



US00D971152S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,152 S**
Horino et al. (45) **Date of Patent:** **** Nov. 29, 2022**

(54) **ELECTRICAL CONNECTOR**
(71) Applicant: **KYOCERA Corporation**, Kyoto (JP)
(72) Inventors: **Shintaro Horino**, Yokohama (JP);
Masayoshi Kakino, Yokohama (JP)
(73) Assignee: **KYOCERA CORPORATION**, Kyoto (JP)
(**) Term: **15 Years**
(21) Appl. No.: **29/768,449**
(22) Filed: **Jan. 29, 2021**

D357,657 S * 4/1995 Steinke D12/180
D368,457 S * 4/1996 Steinke D12/180
D423,909 S * 5/2000 Hartin D8/349
7,310,916 B2 * 12/2007 Gorman E06B 1/6069
52/741.1
D952,565 S * 5/2022 Oosaka D13/133
D957,338 S * 7/2022 Esses D13/133
2006/0040557 A1 2/2006 Yamaguchi
2020/0220287 A1 7/2020 Hirakawa
2021/0359456 A1 * 11/2021 Oosaka H01R 13/506
2021/0359459 A1 * 11/2021 Oosaka H01R 13/6581
2021/0359463 A1 * 11/2021 Oosaka H01R 13/6582

(30) **Foreign Application Priority Data**
Oct. 6, 2020 (JP) 2020-021396 D
(51) **LOC (13) Cl.** **13-03**
(52) **U.S. Cl.**
USPC **D13/133; D13/147; D12/180**
(58) **Field of Classification Search**
USPC D8/349, 354, 399; D12/180; D13/133,
D13/146-147, 149, 154, 184, 199
CPC H01R 12/52; H01R 12/707; H01R 12/716;
H01R 12/71; H01R 12/73; H01R 13/20;
H01R 13/506; H01R 13/518; H01R
13/631; H01R 13/6271; H01R 13/6581;
H01R 13/6582; H01R 13/6594; B60G
2204/4402; E06B 1/6069; Y10S 425/129;
B62D 17/00
See application file for complete search history.

FOREIGN PATENT DOCUMENTS

JP 2006-059589 A 3/2006
JP 2019-087382 A 6/2019

* cited by examiner

Primary Examiner — Shawn T Gingrich
Assistant Examiner — Bryan N. Melvin
(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

(57) **CLAIM**

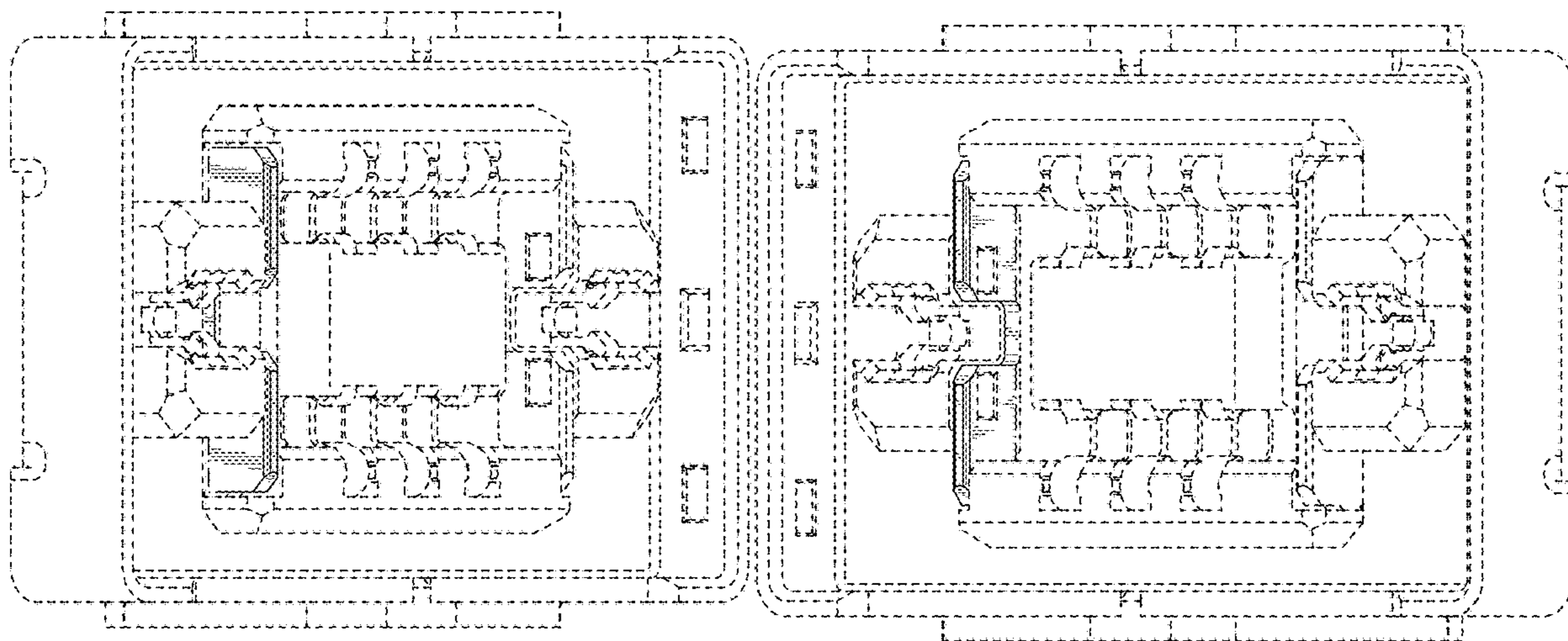
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a front and left-side perspective view of an electrical connector showing our new design; FIG. 2 is a front and right-side perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is rear elevational view thereof; FIG. 5 is a left-side elevational view thereof; FIG. 6 is a right-side elevational view thereof; FIG. 7 is a top plan view thereof; and, FIG. 8 is a bottom plan view thereof.

The broken lines depict portions of the electrical connector that form no part of the claimed design. The dot-dash boundary lines define the boundary of the claimed design and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



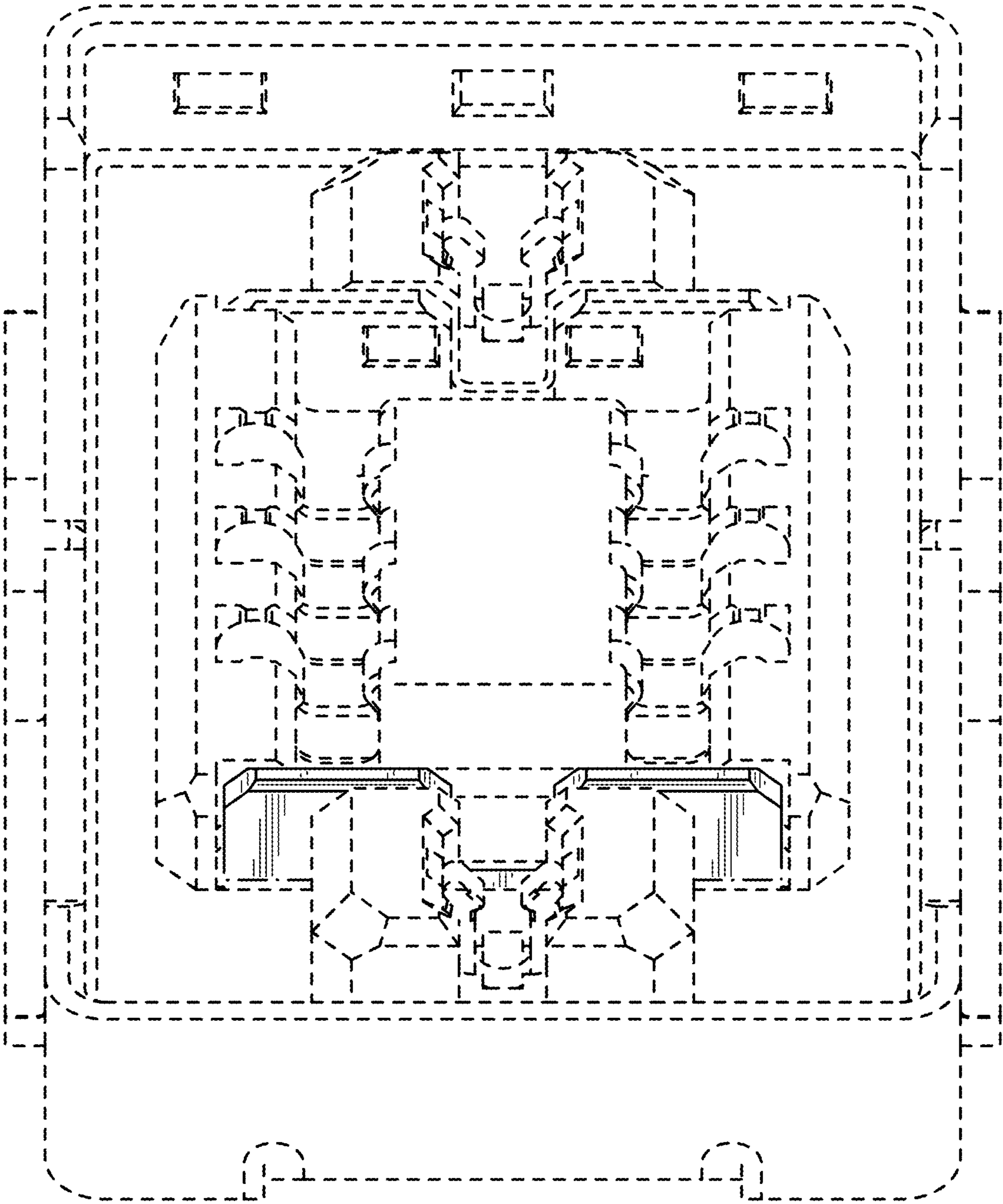


FIG. 1

FIG. 2

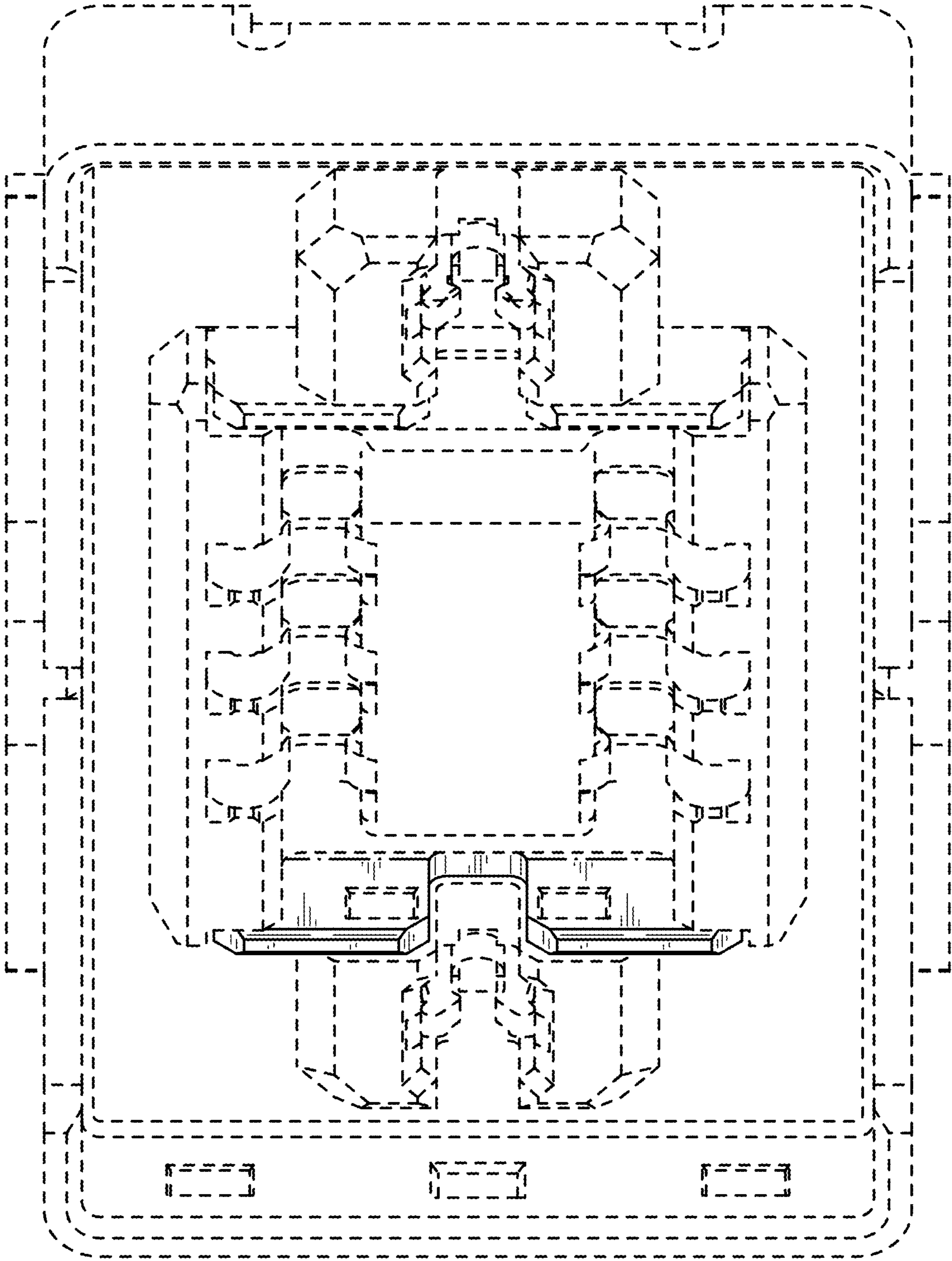
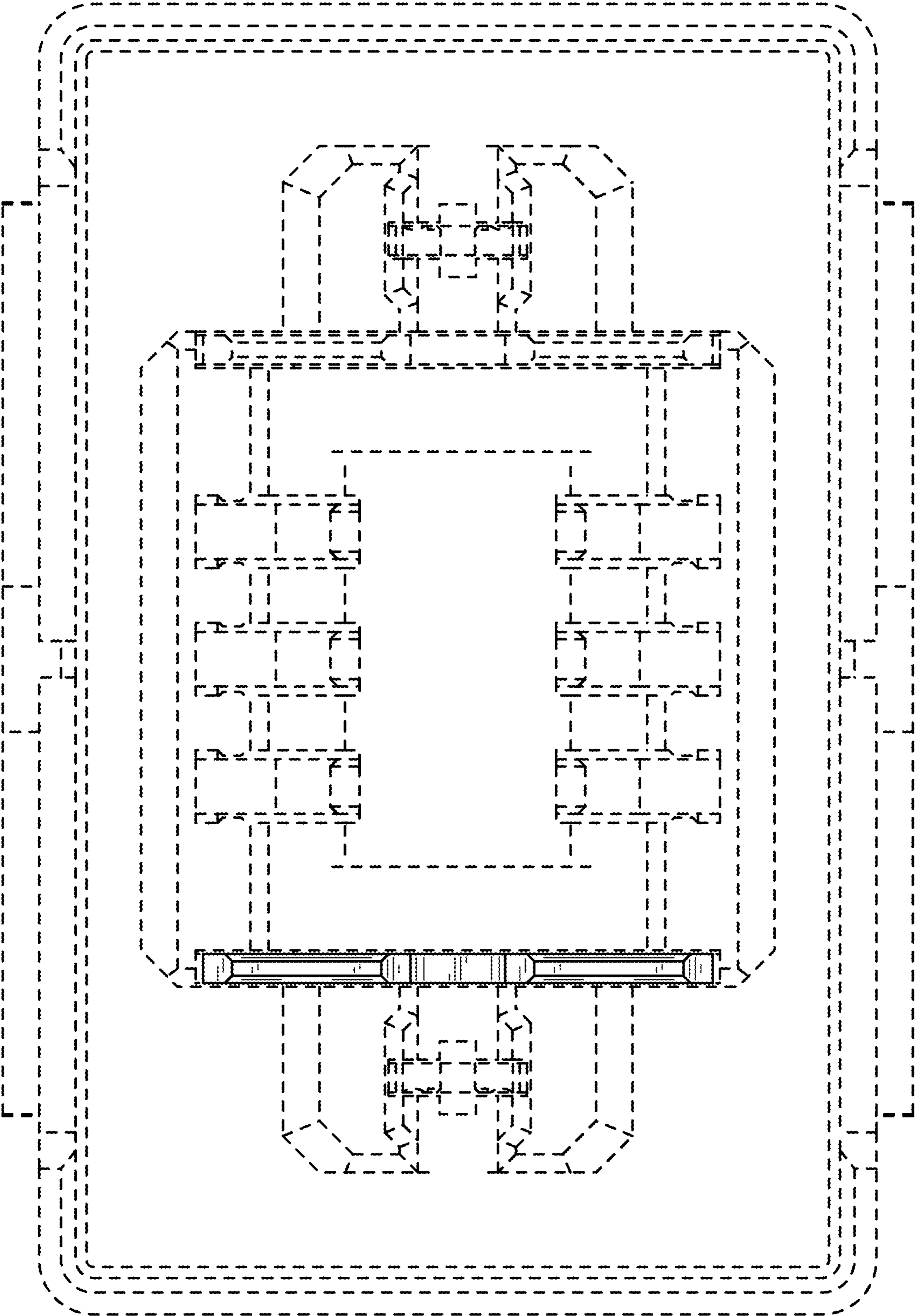


FIG. 3



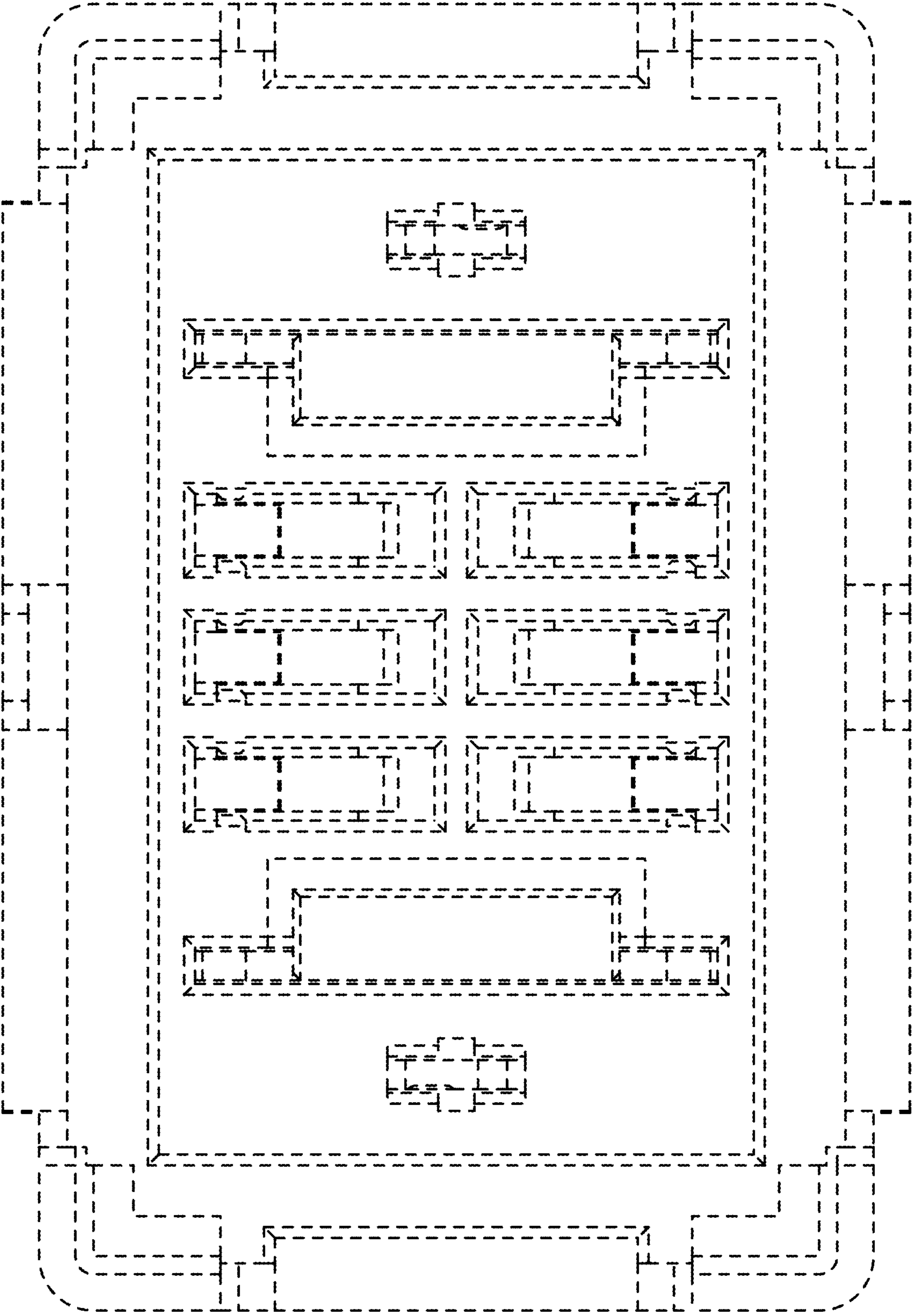


FIG. 4

FIG. 5



FIG. 6

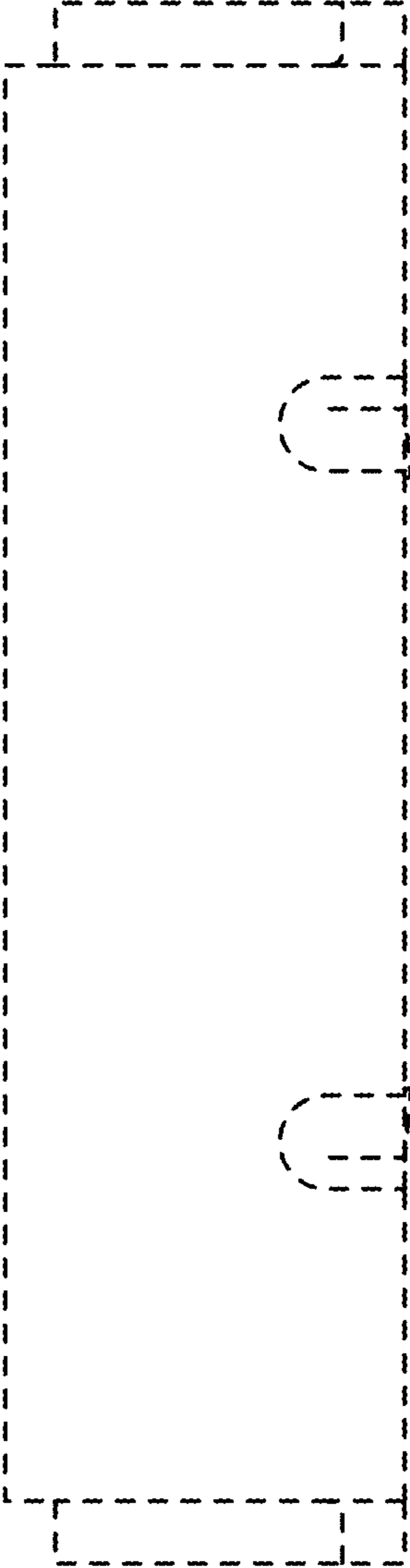


FIG. 7

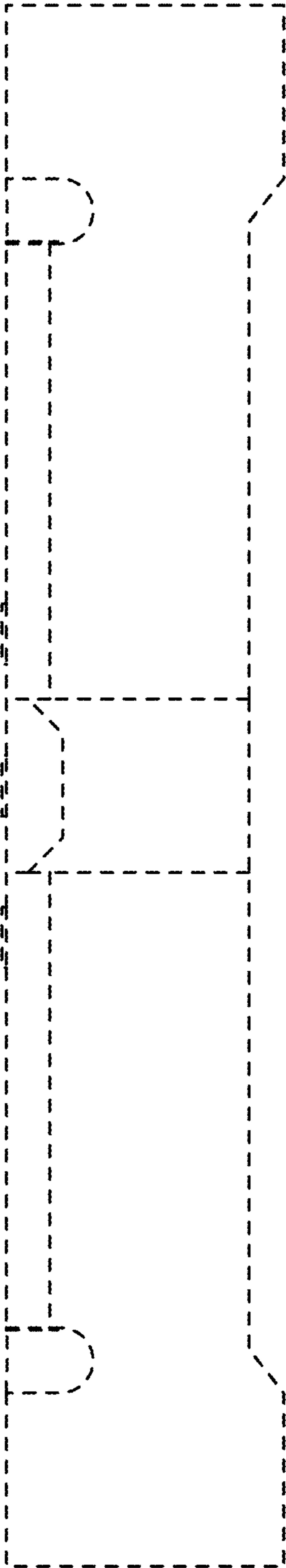


FIG. 8

