



US00D819003S

(12) **United States Design Patent** (10) **Patent No.:** **US D819,003 S**
Lee et al. (45) **Date of Patent:** **** May 29, 2018**

(54) **REPEATER FOR COMMUNICATIONS APPARATUS**

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(73) Assignee: **Samsung Electronics Co., Ltd.**, Suwon-si (KR)

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

(21) Appl. No.: **29/598,853**

(22) Filed: **Mar. 29, 2017**

(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/240; D14/358**

(58) **Field of Classification Search**

USPC D14/125, 129, 130, 137, 140, 142, 155, D14/168, 172, 188, 195, 203.1, 203.6, D14/203.8, 204, 209, 209.1, 216, 230, D14/231, 233, 235, 236, 237, 240, 242, D14/299, 300, 302, 348, 351, 356, 357, D14/358, 361, 362, 365, 367, 370, 388, D14/432, 434, 496, 210, 215, 140.1, D14/140.2, 140.3, 140.4, 140.5, 140.6, D14/140.7, 140.8, 141.1, 141.2, 141.3, D14/170, 194, 219, 221, 257, 500, 501;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D286,673 S * 11/1986 Kahn D23/337
D324,864 S * 3/1992 Hector D14/159

(Continued)

OTHER PUBLICATIONS

Samsung 4G LTE Network Extender 2, as posted at VerizonWireless.com [online], posting date not available, [site visited Jan. 11, 2018]. Available from the Internet, <URL: https://www.verizonwireless.com/accessories/samsung-4g-lte-network-extender-2/>.*

(Continued)

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(74) *Attorney, Agent, or Firm* — NSIP Law

(57) **CLAIM**

We claim the ornamental design for a repeater for communications apparatus, as shown and described.

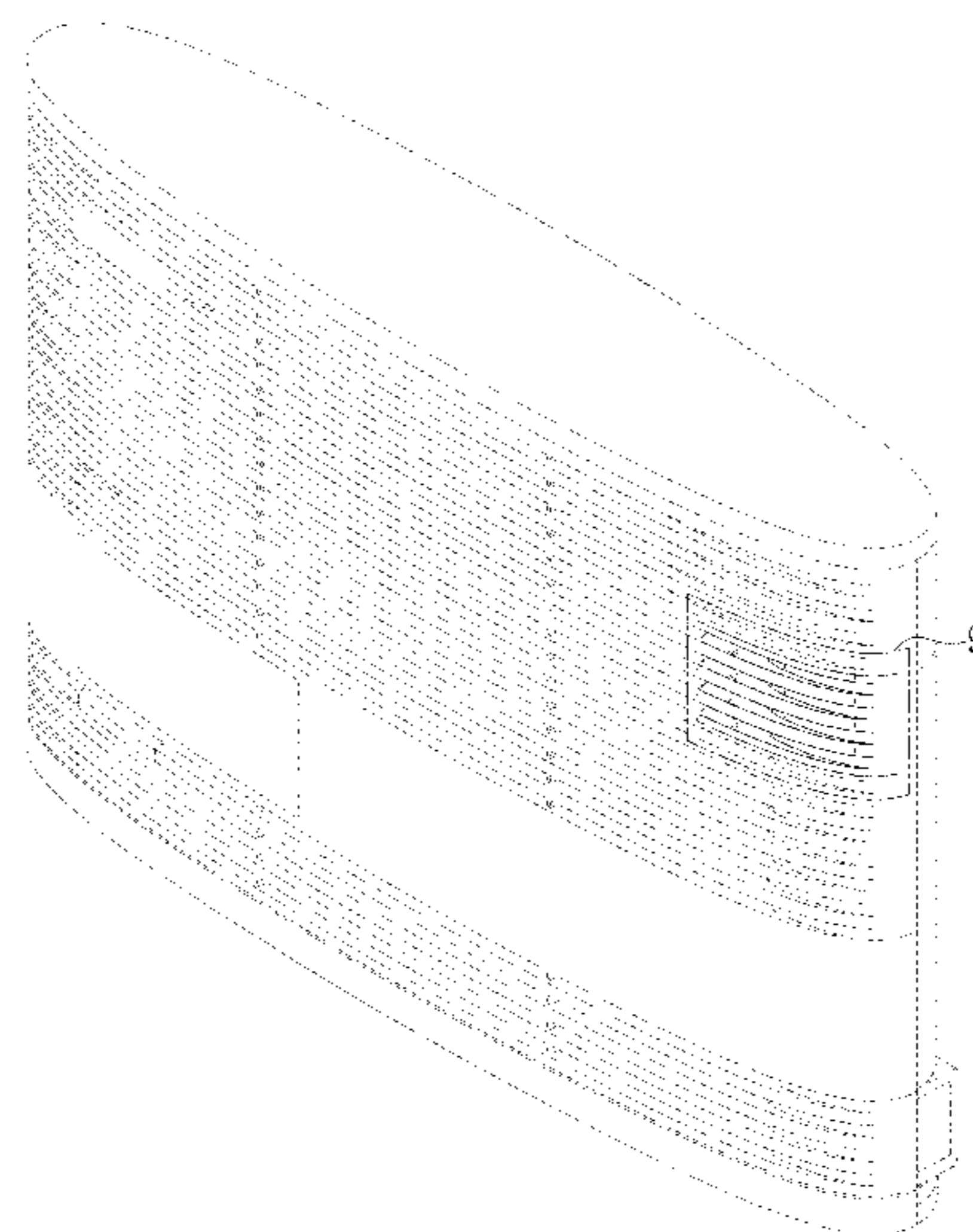
DESCRIPTION

FIG. 1 is a front perspective view of a repeater for communications apparatus 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; FIG. 7 is a bottom plan view thereof; FIG. 8 cross-sectional view taken through line 8-8 of FIG. 2; and, FIG. 9 is an enlarged view of the encircled portion in FIG. 1.

The broken lines in the figures depict environmental subject matter and form no part of the claimed design.

The dot-dash broken lines in the figures illustrate a boundary of the claimed design and form no part thereof. The dot-dot-dash broken lines encircling portions of the claimed design that are illustrated in enlargements form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(58) **Field of Classification Search**

USPC D13/103, 107, 108, 123, 152, 158, 162,
 D13/162.1, 163, 168, 184, 199;
 D10/104.1, 106.2, 106.3, 106.5, 106.6,
 D10/106.9, 106.91, 116.1, 61, 64, 75;
 D9/432; D23/354, 356, 359, 364, 365,
 D23/370, 371, 381, 412
 CPC ... H04W 88/08; H04W 88/085; H04W 88/00;
 H04W 88/005; H04W 88/02; H04W
 88/12; H04W 88/14; H04W 88/16; H04W
 88/18; H04W 4/00; H01Q 1/02; H01Q
 1/2291; H01Q 1/246; H04B 1/38
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D344,729 S * 3/1994 Mueller D14/194
 D353,885 S * 12/1994 Hydak D23/332
 D400,206 S * 10/1998 Mahgerefteh D14/188
 D401,584 S * 11/1998 Lewis D14/214

D407,405 S * 3/1999 Chiu D14/194
 D428,612 S * 7/2000 Scorrano D14/194
 D473,549 S * 4/2003 Nishi D14/242
 D599,776 S 9/2009 Nakagawa
 D641,343 S 7/2011 Kim et al.
 D654,495 S * 2/2012 Barron D14/314
 D699,210 S 2/2014 Naito
 D729,241 S * 5/2015 Sogabe D14/356
 D737,817 S * 9/2015 Starck D14/365
 D783,794 S * 4/2017 Shen D23/364
 D794,080 S * 8/2017 Ellison D15/5
 D794,081 S * 8/2017 Ellison D15/5
 D802,112 S * 11/2017 Jeon D23/364

OTHER PUBLICATIONS

“Verizon and Samsung unveil 4G LTE Network Extender for homes and businesses,” Network Extender pictured therein, as posted at News.Samsung.com [online], posted on Jun. 29, 2016, [site visited Jan. 11, 2018]. Available from the Internet, <URL: <https://news.samsung.com/us/verizon-samsung-4g-lte-network-extender-%E2%80%A8for-homes-businesses/>>.*

* cited by examiner

FIG. 1

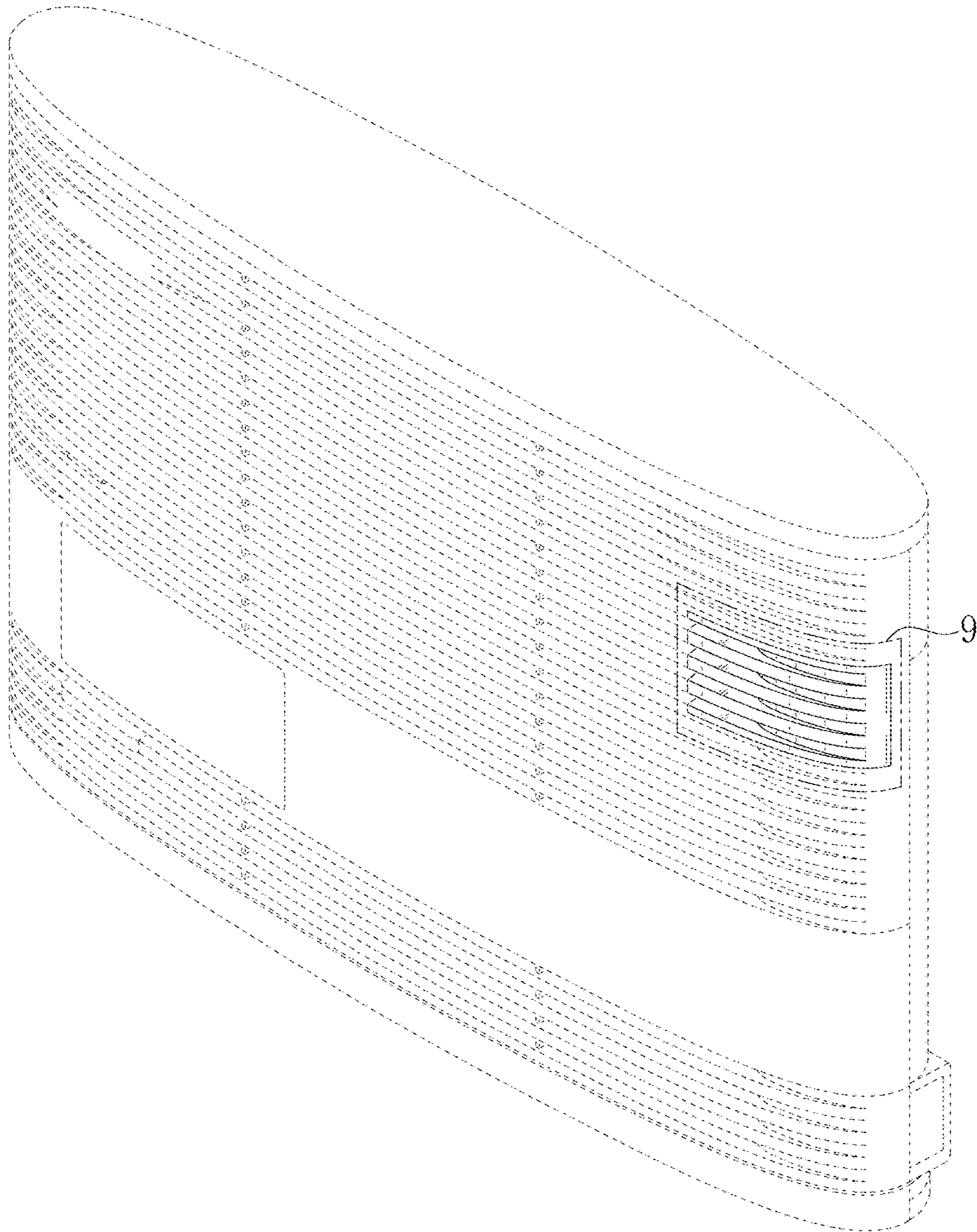


FIG. 2

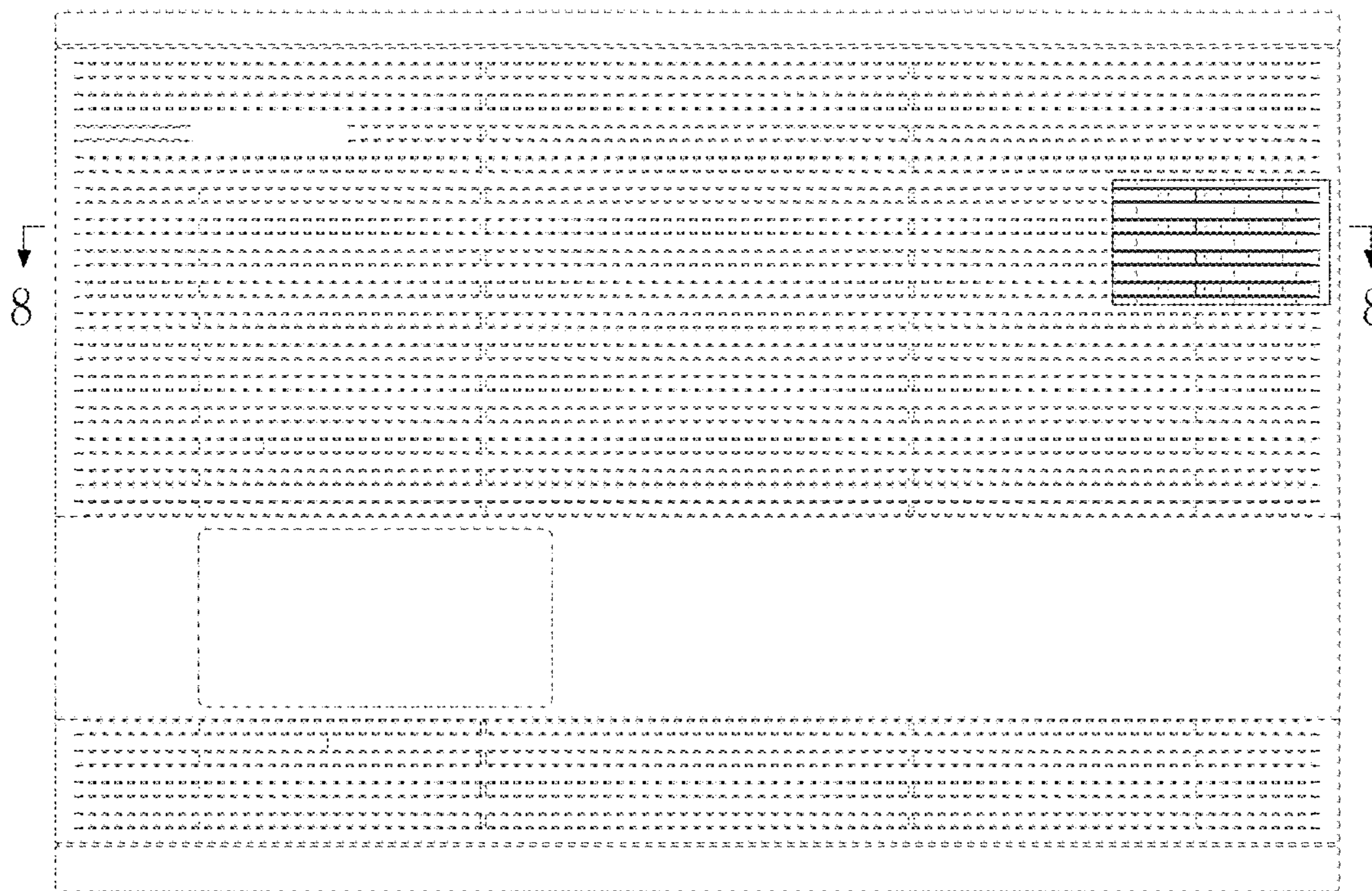


FIG. 3

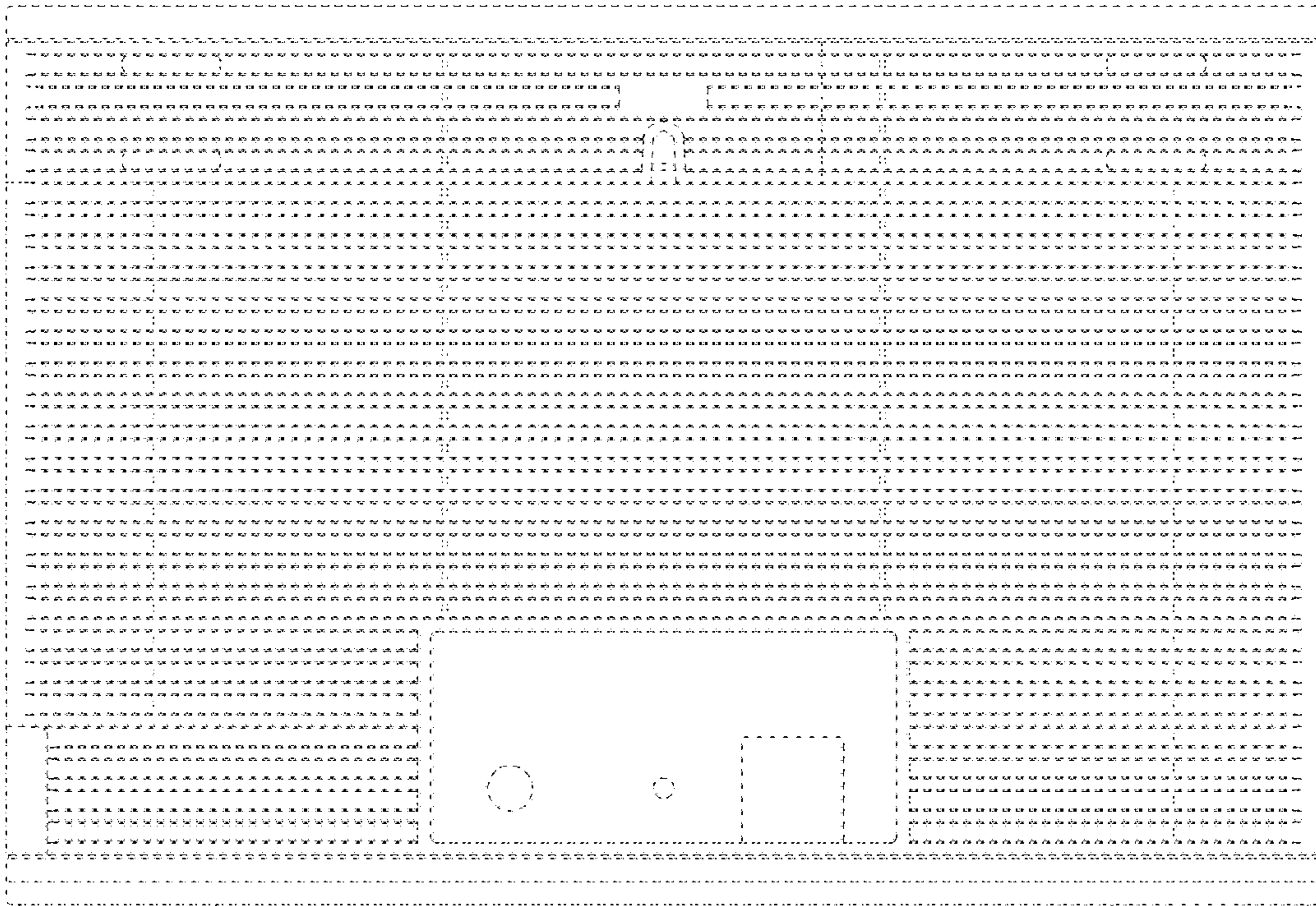


FIG. 4

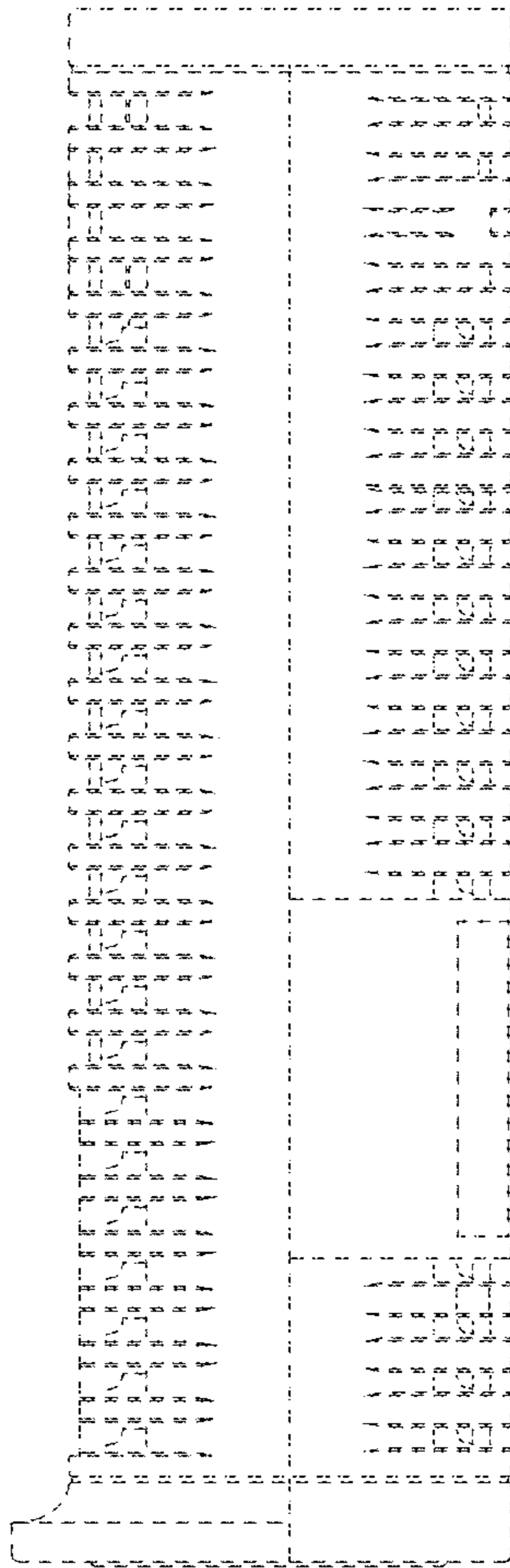


FIG. 5

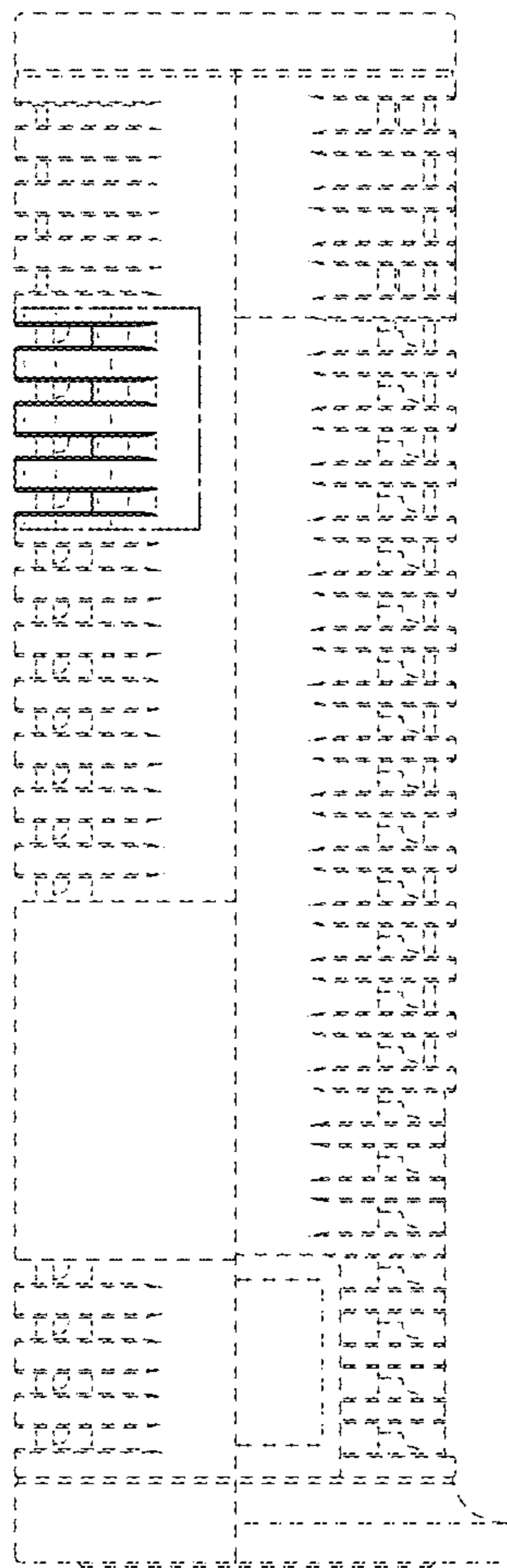


FIG. 6

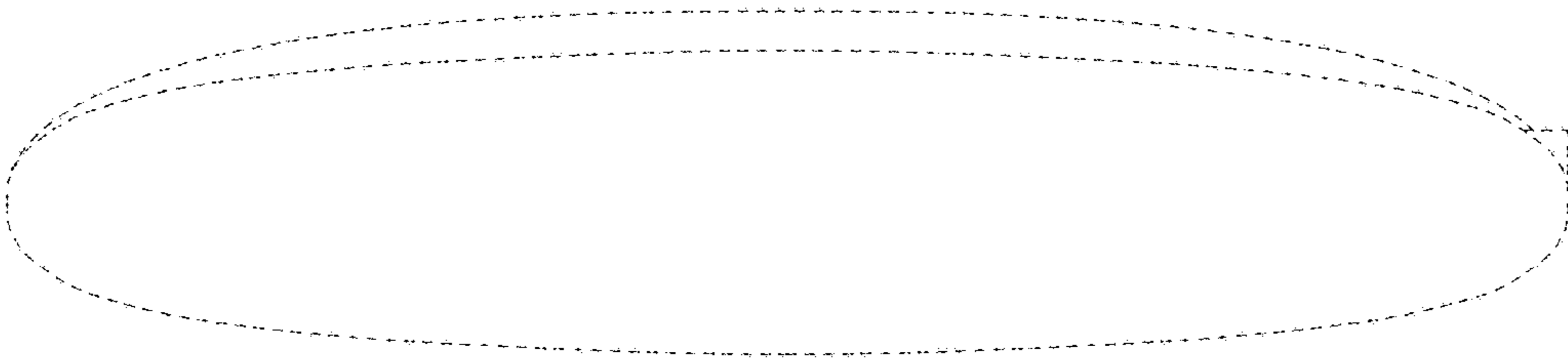


FIG. 7

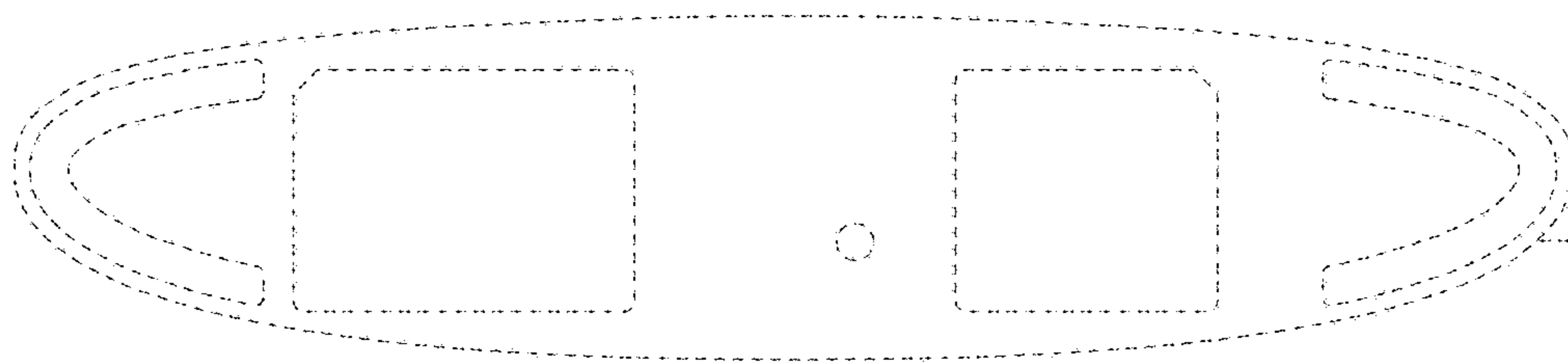


FIG. 8

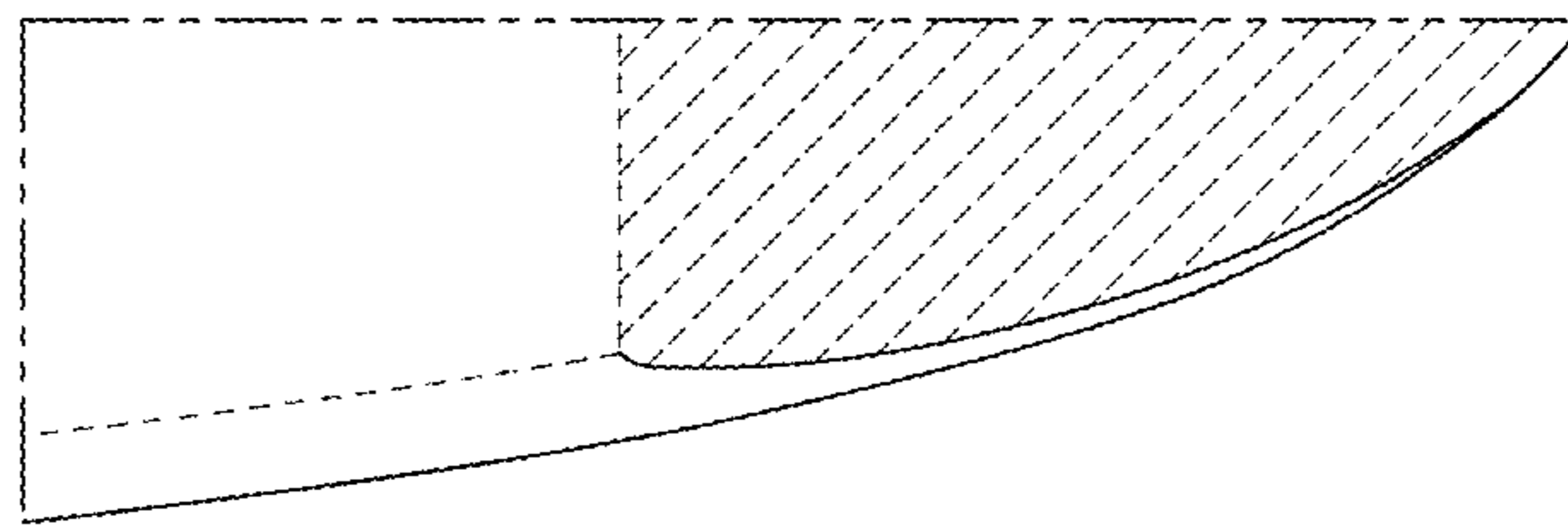


FIG. 9

