



US00D821402S

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

(10) **Patent No.:** **US D821,402 S**
(45) **Date of Patent:** **** Jun. 26, 2018**

(54) **DOCUMENT READER**

(71) Applicant: **GEMALTO SA**, Meudon (FR)

(72) Inventors: **Brett A. Howell**, Ramsey, MN (US);
Chin-Yee Ng, Oakdale, MN (US); **John M. Pilgrim**, Woodbury, MN (US); **Lori A. Sjolund**, Stillwater, MN (US);
Glendon D. Kappel, Eagan, MN (US)

(73) Assignee: **GEMALTO SA**, Meudon (FR)

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

(21) Appl. No.: **29/599,806**

(22) Filed: **Apr. 6, 2017**

(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/424**; D14/425

(58) **Field of Classification Search**
USPC D14/421–425, 453, 464; D18/55, 49, 46,
D18/40, 36–39, 41, 44, 45, 47, 48, 50–54,
D18/56; 235/462, 455, 470, 462.43, 482,
235/483; 358/474, 486, 488, 496, 497,
358/498, 452, 449, 451, 453, 1.13, 494;
318/685, 696; 355/81, 75, 72, 40;
399/405, 367, 379, 380; 382/217;
715/209, 222, 226, 274; 400/613,
400/613.1–613.4, 690.1–690.4, 691–694
CPC H04N 1/00; H04N 1/12; H04N 1/00013;
H04N 1/00015; H04N 1/00018; H04N
1/00026; H04N 1/00557; H04N 1/00564;
H04N 1/0057; H04N 1/00572; H04N
1/00586; H04N 1/00588; H04N 1/00591;
H04N 1/00594; H04N 1/00596; H04N
1/00604; H04N 1/00519; H04N 1/00559;
H04N 1/101; H04N 1/10; H04N 1/00551;
H04N 1/00278; H04N 2201/0456; H04N
2201/0446; H04N 2201/00; H04N
2201/0094; H04N 1/00567; G03G

15/0142; G03G 15/605; G03G 15/602;
B65H 5/26; B65H 5/30; B65H 5/36;
B65H 7/00; B65H 2402/515; B65H
2402/31; B65H 2511/20; B65H 2511/414;
B65H 2513/42; B65H 2801/31; B65H
2215/00189; B65H 2215/00194; B65H
2215/00198; B65H 2215/00202; B65H
2215/00206; B65H 2215/20; B65H
2301/00; B65H 2220/04; B65H 3/5261

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D293,576 S * 1/1988 Hara D14/425
D302,007 S * 7/1989 Hara D14/425
4,879,604 A * 11/1989 Koshiyouji H04N 1/1017
358/474

(Continued)

Primary Examiner — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — The Jansson Firm; Pehr B. Jansson

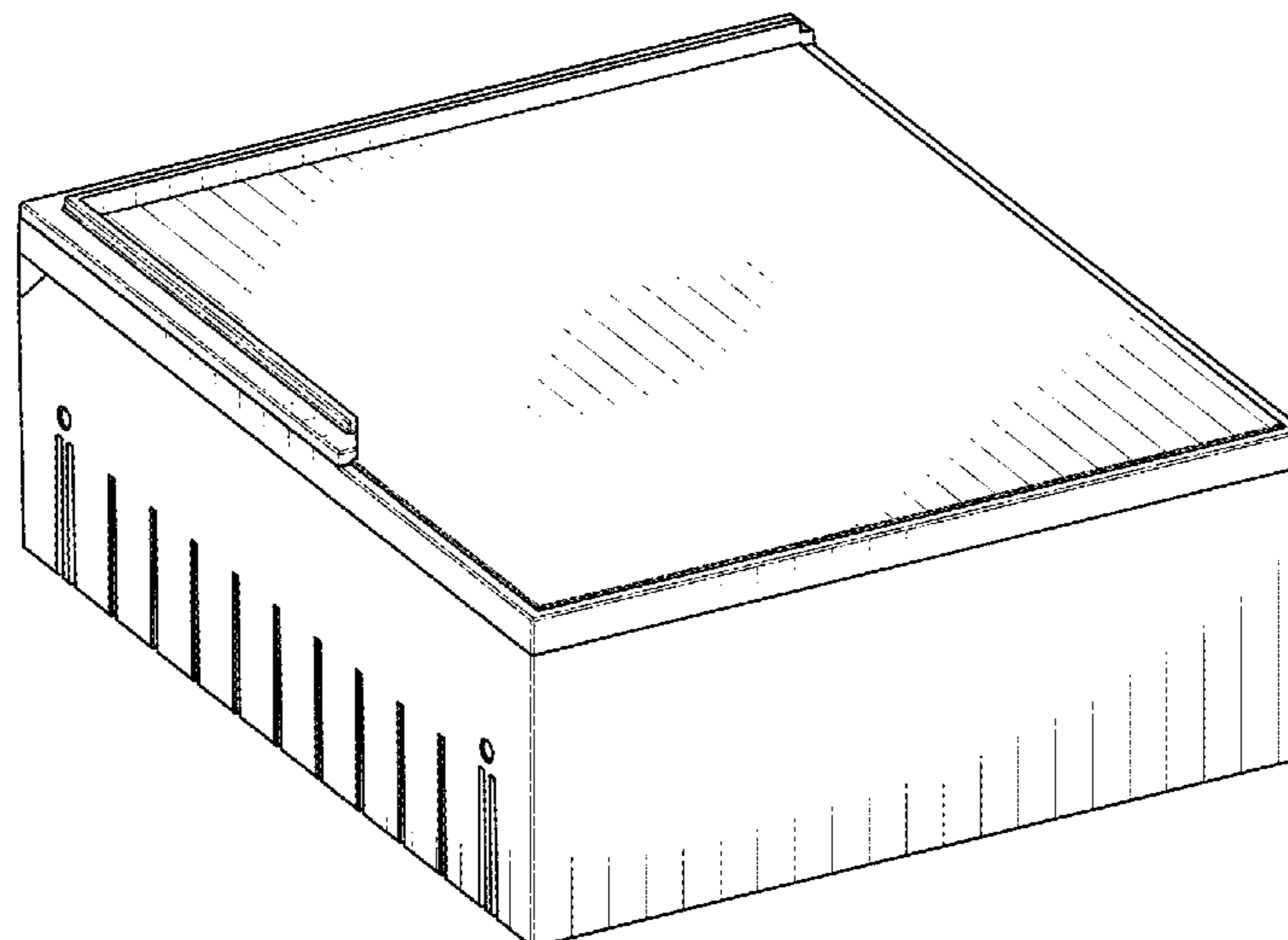
(57) **CLAIM**

The ornamental design for a document reader, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view showing the new design for a document reader;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a top 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.
The broken lines shown represent unclaimed features of the document reader and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,038,227 A * 8/1991 Koshiyouji H04N 1/02815
 358/471
 D340,039 S * 10/1993 Tashiro D14/425
 D340,704 S * 10/1993 Asakura D14/425
 D374,031 S * 9/1996 Ikenaga D18/50
 D405,065 S * 2/1999 Shimanuki D14/425
 5,995,684 A * 11/1999 Beng H01Q 1/1285
 358/474
 D421,425 S * 3/2000 Yamano D14/425
 6,046,449 A * 4/2000 Chien H04N 1/10
 250/208.1
 6,185,011 B1 * 2/2001 William H04N 1/0288
 358/474
 6,330,084 B1 * 12/2001 Chiang H04N 1/1017
 358/474
 6,975,436 B2 * 12/2005 Saito H04N 1/00519
 358/483
 D535,324 S * 1/2007 Park D18/50
 8,453,930 B2 * 6/2013 Mukawa G03B 27/54
 235/454
 2002/0085260 A1 * 7/2002 Huang H04N 1/1017
 359/196.1
 2011/0228538 A1 * 9/2011 Yu F21V 21/30
 362/287

* cited by examiner

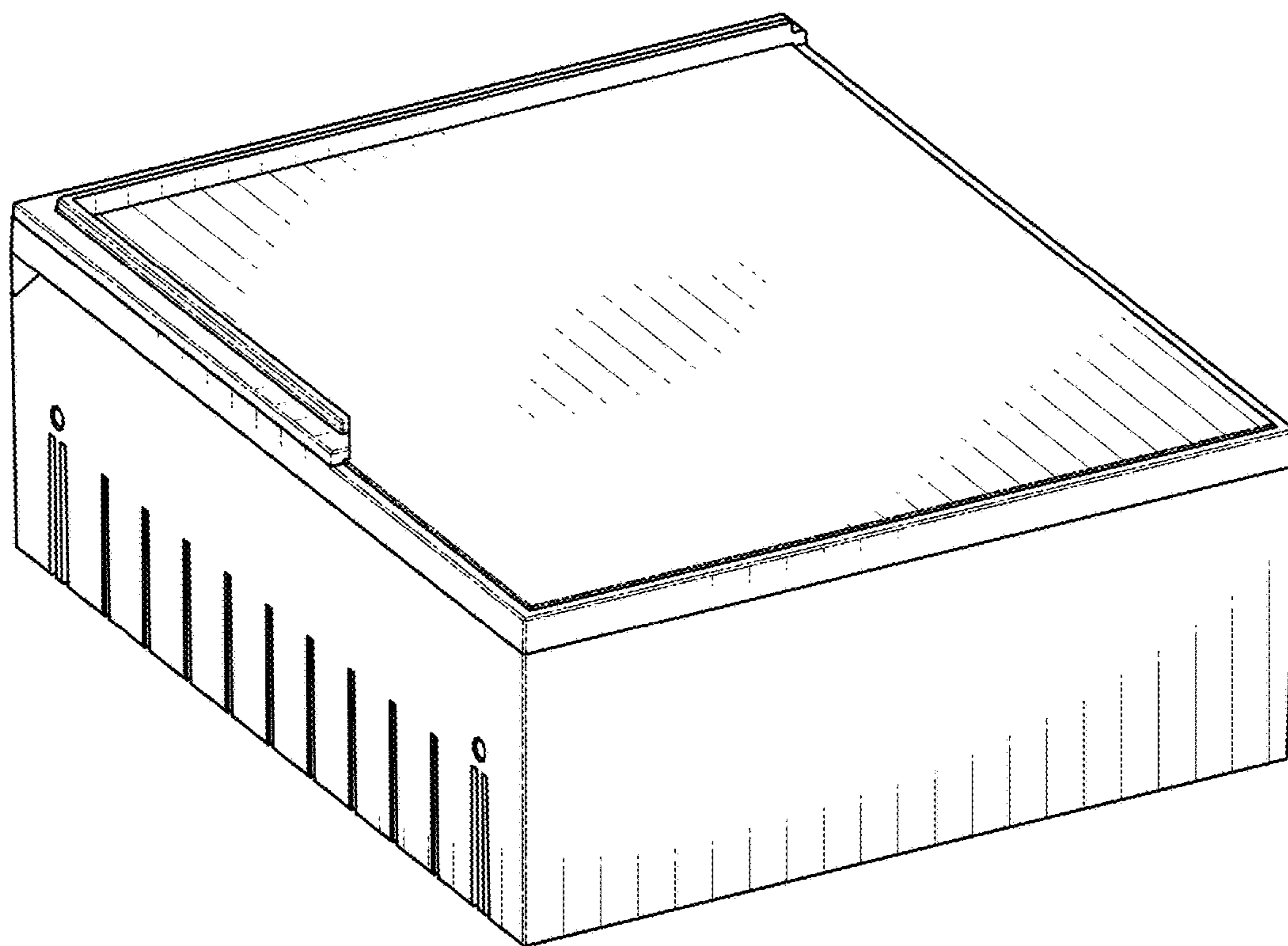


FIG. 1

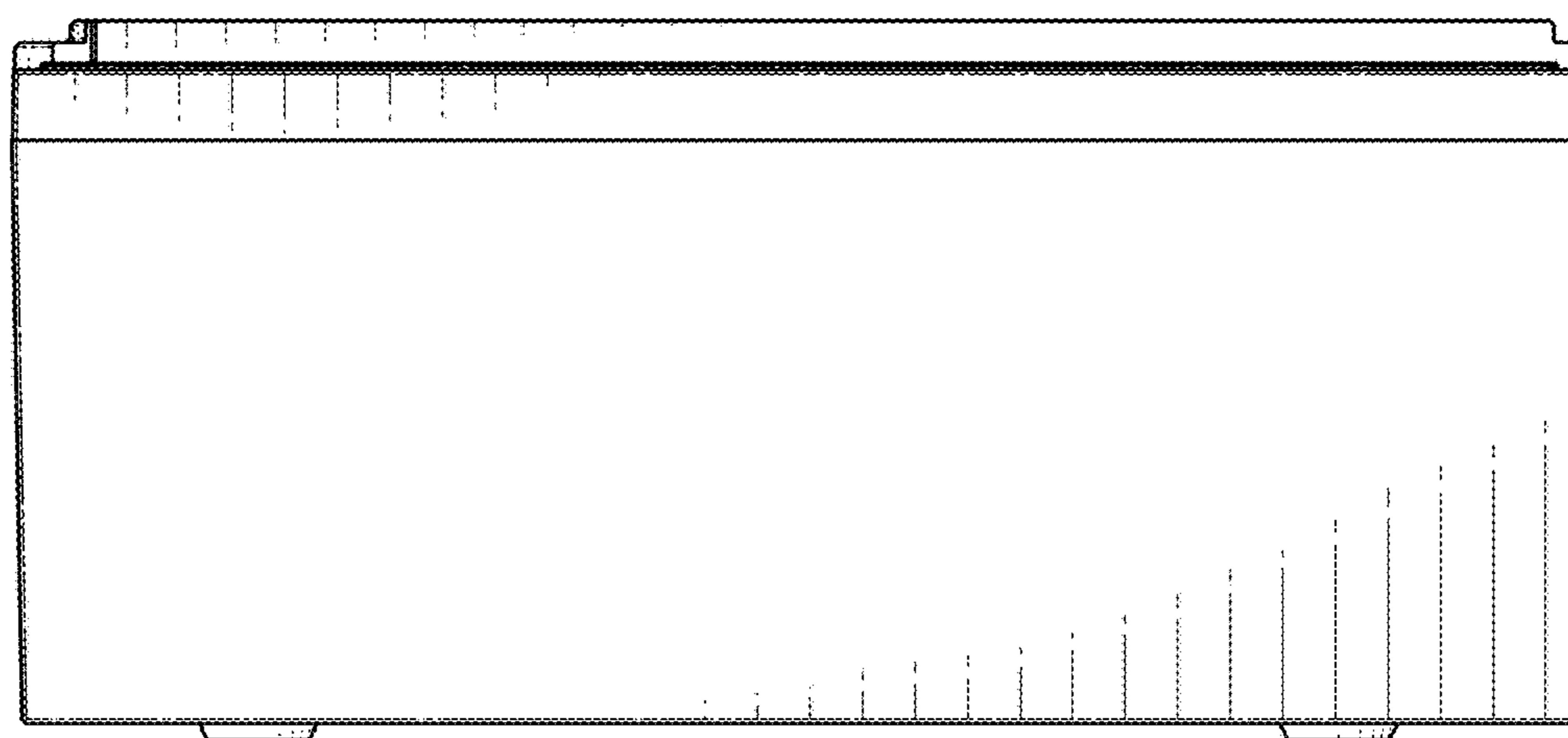


FIG. 2

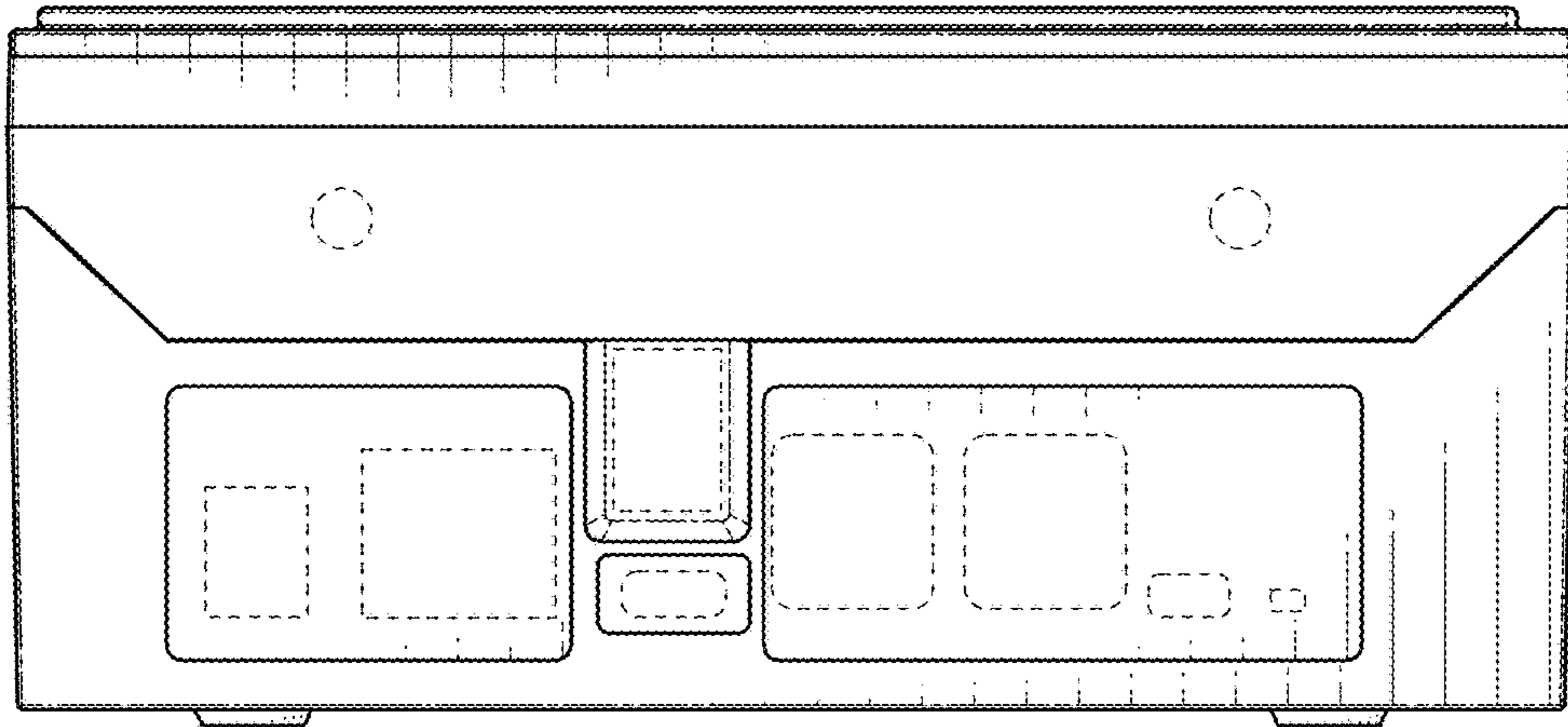


FIG. 3

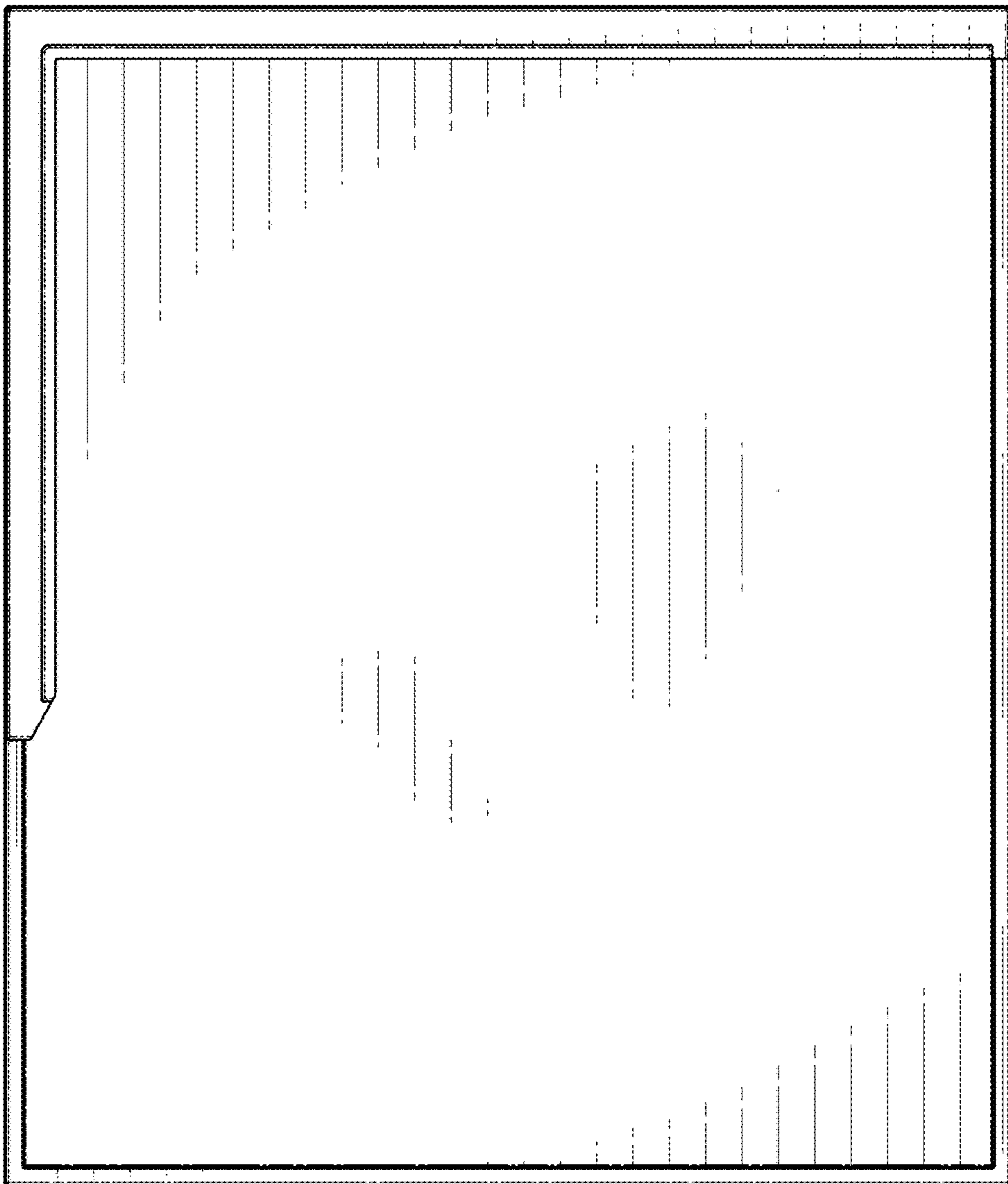


FIG. 4

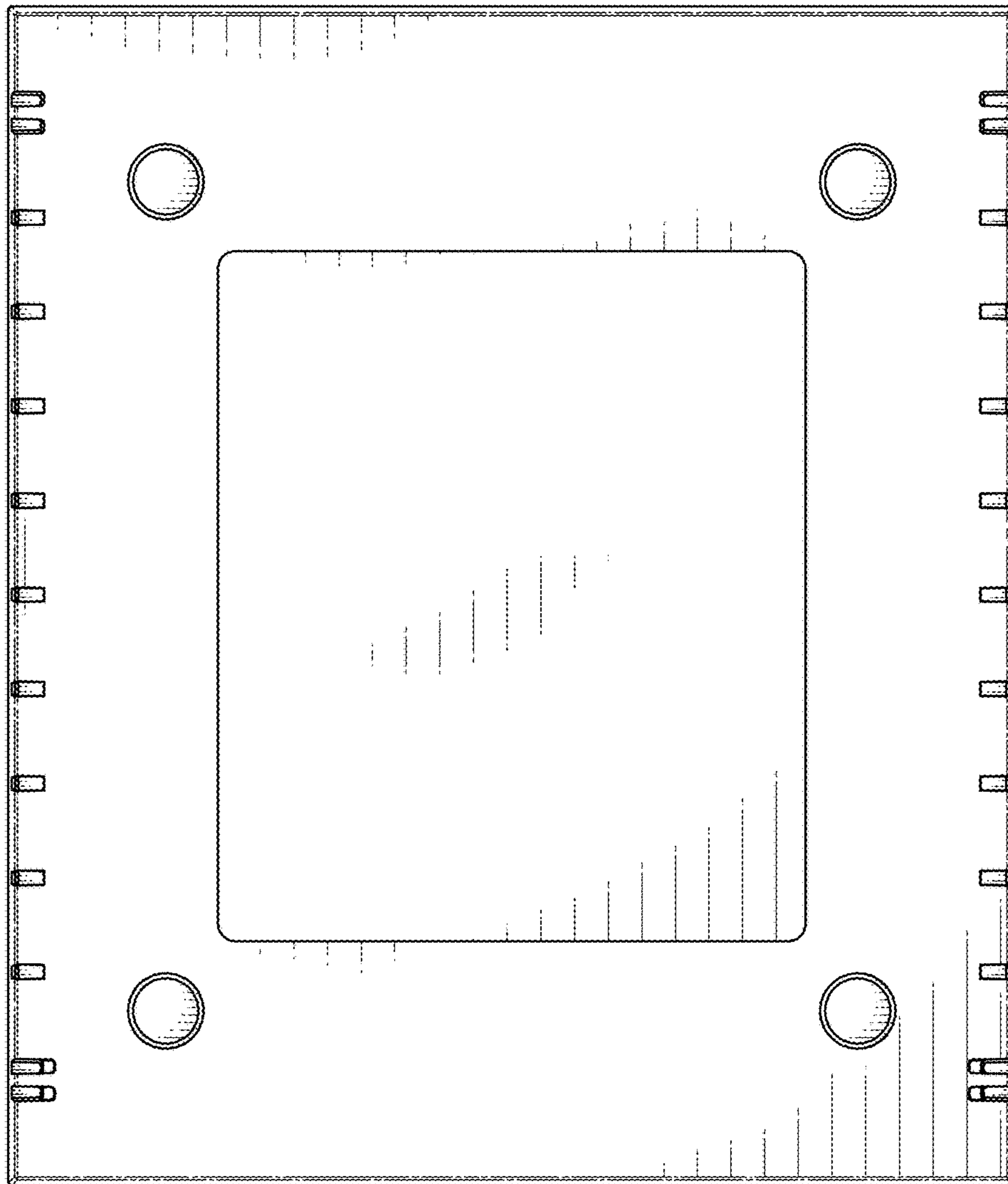


FIG. 5

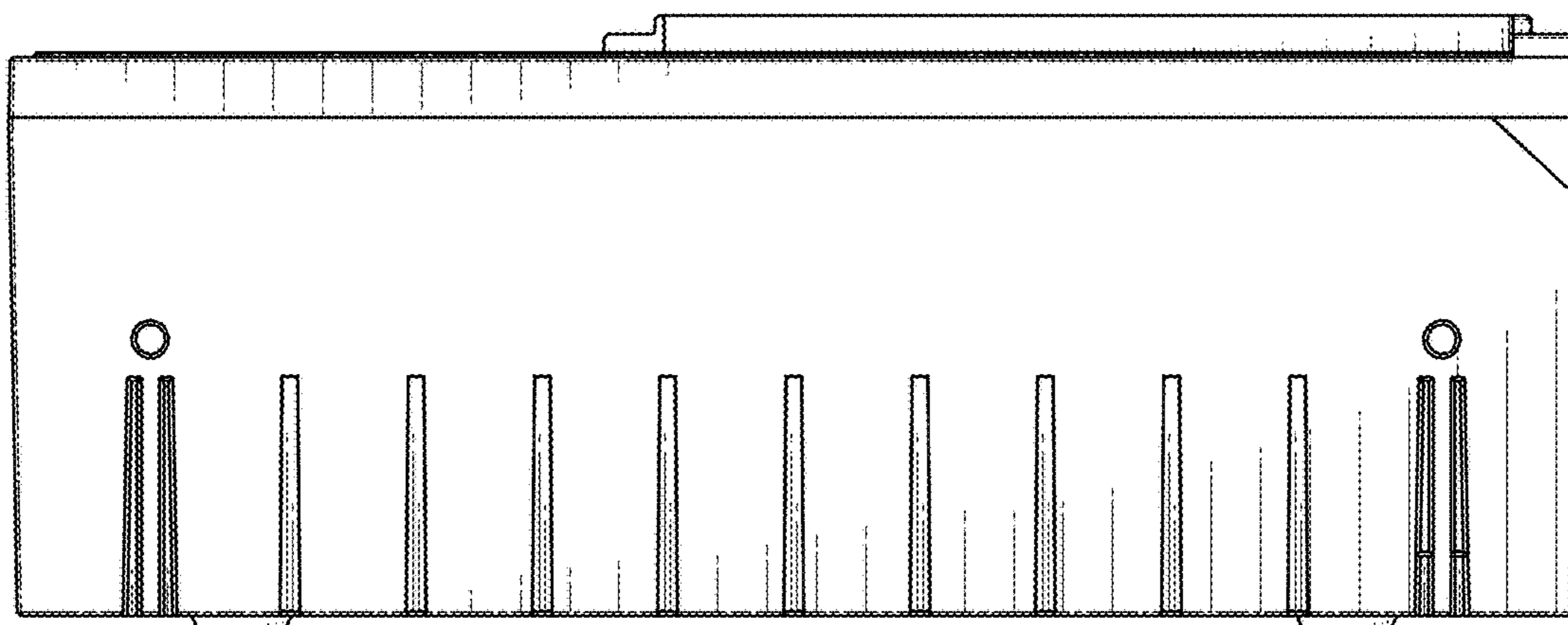


FIG. 6

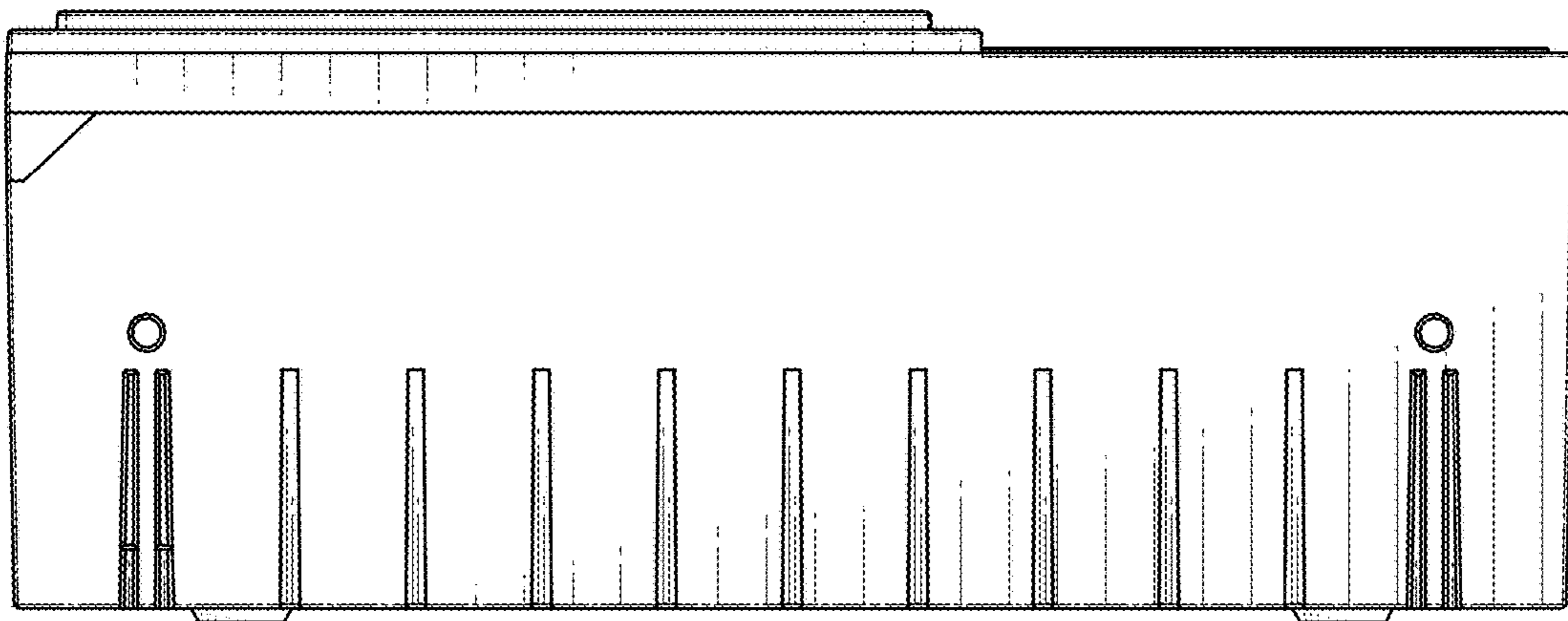


FIG. 7