



US00D803280S

(12) **United States Design Patent** (10) **Patent No.:** **US D803,280 S**
Suzuki et al. (45) **Date of Patent:** **** Nov. 21, 2017**

(54) **PROGRAMMABLE CONTROLLER**

(71) Applicant: **JTEKT CORPORATION**, Osaka-shi
(JP)

(72) Inventors: **Kazuma Suzuki**, Kariya (JP); **Yasunori Tsuboi**, Toyota (JP); **Koji Hasegawa**, Ichinomiya (JP); **Sutemaro Kato**, Kariya (JP)

(73) Assignee: **JTEKT CORPORATION**, Osaka-shi
(JP)

(**) Term: **15 Years**

(21) Appl. No.: **29/553,681**

(22) Filed: **Feb. 3, 2016**

(30) **Foreign Application Priority Data**

Aug. 6, 2015 (JP) 2015-017514

(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/138**

(58) **Field of Classification Search**
USPC D13/162, 162.1; D15/122, 138
CPC G06F 1/183; G06F 1/189; G05B 19/05;
G05B 19/0423; G05B 2219/14007; G05B
2219/21005; H05K 7/1465; H05K
7/1478; Y10S 439/928

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D281,493 S * 11/1985 Prager D13/162.1
D282,461 S * 2/1986 Shimizu D13/162.1
D287,117 S * 12/1986 Saiki D13/162.1
D290,694 S * 7/1987 Shimizu D13/162.1
D307,263 S * 4/1990 Ishida D13/162.1
D307,416 S * 4/1990 Abe D13/162.1

D325,900 S * 5/1992 Shimizu D13/162.1
D394,642 S * 5/1998 Bender D13/162
D402,965 S * 12/1998 Bender D13/162
6,008,985 A * 12/1999 Lake G05B 19/0423
361/679.32
D418,483 S * 1/2000 Shimizu D13/162.1
6,172,875 B1 * 1/2001 Suzuki G06F 1/183
361/679.4
D477,814 S * 7/2003 Droulin D13/162.1
D478,873 S * 8/2003 Droulin D13/162.1
D480,367 S * 10/2003 Droulin D13/162.1
D480,369 S * 10/2003 Droulin D13/162.1
D482,005 S * 11/2003 Droulin D13/162.1
D524,760 S * 7/2006 Ohlwine D13/162.1
D685,331 S * 7/2013 Correll D13/147
D692,397 S * 10/2013 Liu D13/162.1
D733,665 S * 7/2015 Ringer D13/162.1
2001/0039649 A1 * 11/2001 Boggs G06F 1/025
717/128
2004/0267380 A1 * 12/2004 Lin G05B 19/05
700/1

(Continued)

Primary Examiner — Patricia Palasik

(74) *Attorney, Agent, or Firm* — Oblon, McClelland,
Maier & Neustadt, L.L.P.

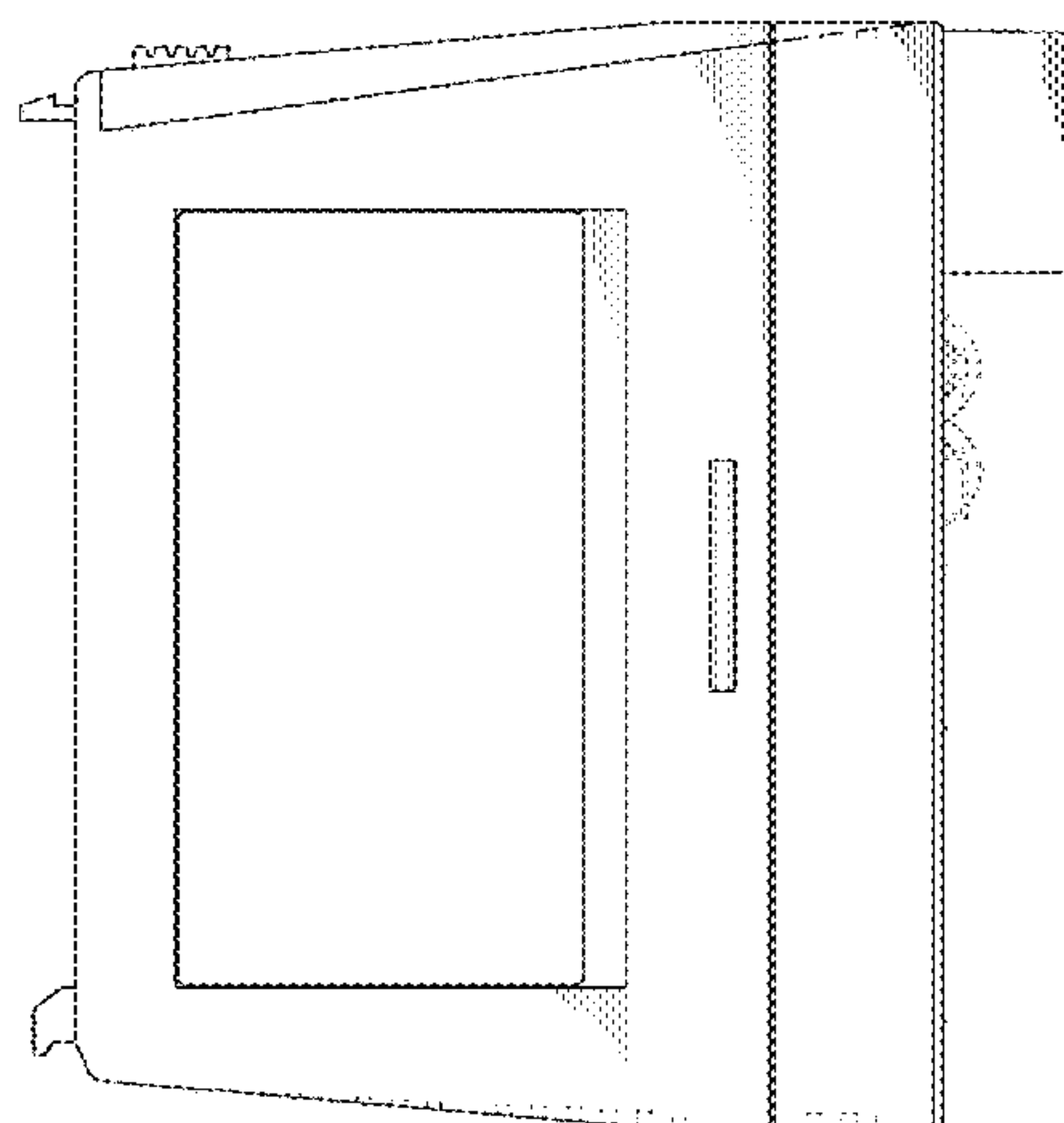
(57) **CLAIM**

The ornamental design for a programmable controller, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of a first embodiment of a programmable controller showing our new design;
FIG. 2 is a back elevation view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a right side elevation view thereof; and,
FIG. 6 is a left side elevation view thereof.
The broken lines shown in the figures depict unclaimed environmental subject matter.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0282830 A1* 9/2016 Fukai G05B 19/05
2017/0031340 A1* 2/2017 Kobayashi G05B 19/056

* cited by examiner

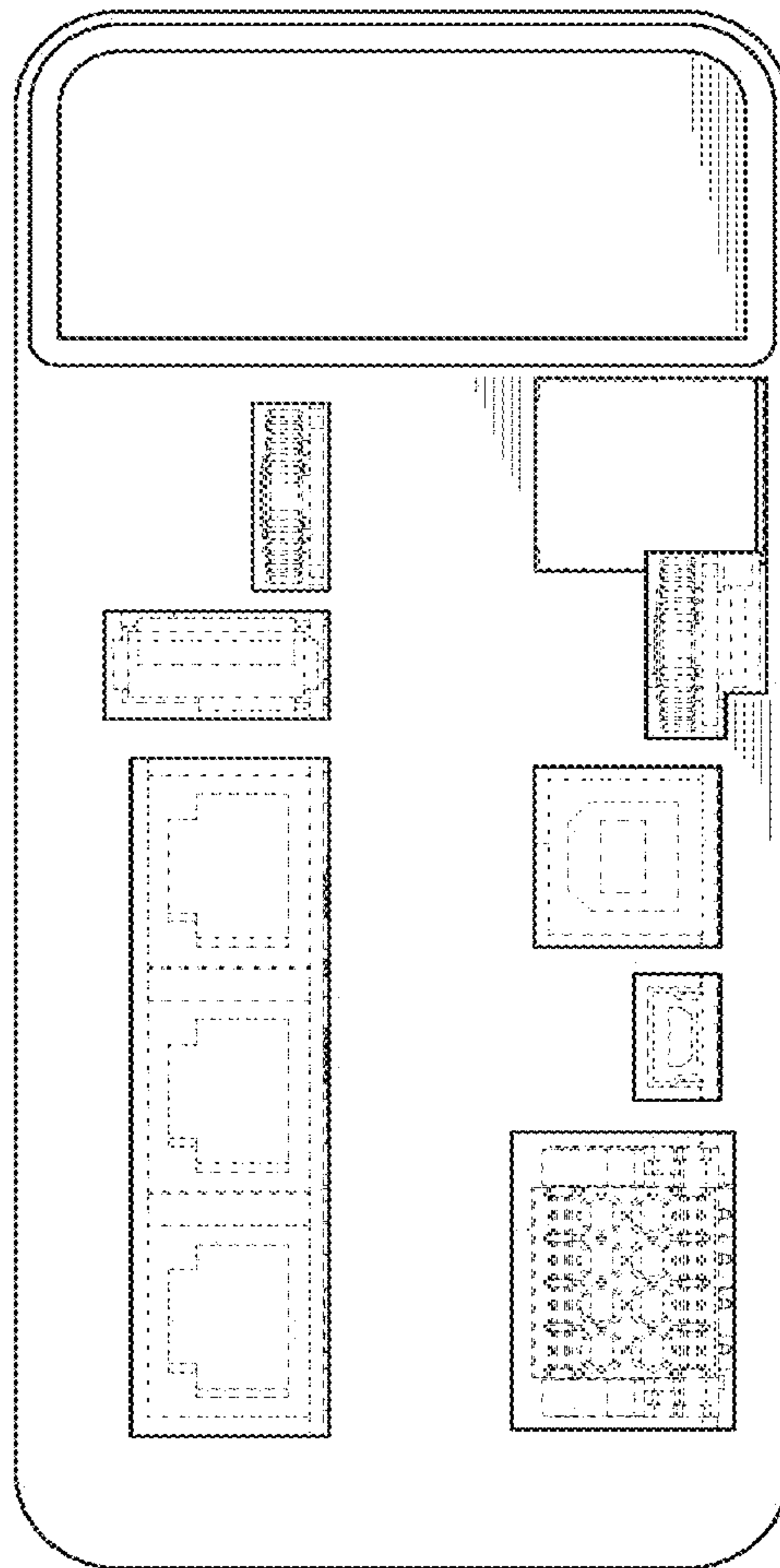


Fig. 1

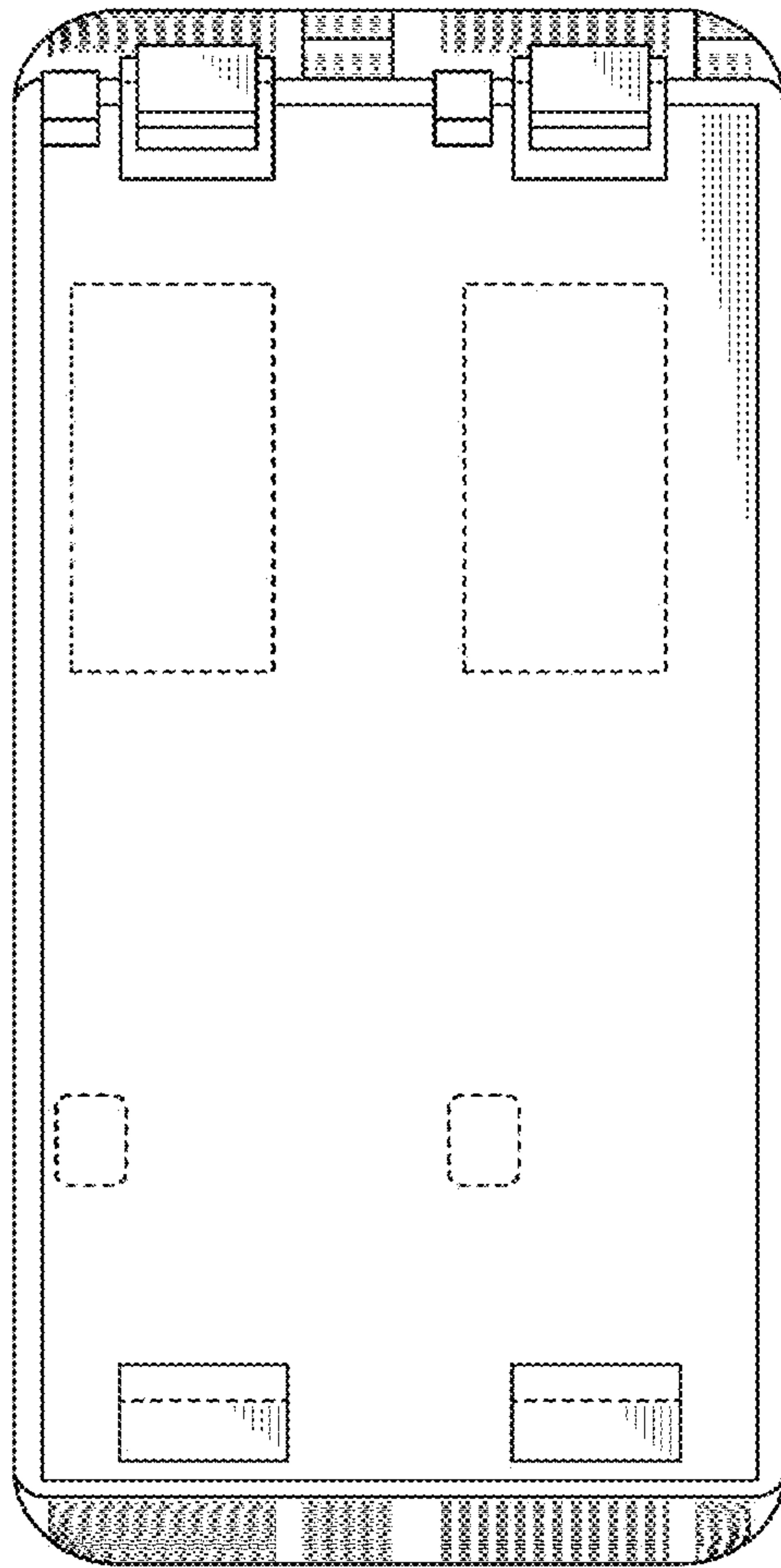


Fig. 2

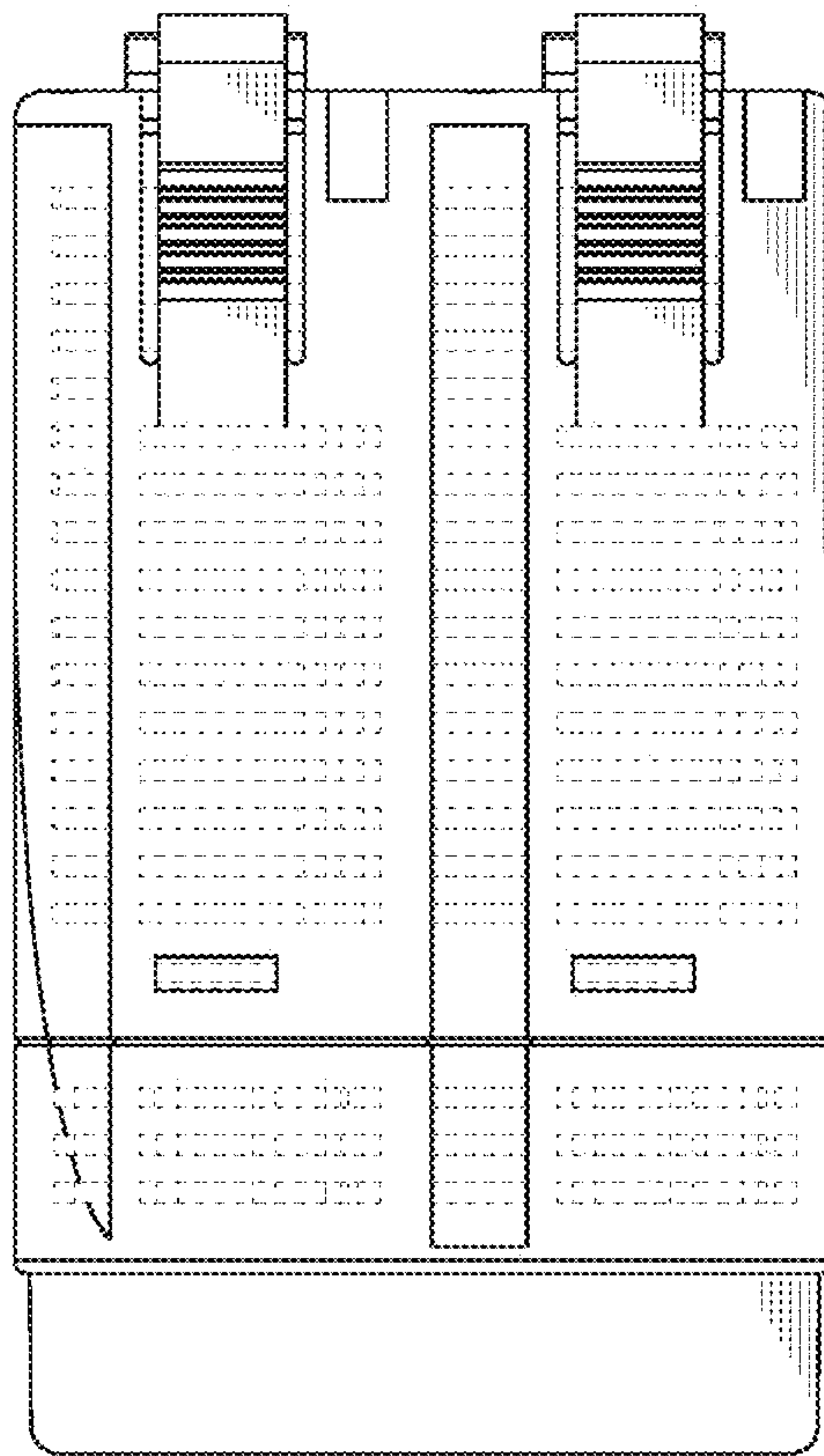


Fig. 3

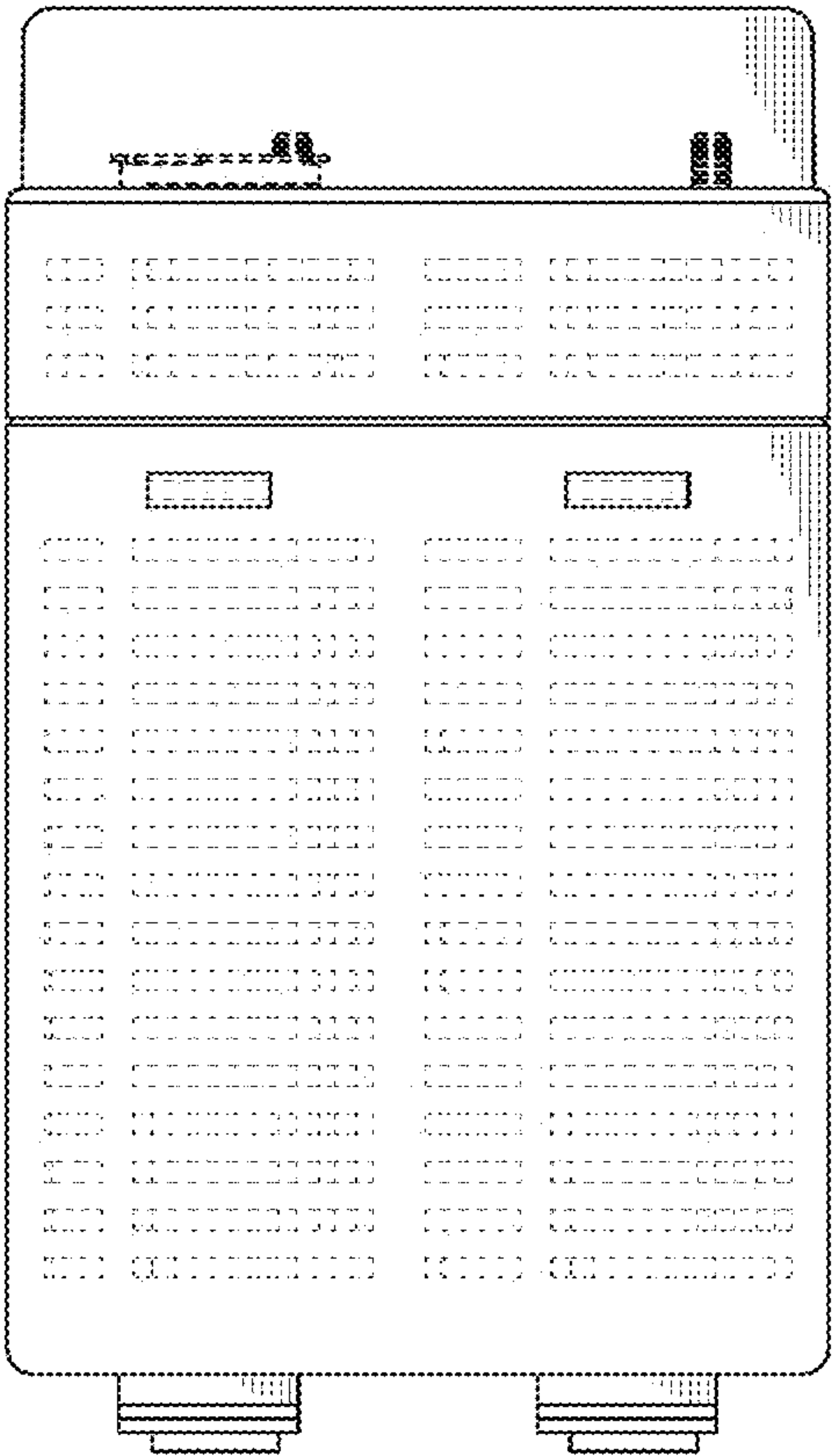


Fig. 4

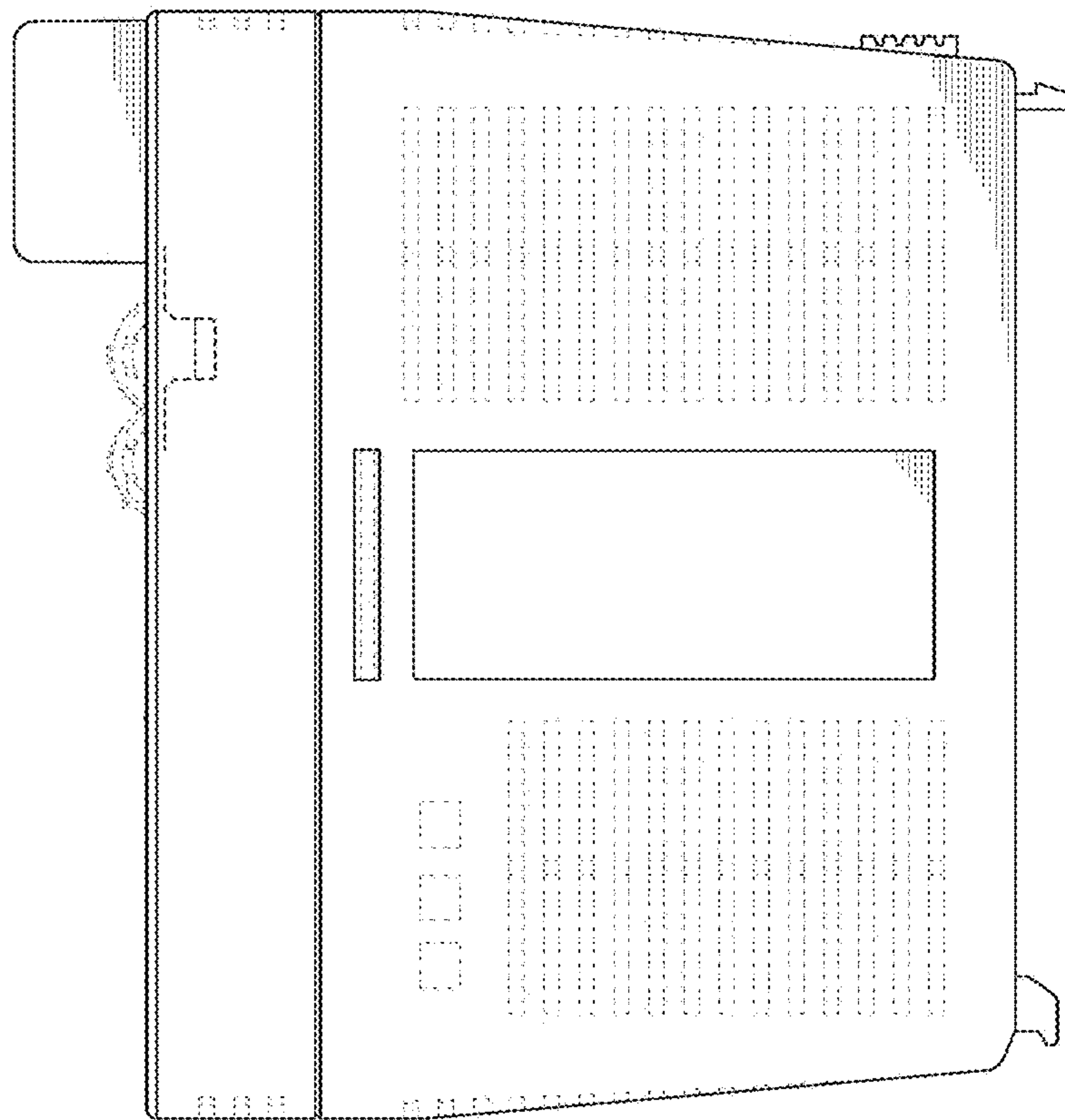


Fig. 5

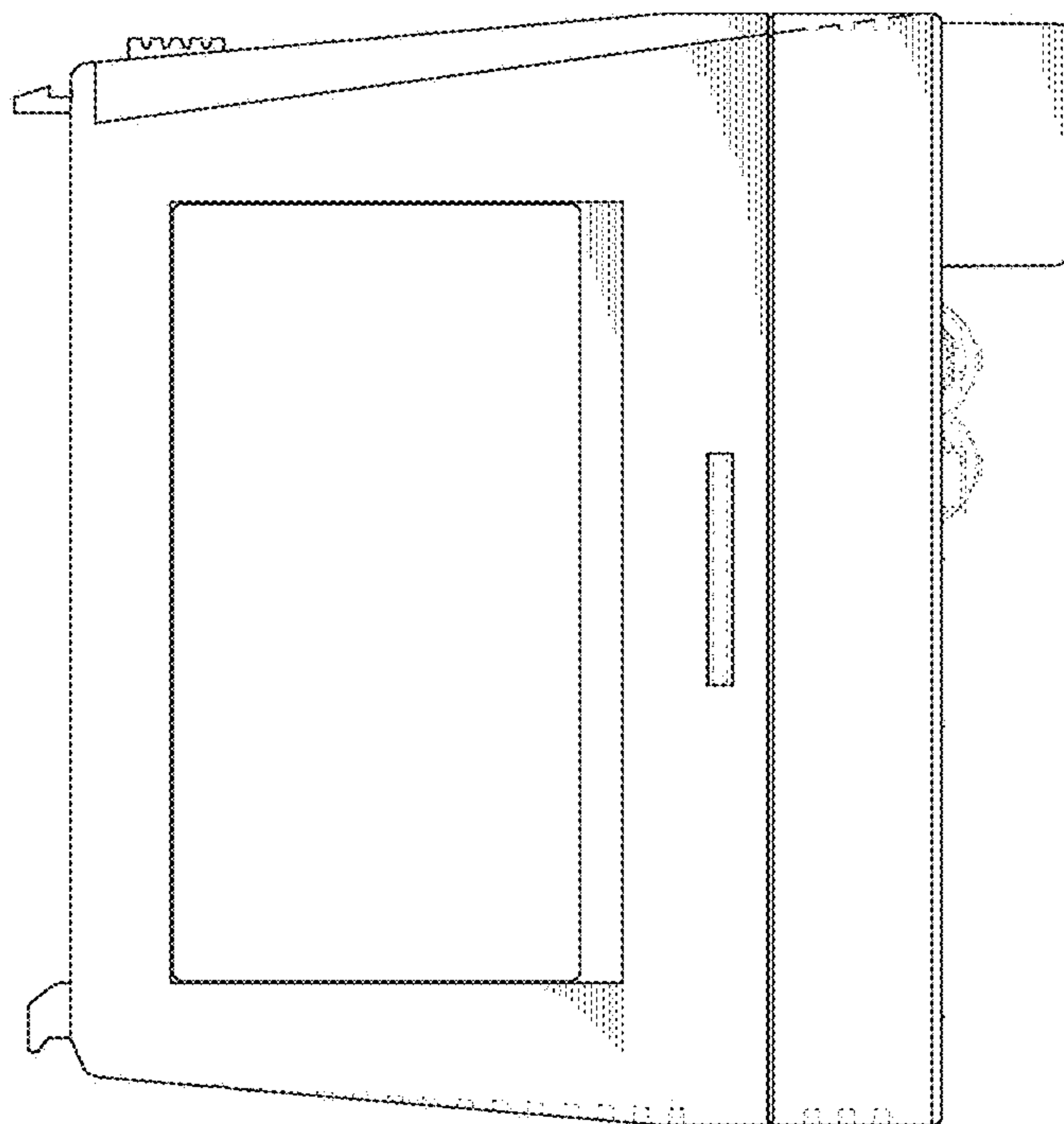


Fig. 6