



US00D584286S

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

(10) **Patent No.:** **US D584,286 S**
(45) **Date of Patent:** **** Jan. 6, 2009**

(54) **WOOFER SPEAKER**

6,978,030 B2 * 12/2005 Reich 381/124

(75) Inventor: **Jae Hyung Kim**, Seoul (KR)

* cited by examiner

(73) Assignee: **Samsung Electronics Co., Ltd.**, Suwon (CN)

Primary Examiner—Nanda Bondade
(74) *Attorney, Agent, or Firm*—Ladas & Parry LLP

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

(57) **CLAIM**

(21) Appl. No.: **29/271,411**

I claim the ornamental design for woofer speaker, as shown and described.

(22) Filed: **Jan. 18, 2007**

DESCRIPTION

- (51) **LOC (9) Cl.** **14-01**
- (52) **U.S. Cl.** **D14/214**
- (58) **Field of Classification Search** D14/204,
D14/209–216; 181/143–144, 147–148, 150,
181/157, 198–199, 151, 153; 381/300–302,
381/306, 333, 345, 361–364, 386–388, 332,
381/336

FIG. 1 is a front, right side and top perspective view of a woofer speaker showing our new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a rear elevational view thereof;
 FIG. 4 is a left-side elevational view thereof;
 FIG. 5 is a right-side elevational view thereof;
 FIG. 6 is a top plan view thereof; and,
 FIG. 7 is a bottom plan view thereof.

See application file for complete search history.

The broken line showing on the drawing disclosure is for illustrative purposes only and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,805,730 A * 2/1989 O'Neill et al. 181/148
- D405,450 S * 2/1999 Niitsu D14/214
- D414,771 S * 10/1999 Hoyt et al. D14/214
- D452,855 S * 1/2002 Ota D14/214

1 Claim, 7 Drawing Sheets

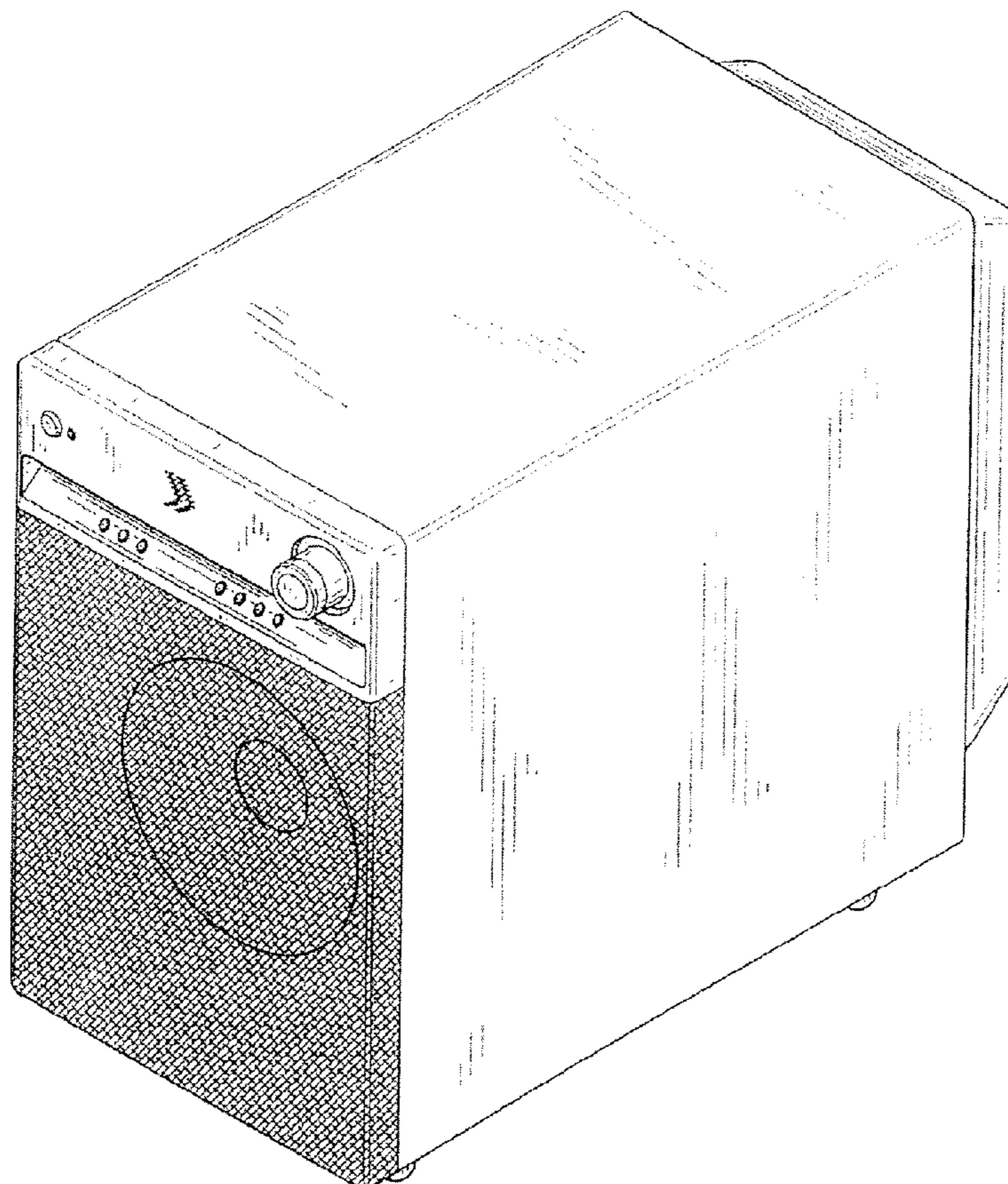


FIG. 1

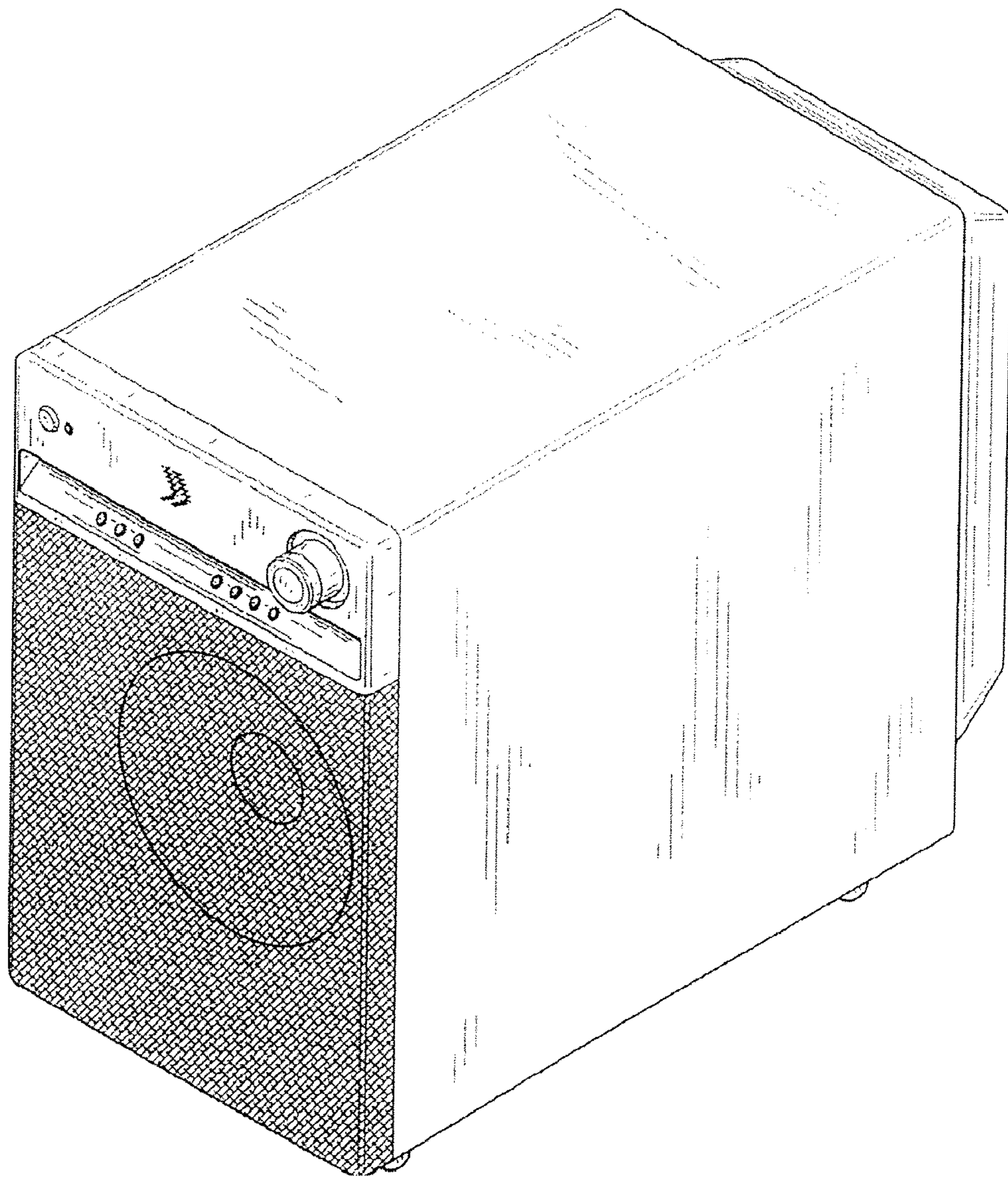


FIG. 2

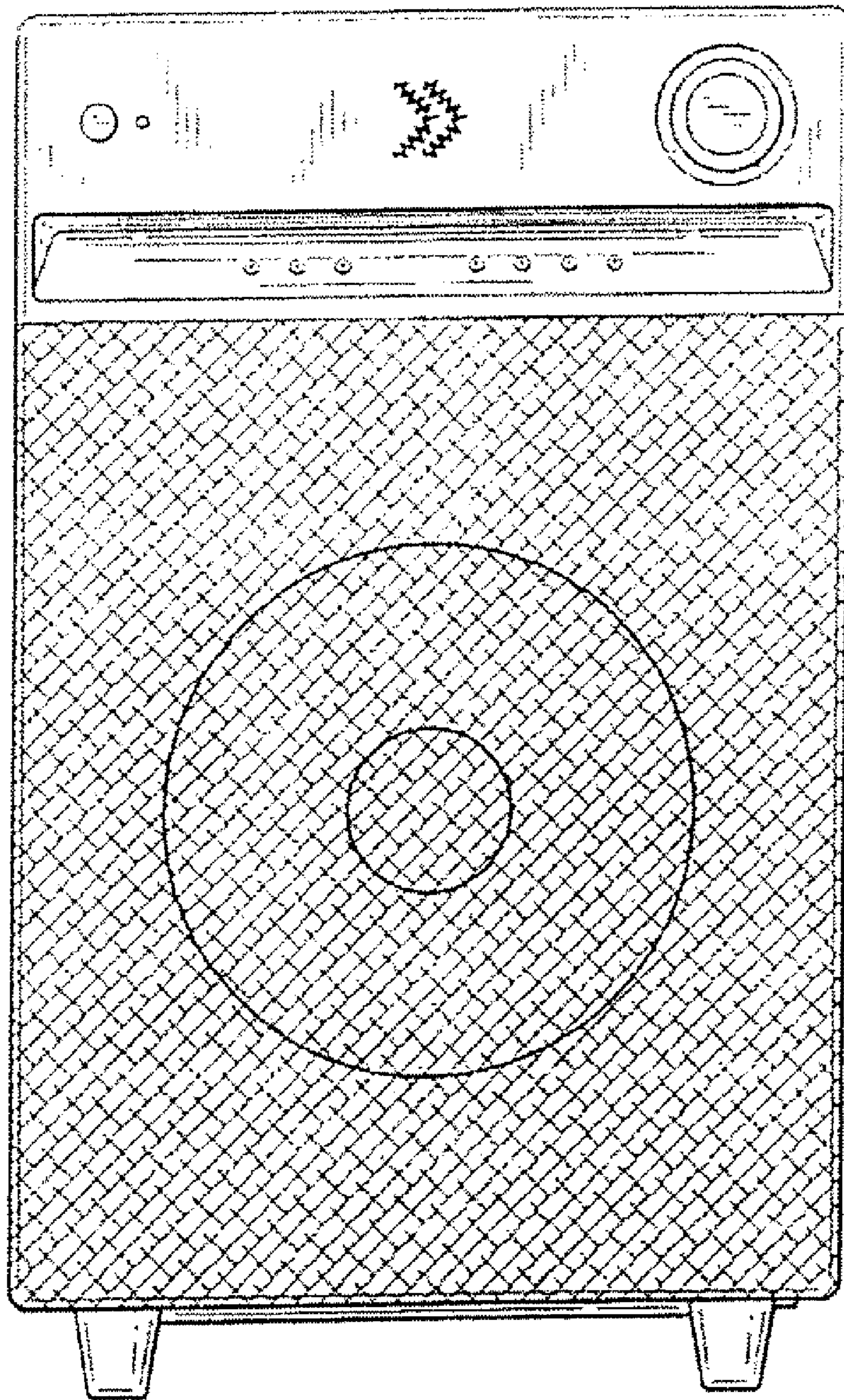


FIG. 3

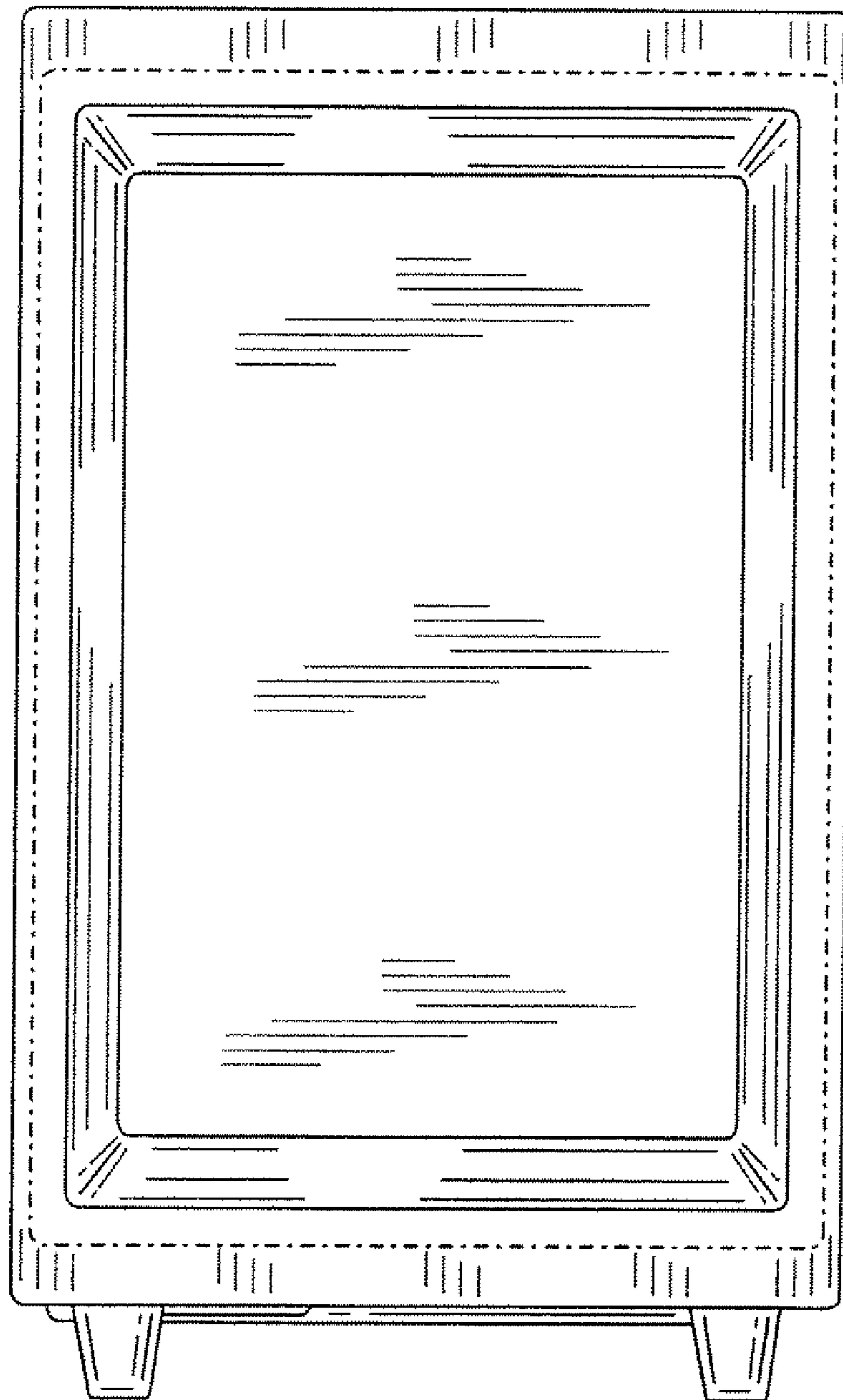


FIG. 4

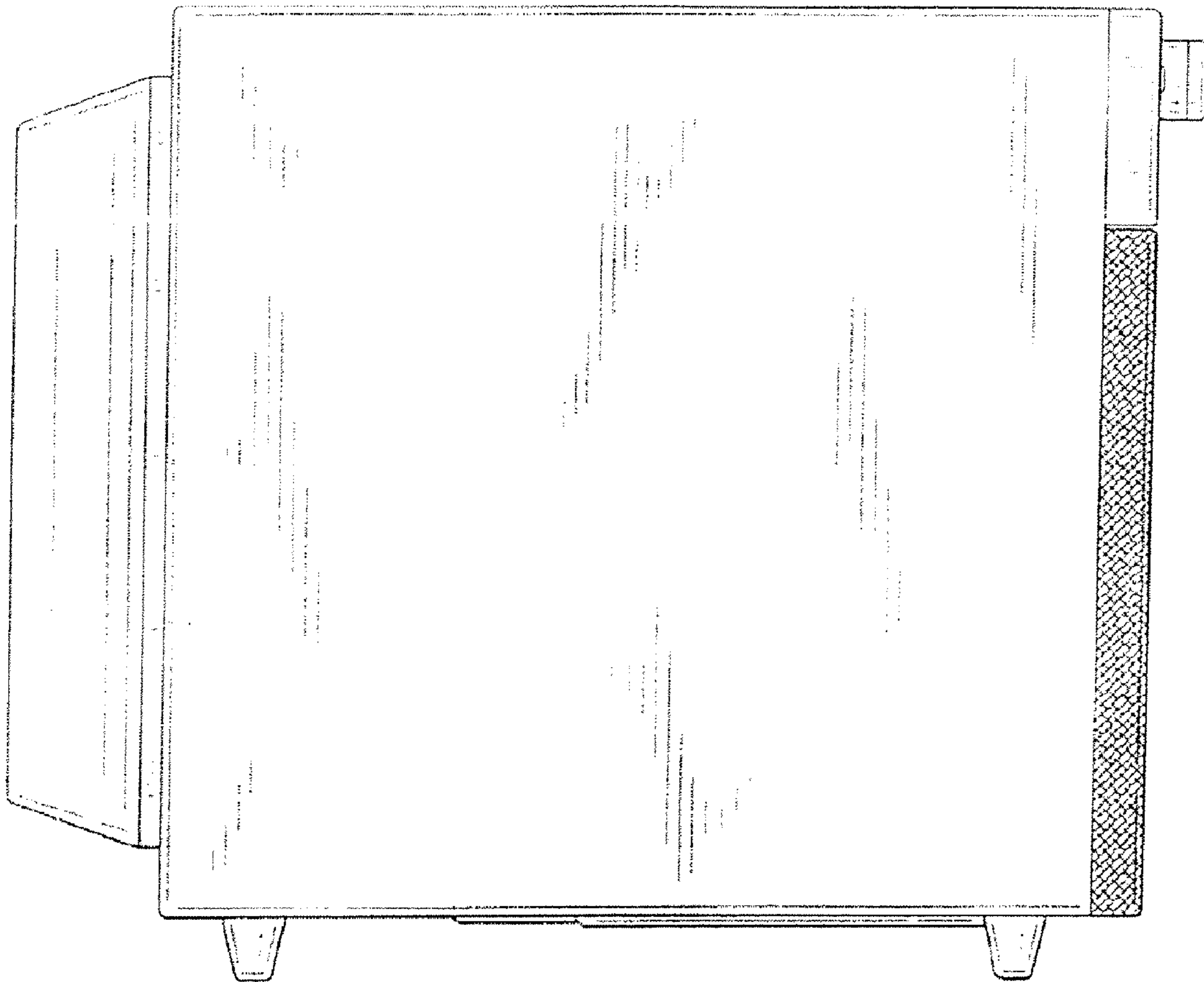


FIG. 5

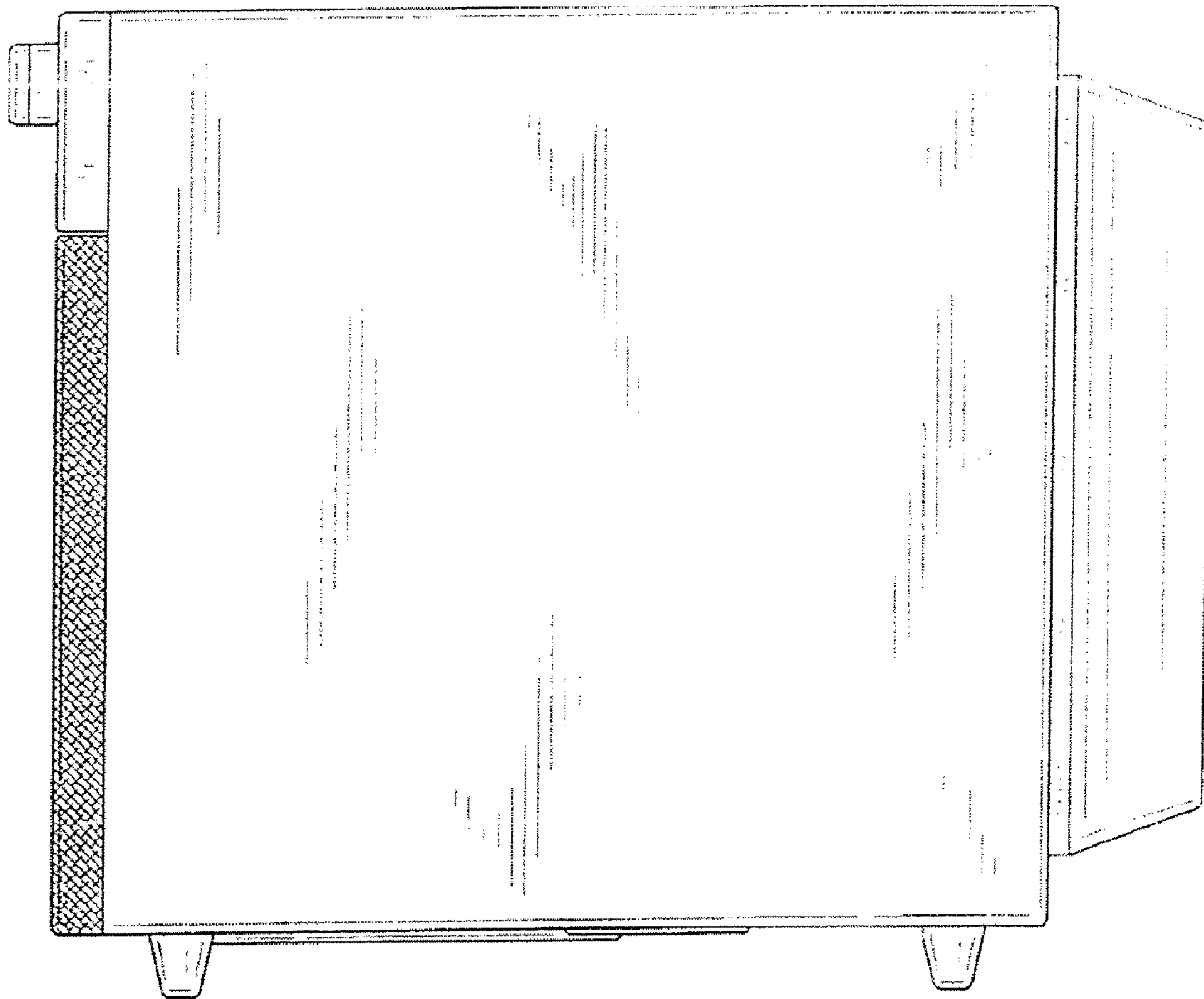


FIG. 6

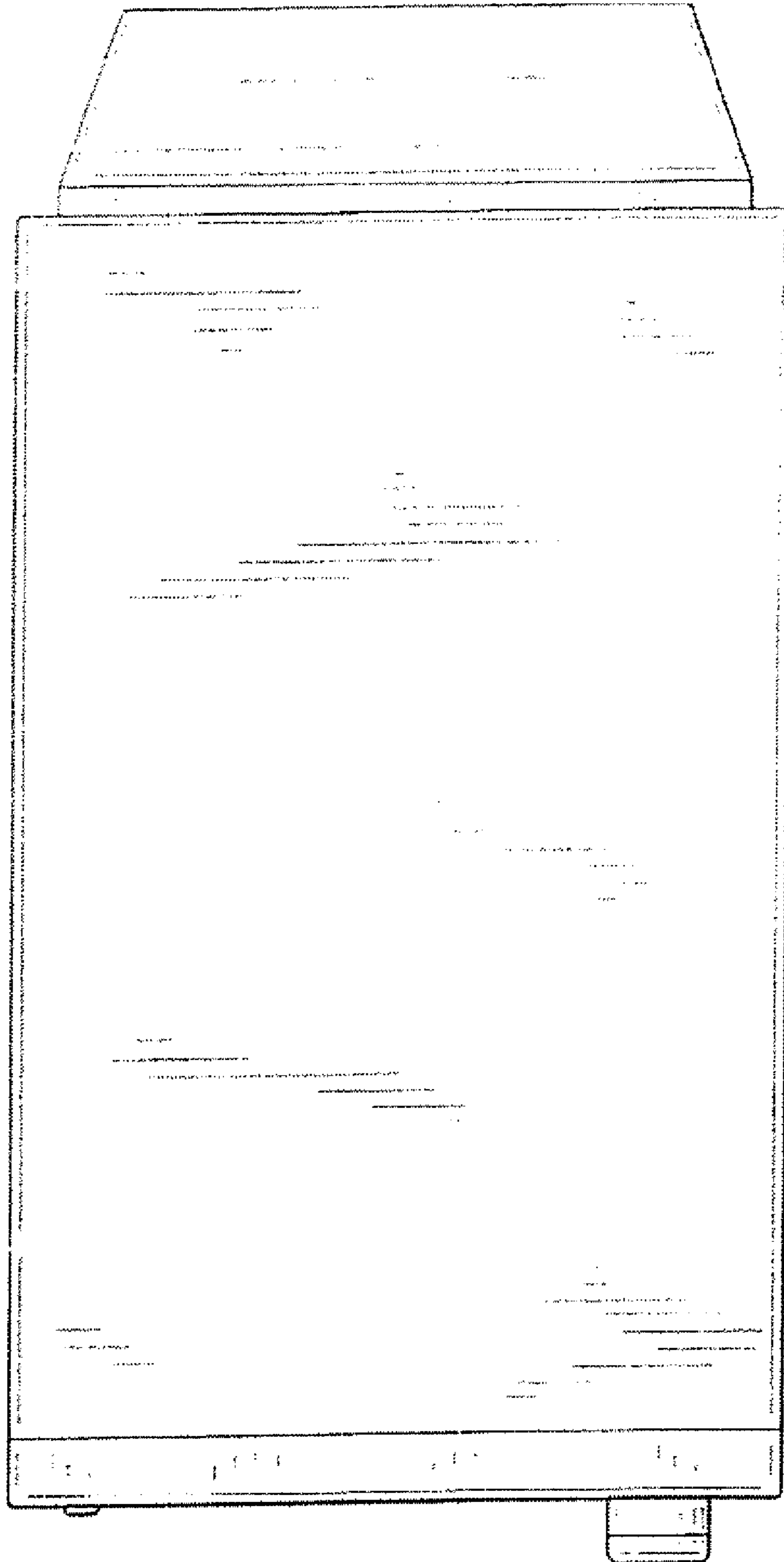


FIG. 7

