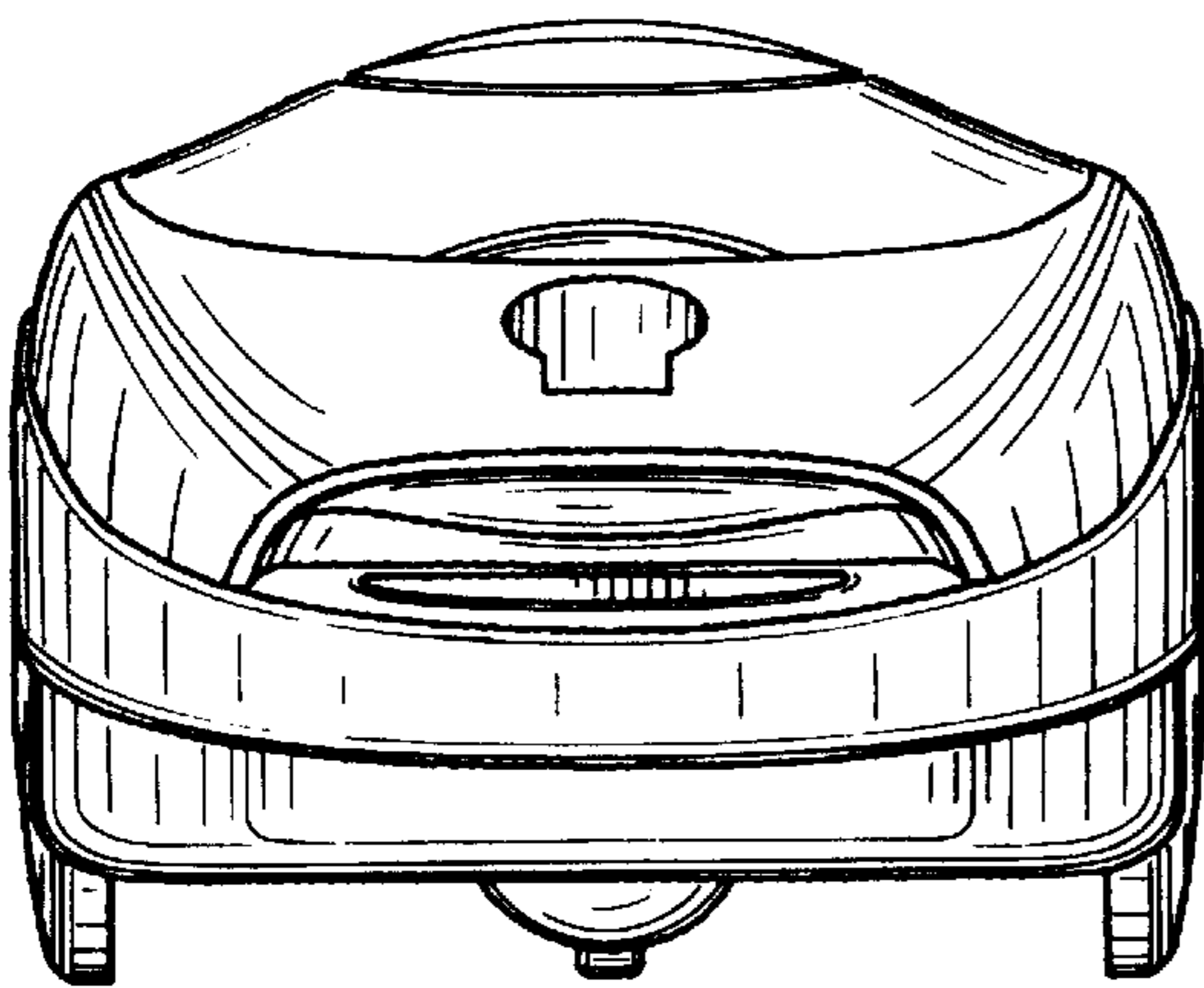


FIG. 3

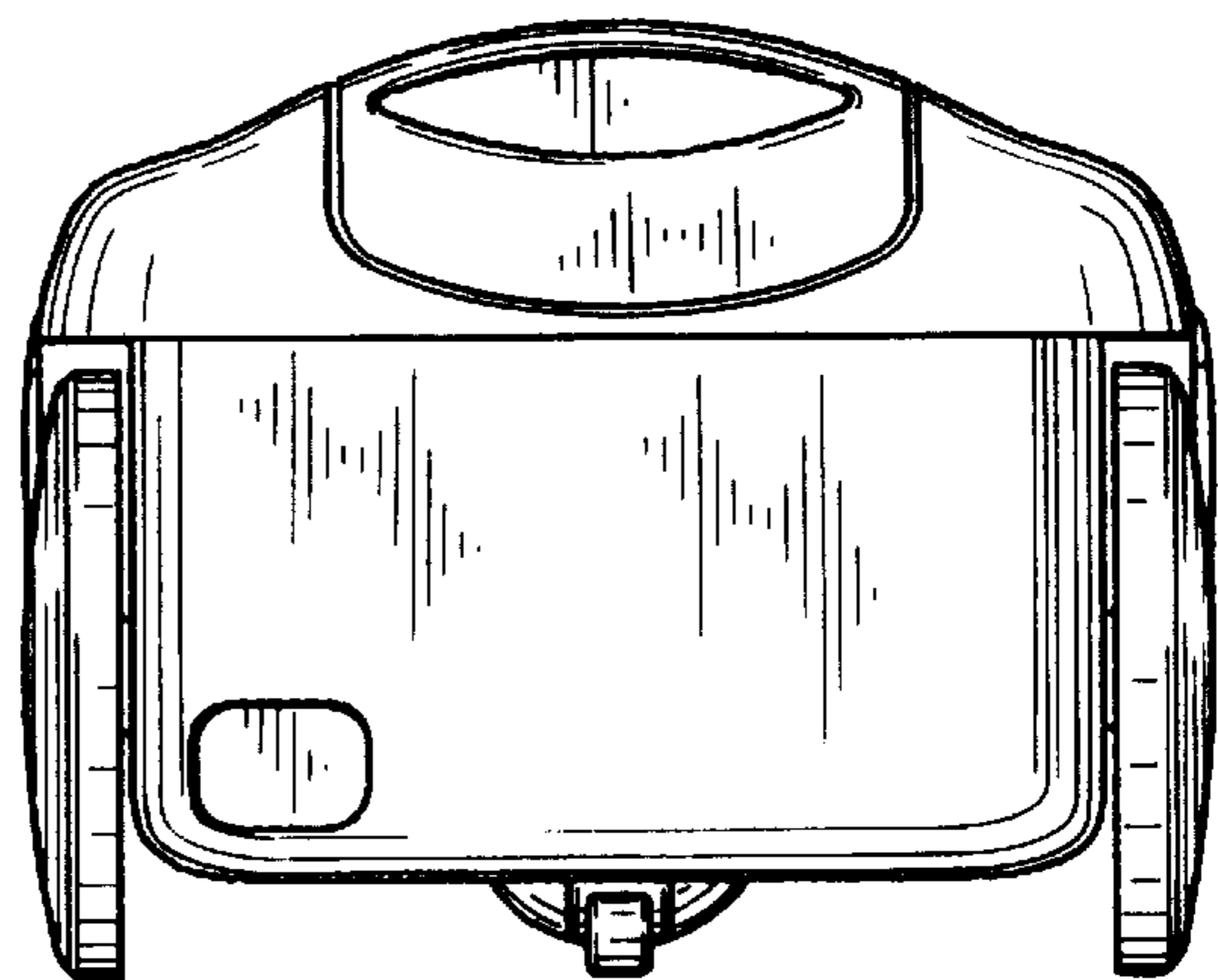


FIG. 4

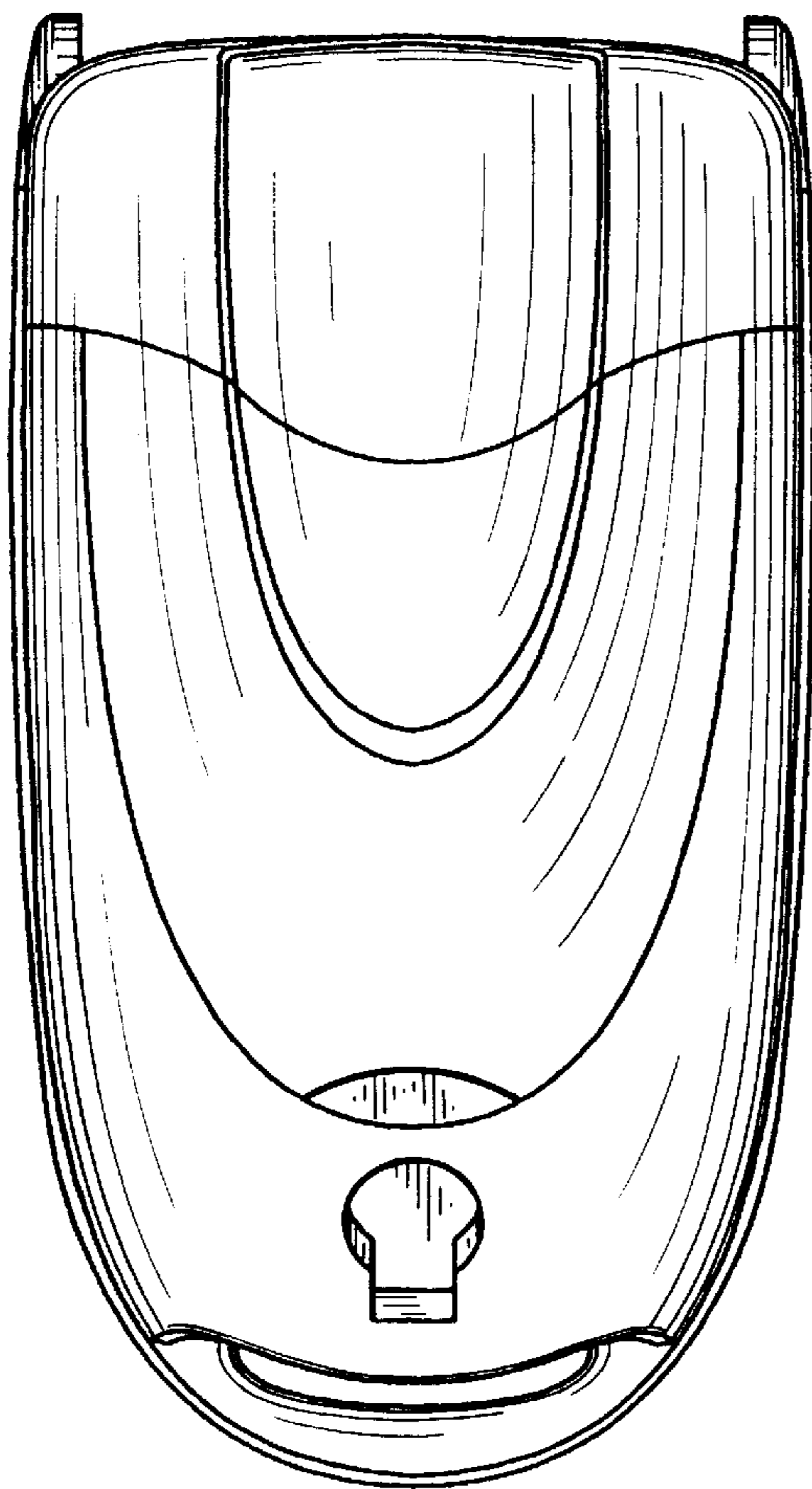


FIG. 5

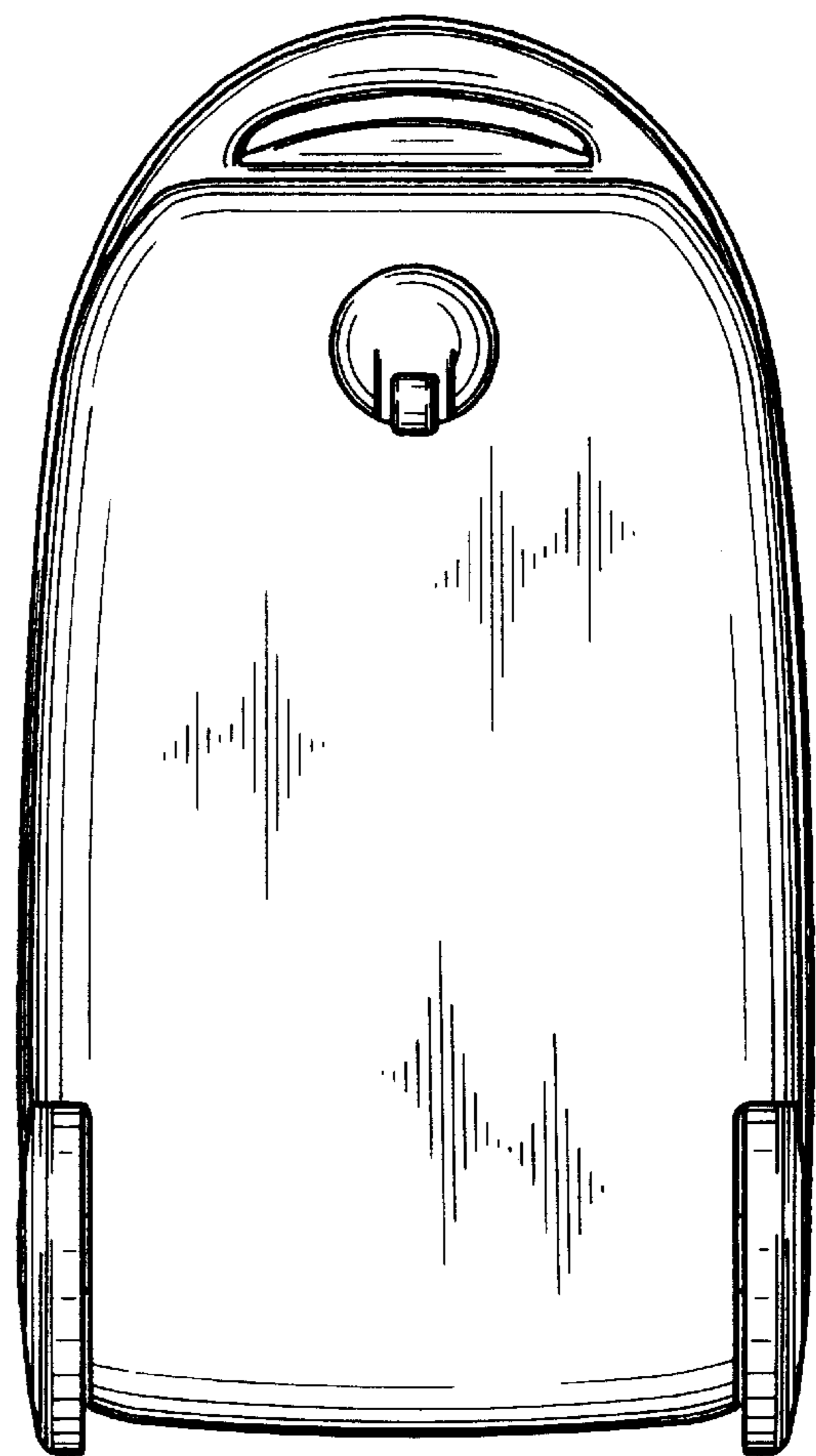


FIG. 6

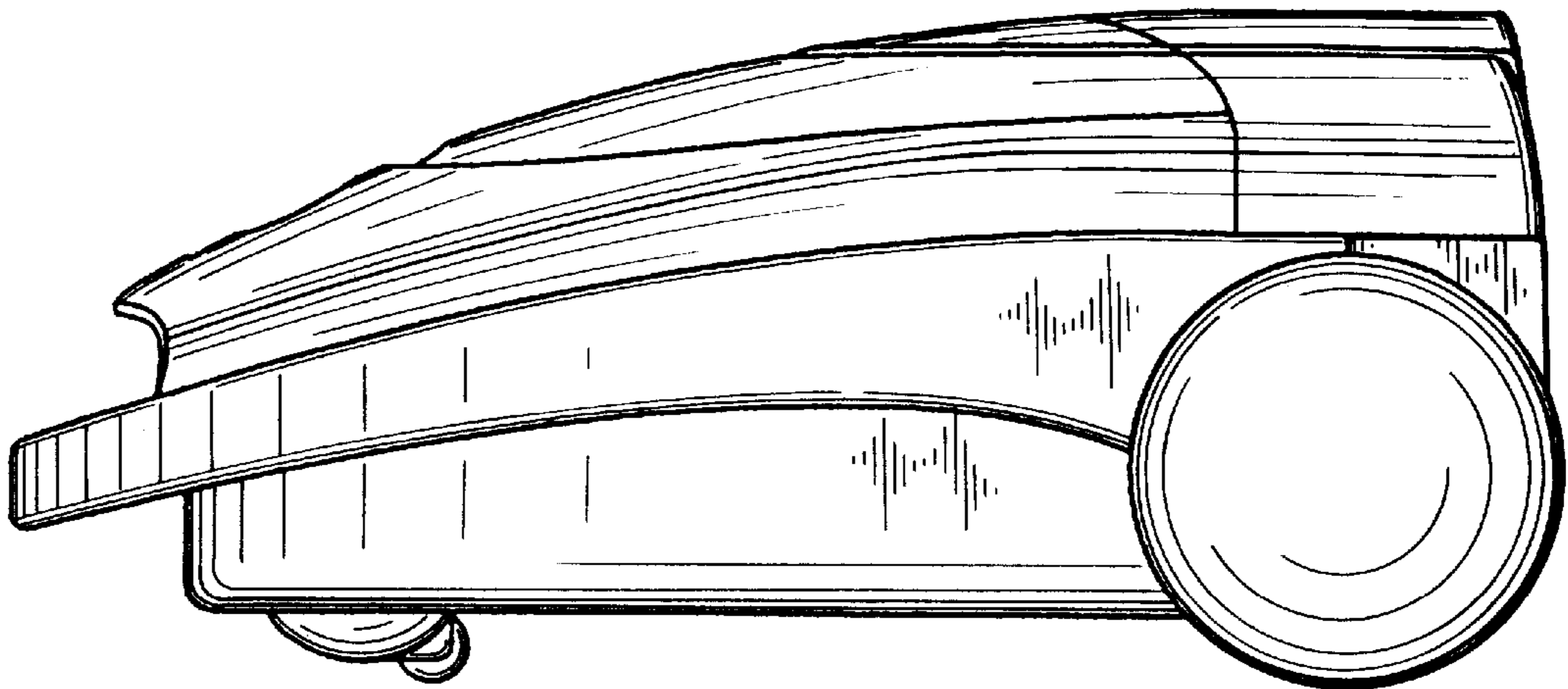


FIG. 7

