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(12) **United States Design Patent** (10) **Patent No.:** **US D1,071,877 S**
Shimada et al. (45) **Date of Patent:** **** Apr. 22, 2025**

(54) **PROGRAMMABLE CONTROLLER**

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(73) Assignee: **OMRON Corporation**, Kyoto (JP)

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

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(30) **Foreign Application Priority Data**

Mar. 24, 2023 (JP) 2023-005844 D

(51) **LOC (15) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/162.1**

(58) **Field of Classification Search**

USPC D13/123, 158, 162, 162.1
CPC G05B 9/02; G05B 19/05; G05B 19/054;
G05B 19/056; G06F 1/182; G06F 1/183;
H05K 7/1462; H05K 7/1467; H05K
7/1474

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D797,672 S * 9/2017 Nada D13/162
D815,606 S * 4/2018 Nada D13/162.1
D857,636 S * 8/2019 Ueda D13/162.1
D857,637 S * 8/2019 Ueda D13/162.1
D868,006 S * 11/2019 Ueda D13/162.1
D869,404 S * 12/2019 Ueda D13/162.1

D893,425 S * 8/2020 Nada D13/123
D904,317 S * 12/2020 Choi D13/162.1
2016/0205801 A1 * 7/2016 Miura H05K 7/1467
361/679.01
2017/0031340 A1 * 2/2017 Kobayashi G05B 9/02
2018/0098453 A1 * 4/2018 Ueda H05K 7/1468
2018/0132382 A1 * 5/2018 Baran H05K 7/20145
2020/0187377 A1 * 6/2020 Otsu G09F 13/08
2020/0259998 A1 * 8/2020 Tsujikawa G05B 19/05

FOREIGN PATENT DOCUMENTS

EM 001740523-0001 * 8/2010
JP D1500057 * 6/2014

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top, front, and right side perspective view of a programmable controller showing our new design;
FIG. 2 is a bottom, rear, and left side perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

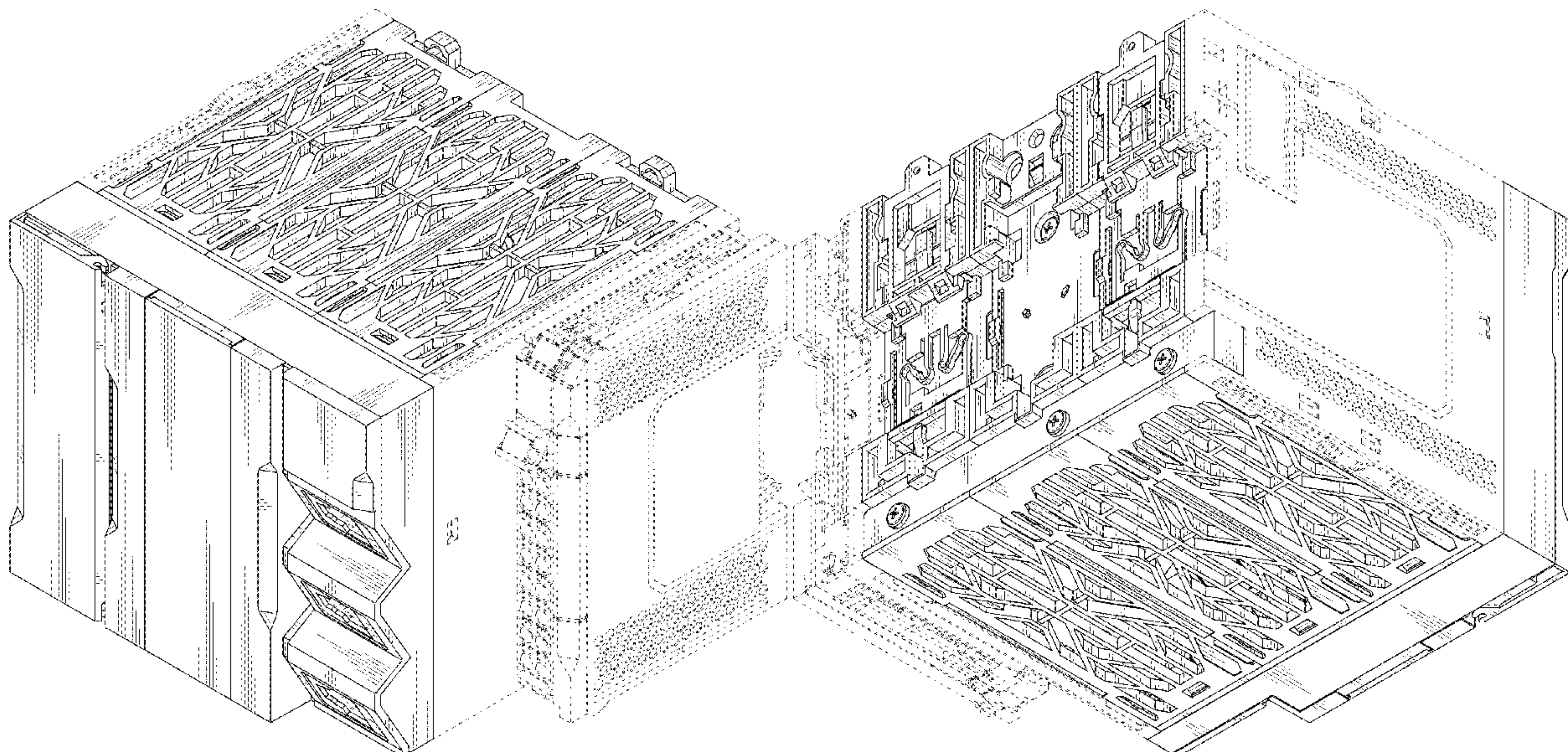
FIG. 6 is a right side view thereof;

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The dashed broken lines in the figures show portions of the programmable controller that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



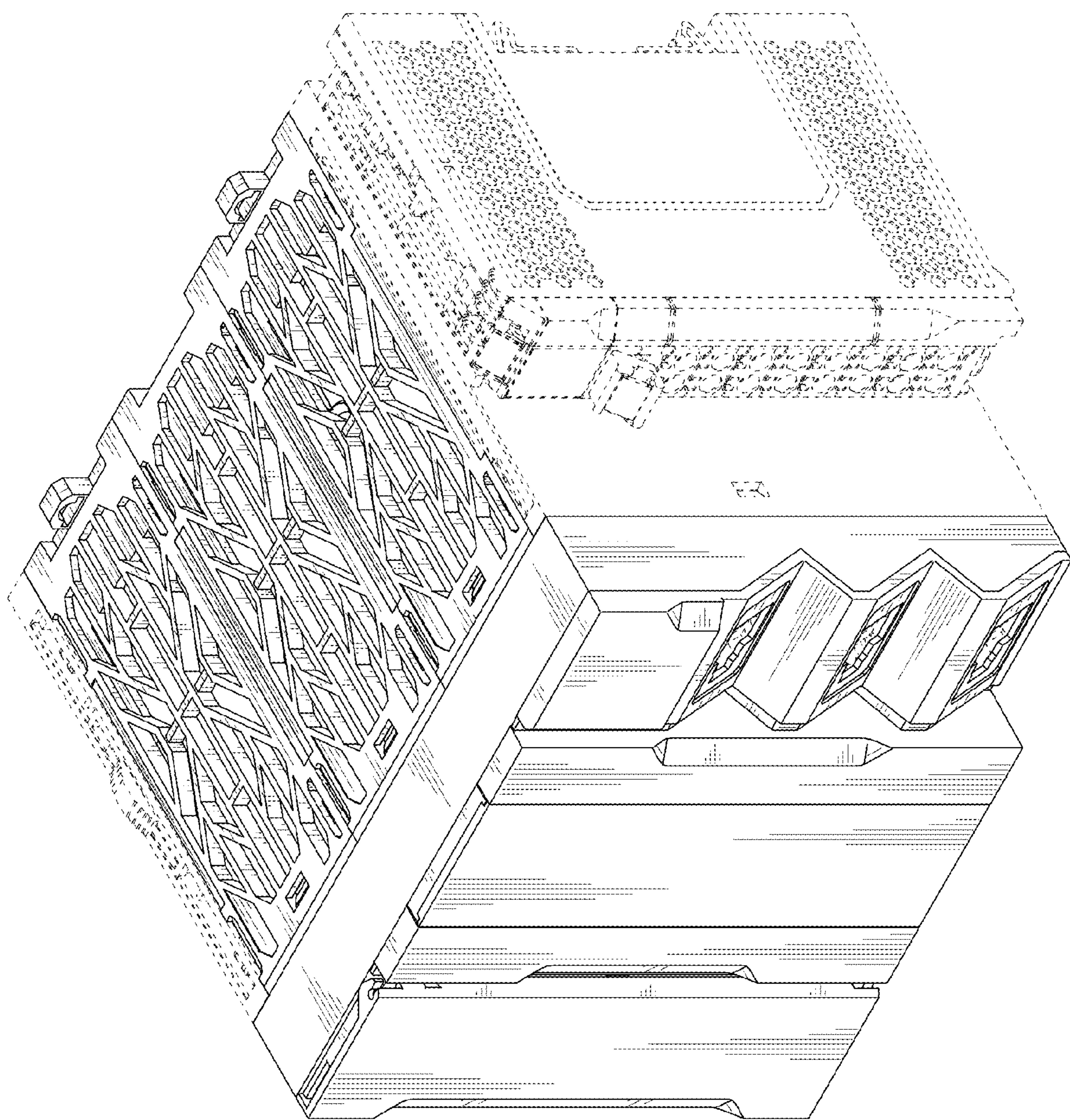


FIG. 1

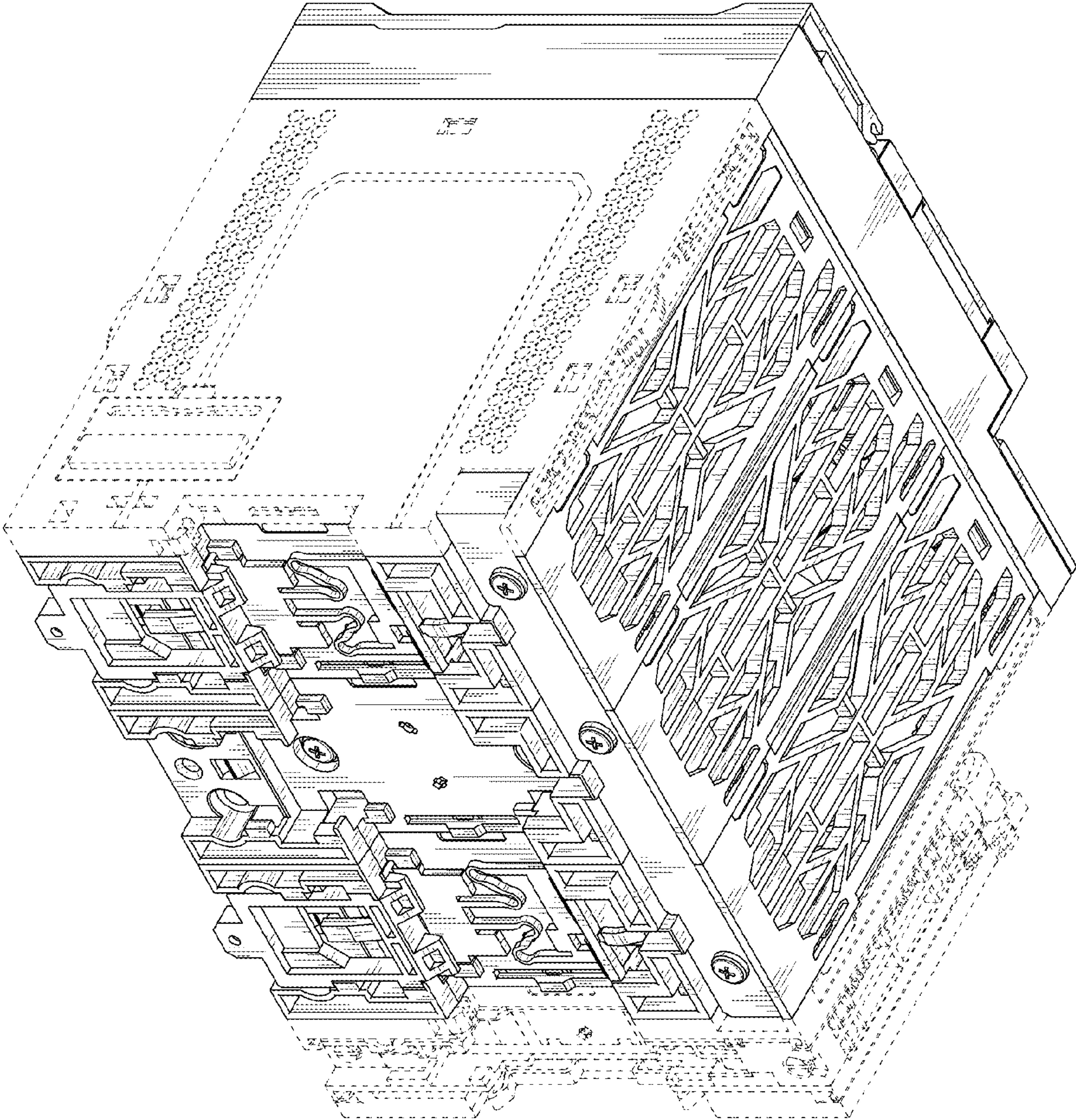


FIG. 2

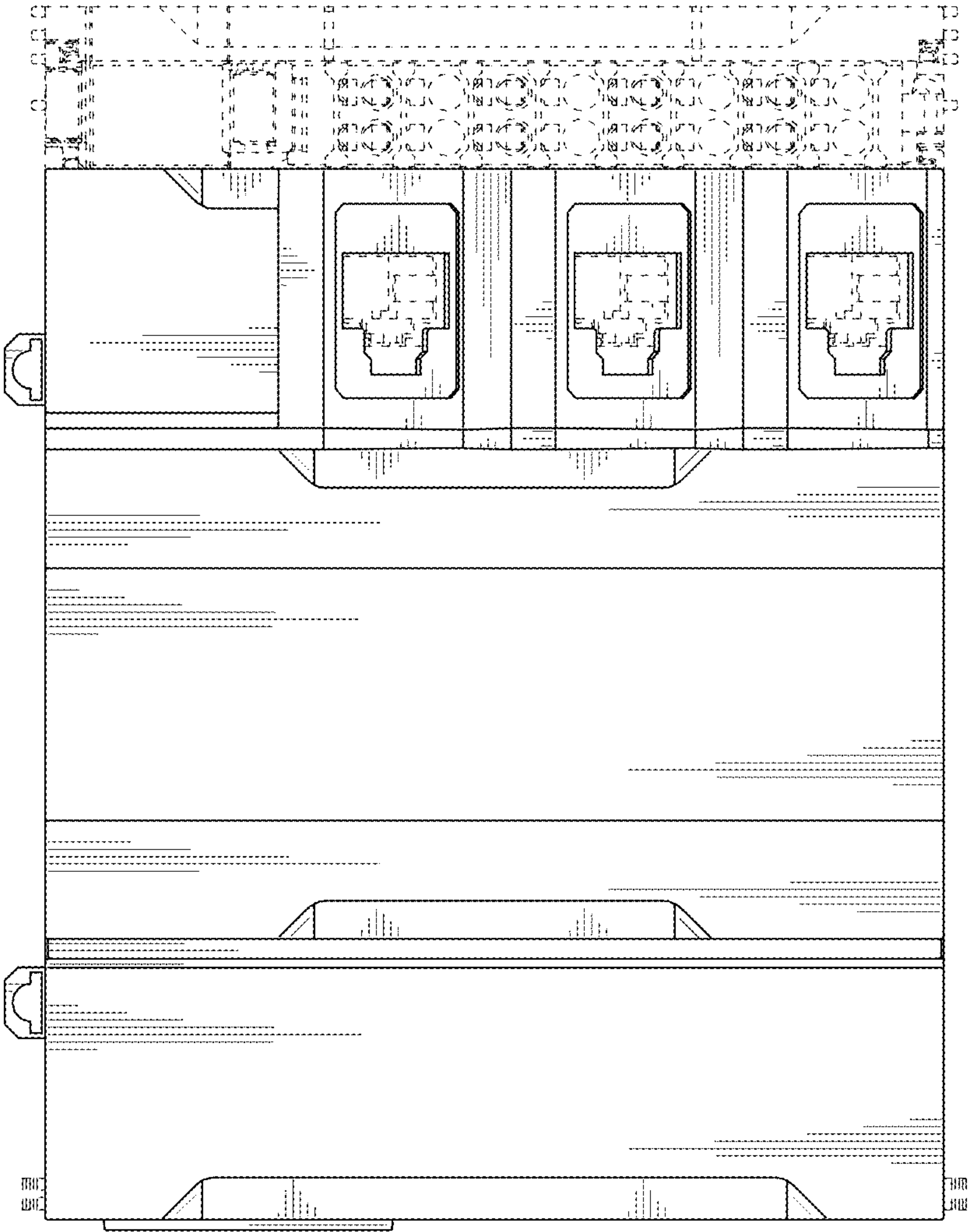


FIG. 3

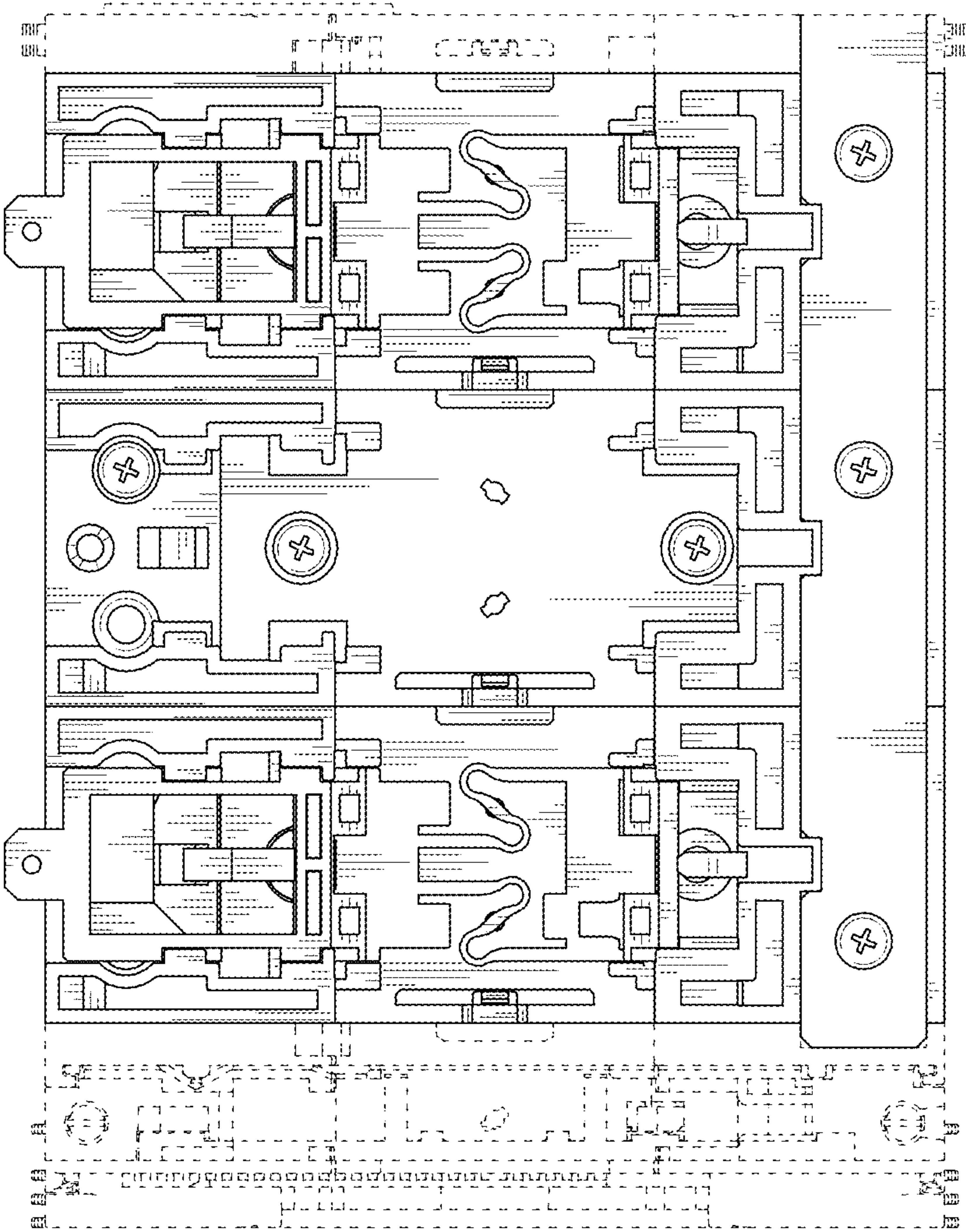


FIG. 4

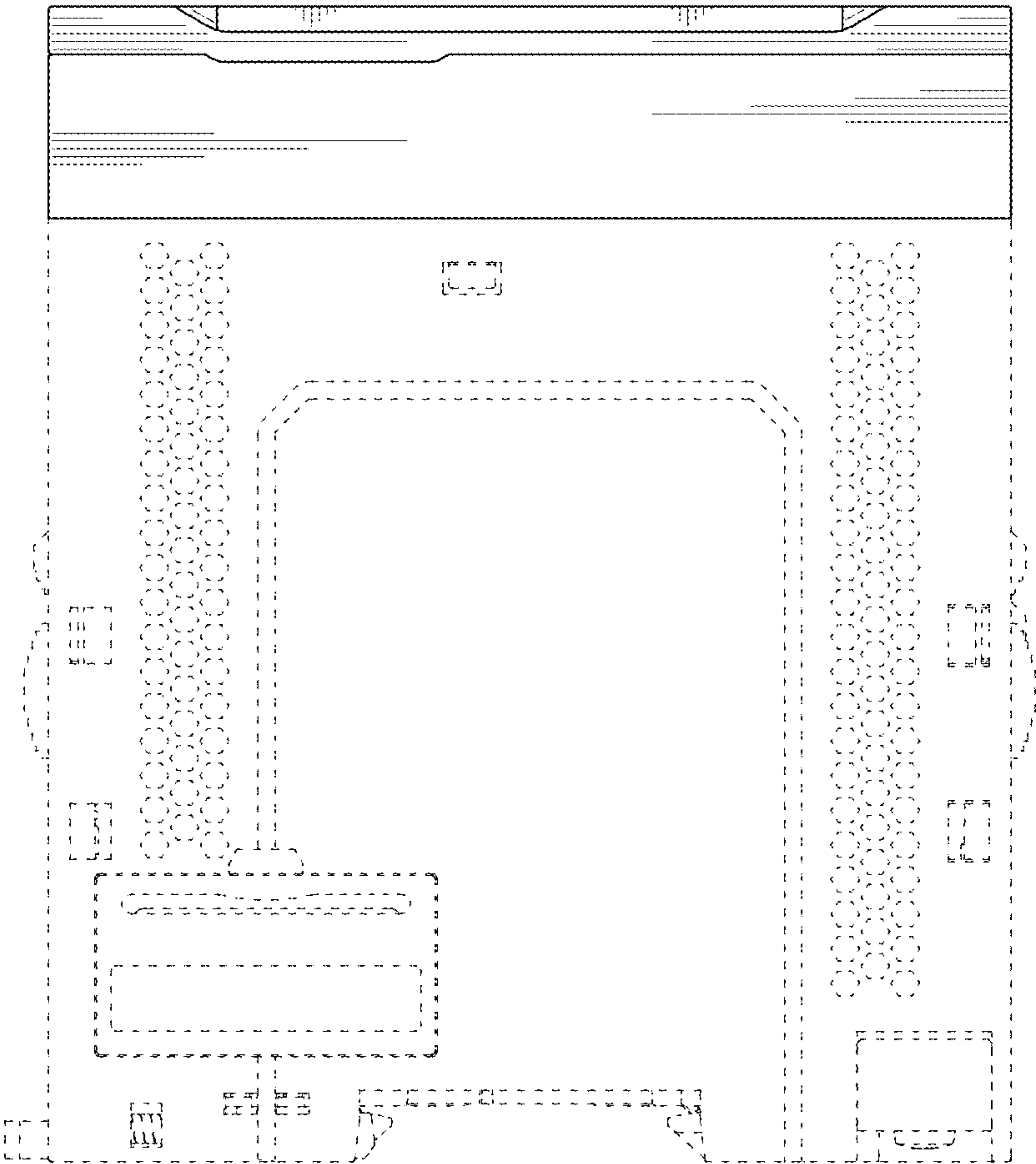


FIG. 5

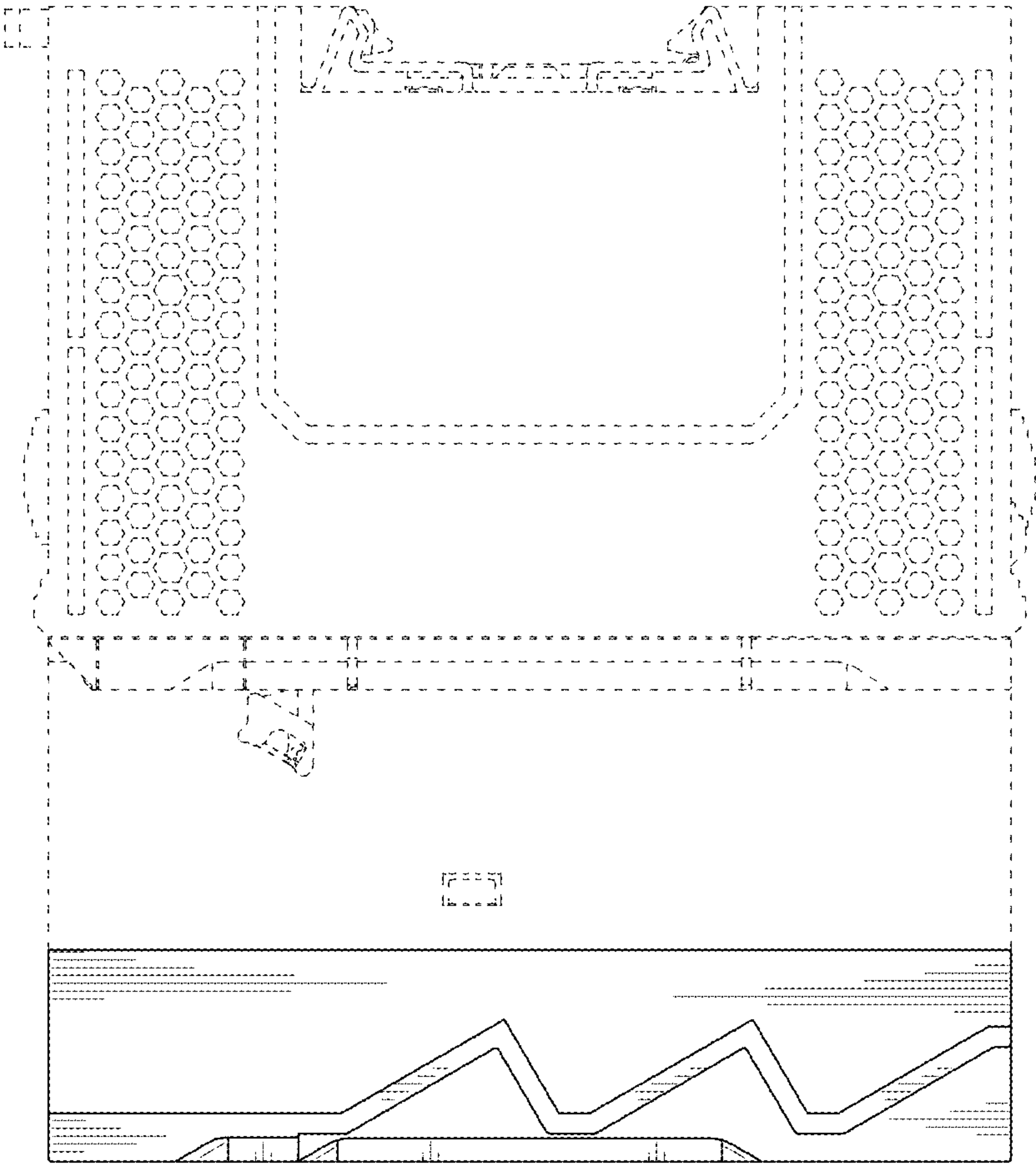


FIG. 6

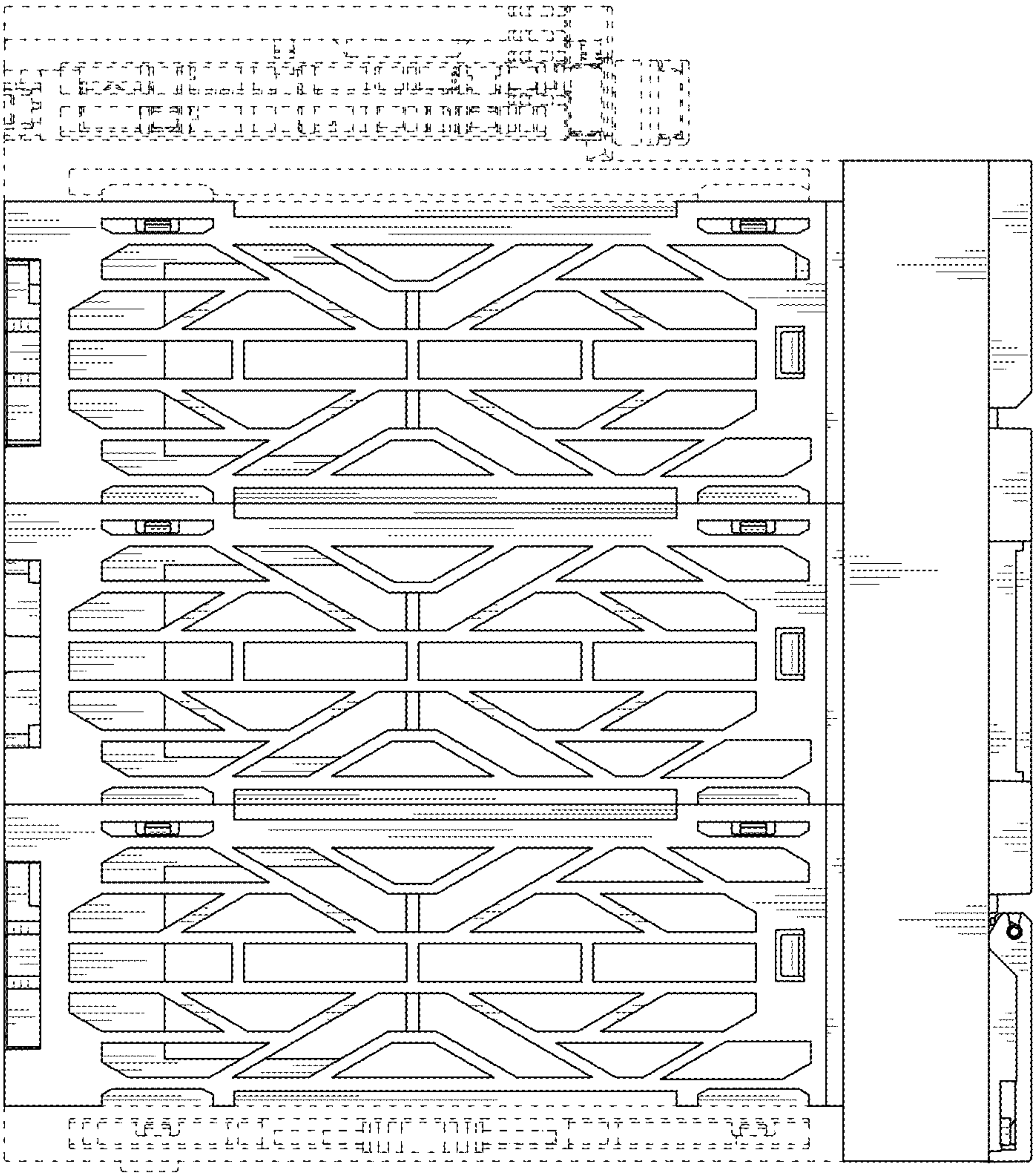


FIG. 7

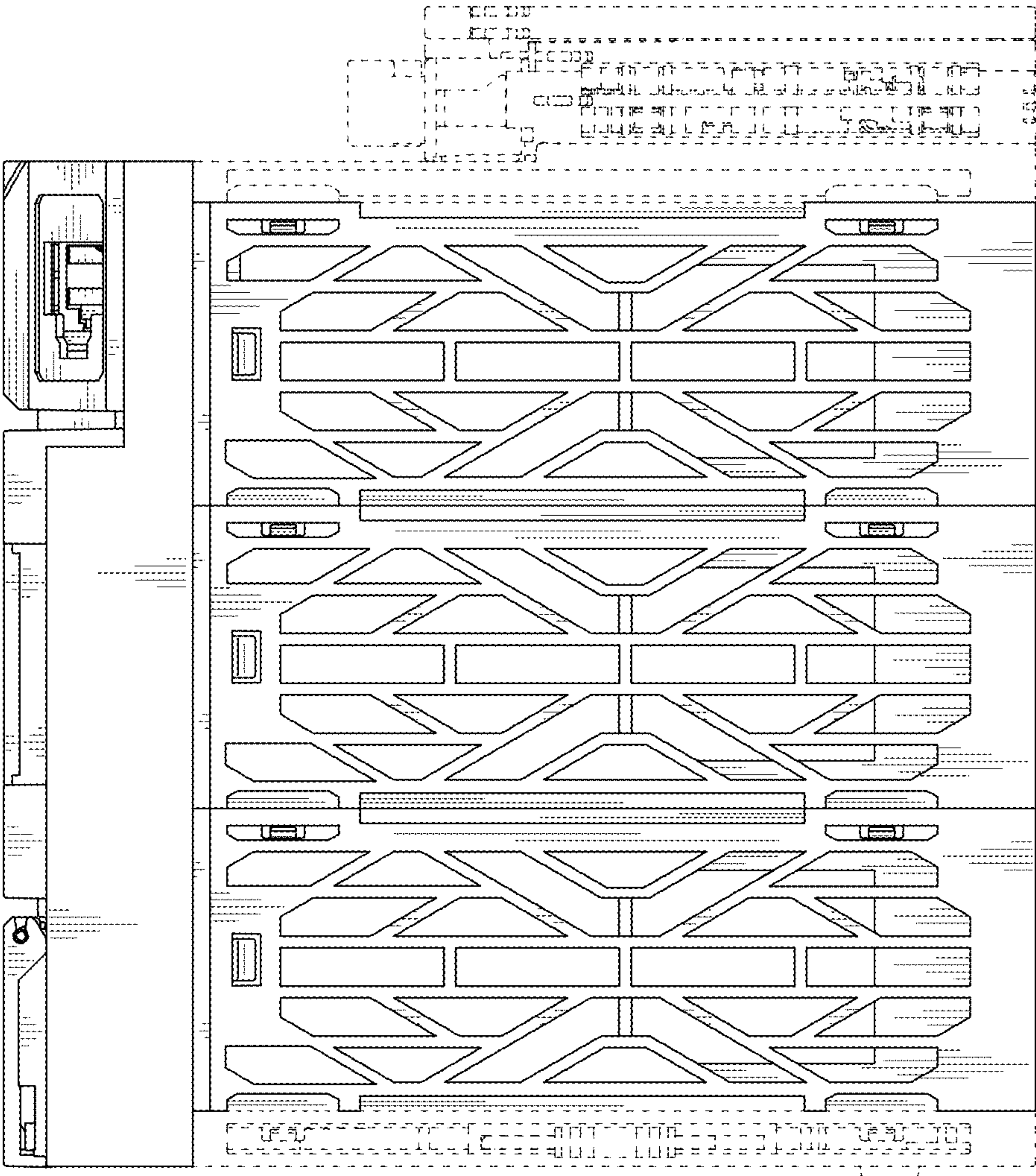


FIG. 8