



US00D477833S

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

(10) **Patent No.:** **US D477,833 S**

(45) **Date of Patent:** **\*\* Jul. 29, 2003**

(54) **LIQUID CRYSTAL PROJECTOR**

6,491,399 B1 \* 12/2002 Fujimori ..... 353/119

(75) Inventors: **Tadashi Kurokawa**, Kawasaki (JP);  
**Jun Ooshima**, Nakano-ku (JP)

(73) Assignee: **Kabushiki Kaisha Toshiba** (JP)

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

(21) Appl. No.: **29/169,721**

(22) Filed: **Oct. 25, 2002**

(30) **Foreign Application Priority Data**

Jun. 26, 2002 (JP) ..... 2002-017043

(51) **LOC (7) Cl.** ..... **16-02**

(52) **U.S. Cl.** ..... **D16/230; D16/225**

(58) **Field of Search** ..... D16/200, 205,  
D16/208, 221, 225, 230, 231, 234; D21/514;  
352/242, 243; 353/115, 119, 122

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D387,795 S \* 12/1997 Sakamoto ..... D16/231
- D437,337 S \* 2/2001 Kawasaki et al. .... D16/230
- D437,607 S \* 2/2001 Takahashi ..... D16/230
- D449,060 S \* 10/2001 Saeki et al. .... D16/230
- D450,076 S \* 11/2001 Fujimaki ..... D16/230

**FOREIGN PATENT DOCUMENTS**

|    |          |         |
|----|----------|---------|
| DE | 40102961 | 9/2001  |
| DE | 40105608 | 1/2002  |
| JP | 1092912  | 12/2000 |
| JP | 1102869  | 3/2001  |
| JP | 1120080  | 9/2001  |
| JP | 1129118  | 12/2001 |

\* cited by examiner

*Primary Examiner*—Adir Aronovich

(74) *Attorney, Agent, or Firm*—Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a liquid crystal projector, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front and right side perspective view of a liquid crystal projector 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.

**1 Claim, 3 Drawing Sheets**

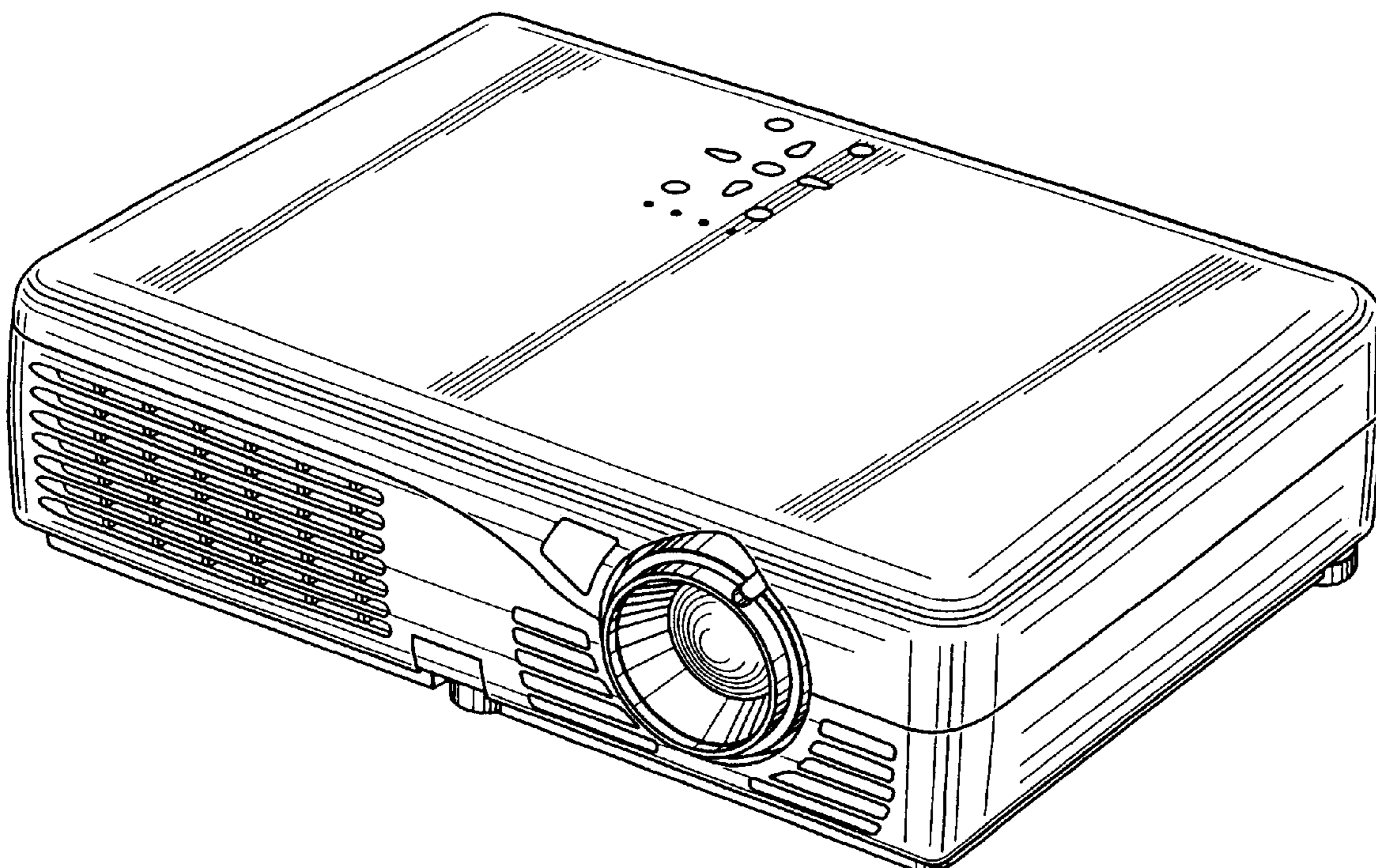


FIG. 1

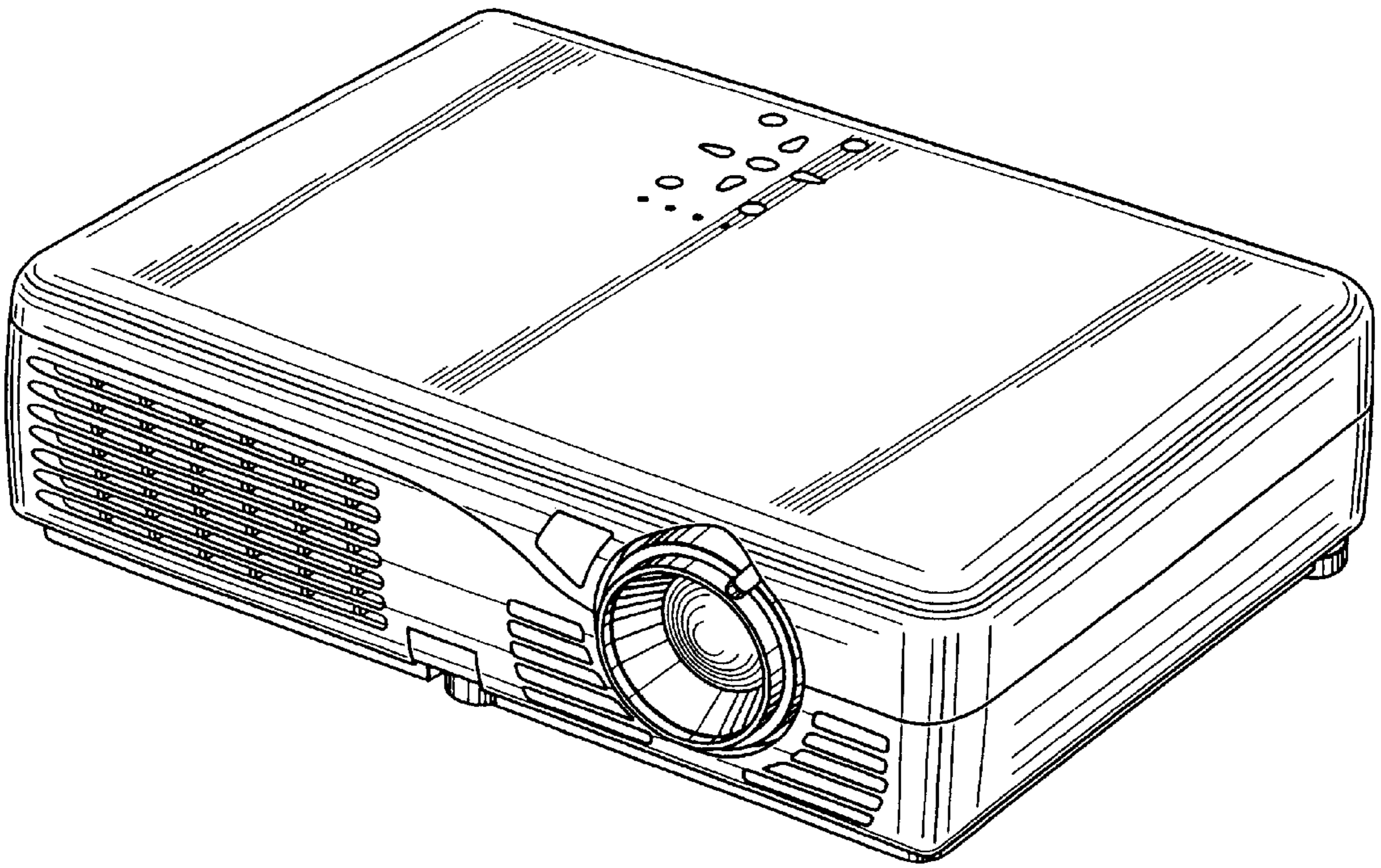


FIG. 2

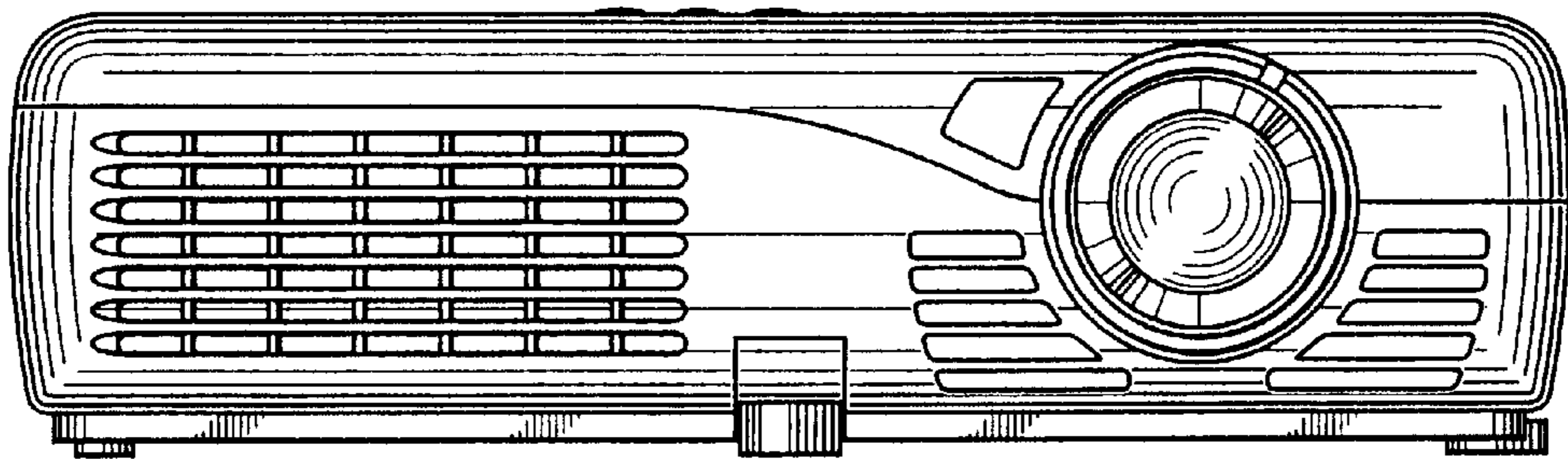


FIG. 3

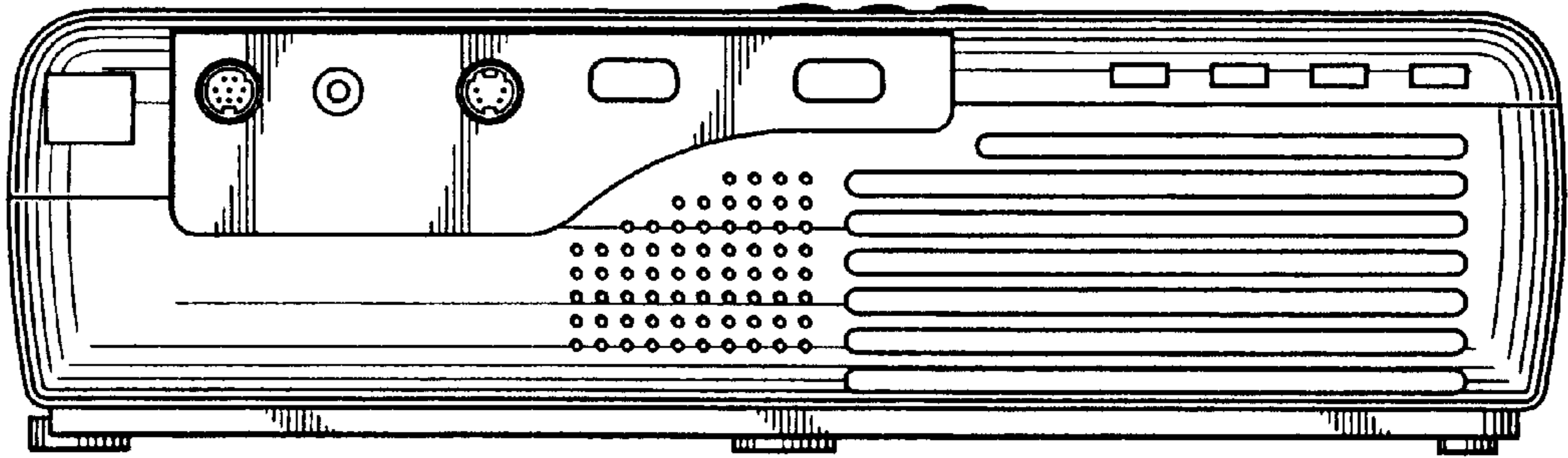


FIG. 4

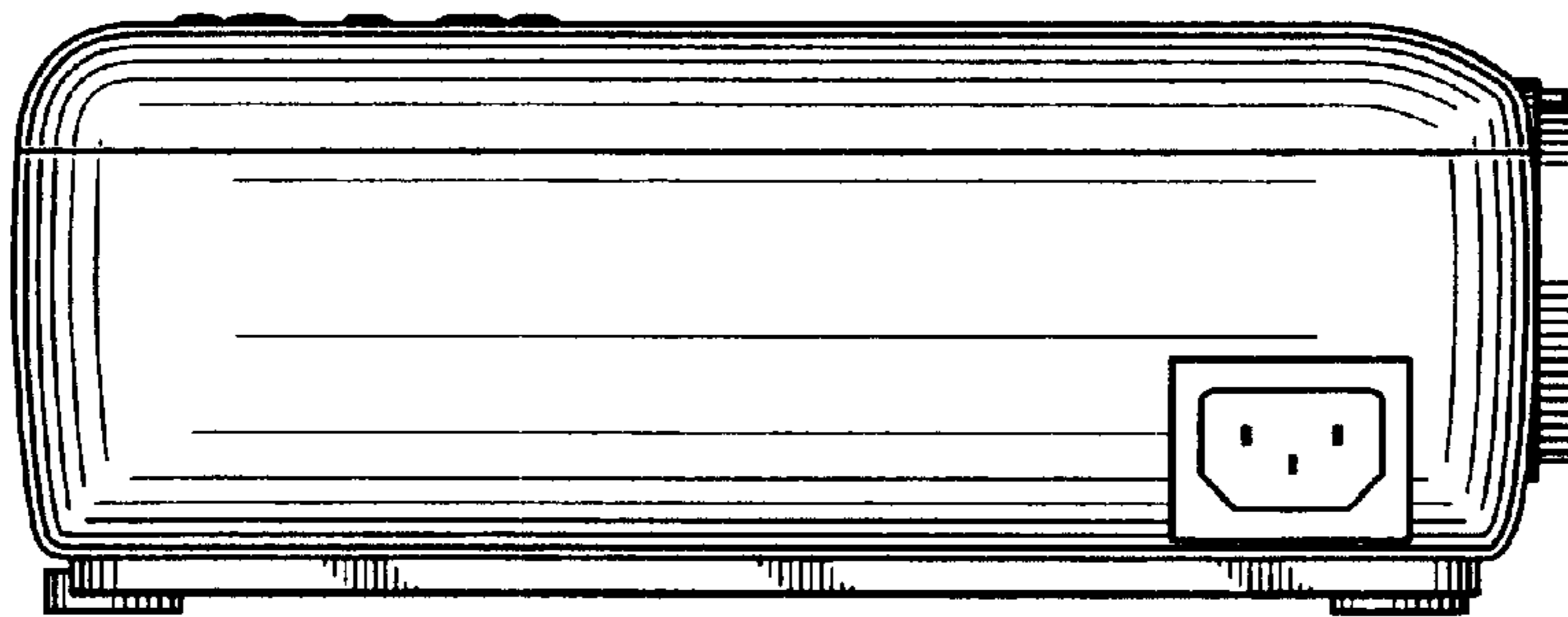


FIG. 5

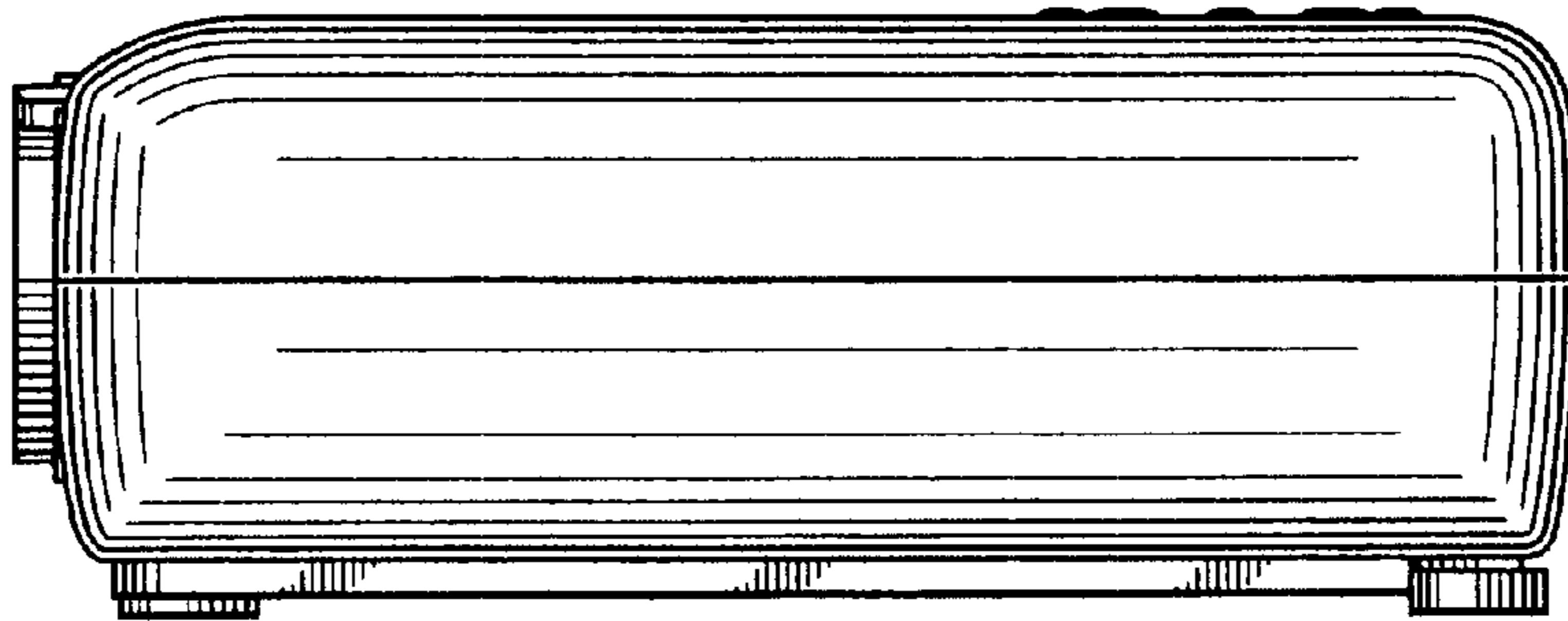


FIG. 6

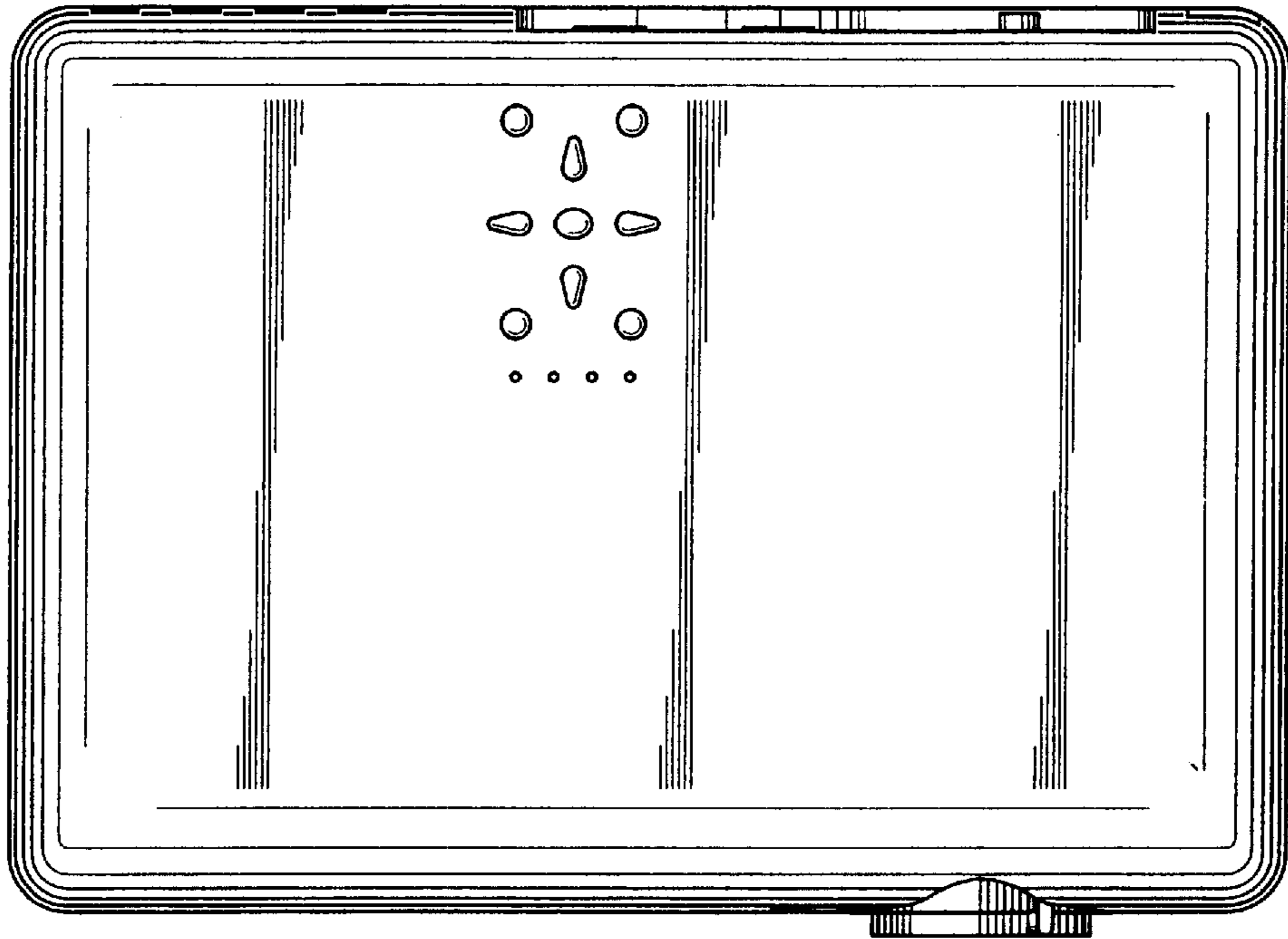


FIG. 7

