

US00D917399S

(12) **United States Design Patent** (10) **Patent No.:** **US D917,399 S**  
**Yanase et al.** (45) **Date of Patent:** **\*\* Apr. 27, 2021**

(54) **ELECTRIC CONNECTOR**  
(71) Applicant: **SMK Corporation**, Tokyo (JP)  
(72) Inventors: **Tomoyasu Yanase**, Tokyo (JP); **Kiyoshi Asai**, Kanagawa (JP); **Naoyuki Ono**, Chiba (JP); **Hiroyasu Kamatani**, Tokyo (JP)  
(73) Assignee: **SMK Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/724,511**

(22) Filed: **Feb. 16, 2020**

(30) **Foreign Application Priority Data**

Sep. 27, 2019 (JP) ..... 2019-021614

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

(52) **U.S. Cl.**  
USPC ..... **D13/146**

(58) **Field of Classification Search**  
USPC ..... D13/103, 110, 118–120, 123, 133, 146,  
D13/147, 149, 154, 173, 174, 178, 184,  
D13/199  
CPC ..... H01R 12/00; H01R 12/70; H01R 12/71;  
H01R 12/75; H01R 13/00; H01R 13/24;  
H01R 13/42; H01R 13/627; H01R  
13/631; H01R 13/6585; H01R 24/00;  
H01R 24/60  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D642,986 S \* 8/2011 Nishimura ..... D13/147  
D696,201 S \* 12/2013 Takenaga ..... D13/147

D703,146 S \* 4/2014 Takenaga ..... D13/147  
D722,564 S \* 2/2015 Yoshida ..... D13/147  
D745,463 S \* 12/2015 Kobuchi ..... D13/147  
D756,933 S \* 5/2016 Kobuchi ..... D13/147  
D908,636 S \* 1/2021 Takenaga ..... D13/147  
10,923,854 B2 \* 2/2021 Tanaka ..... H01R 13/6273  
2018/0198242 A1 \* 7/2018 Chuang ..... H01R 12/707  
2018/0294603 A1 \* 10/2018 Nishi ..... H01R 12/716  
2019/0165513 A1 \* 5/2019 Tanaka ..... H01R 13/6273  
2020/0212634 A1 \* 7/2020 Teruki ..... H01R 13/6597  
2021/0005993 A1 \* 1/2021 Yanase ..... H01R 12/716

**FOREIGN PATENT DOCUMENTS**

JP 2018081940 A \* 5/2018  
JP 2018113268 A \* 7/2018

\* cited by examiner

*Primary Examiner* — Angela J Lee  
*Assistant Examiner* — Shawn T Gingrich

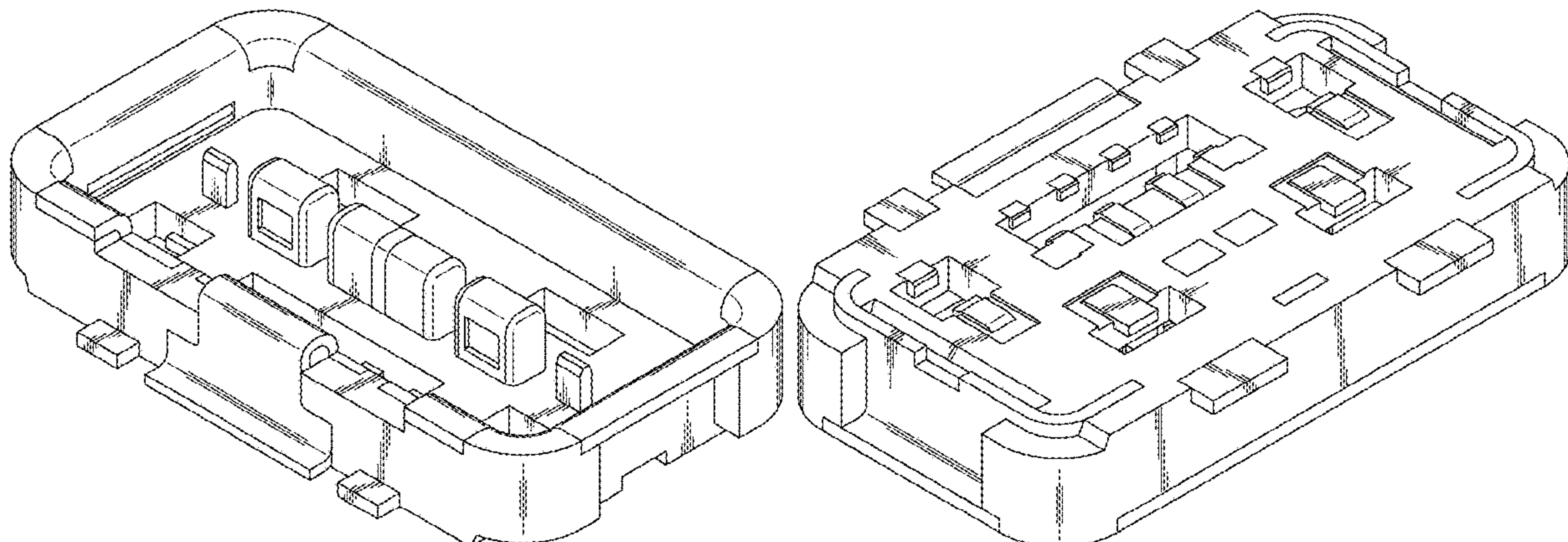
(57) **CLAIM**

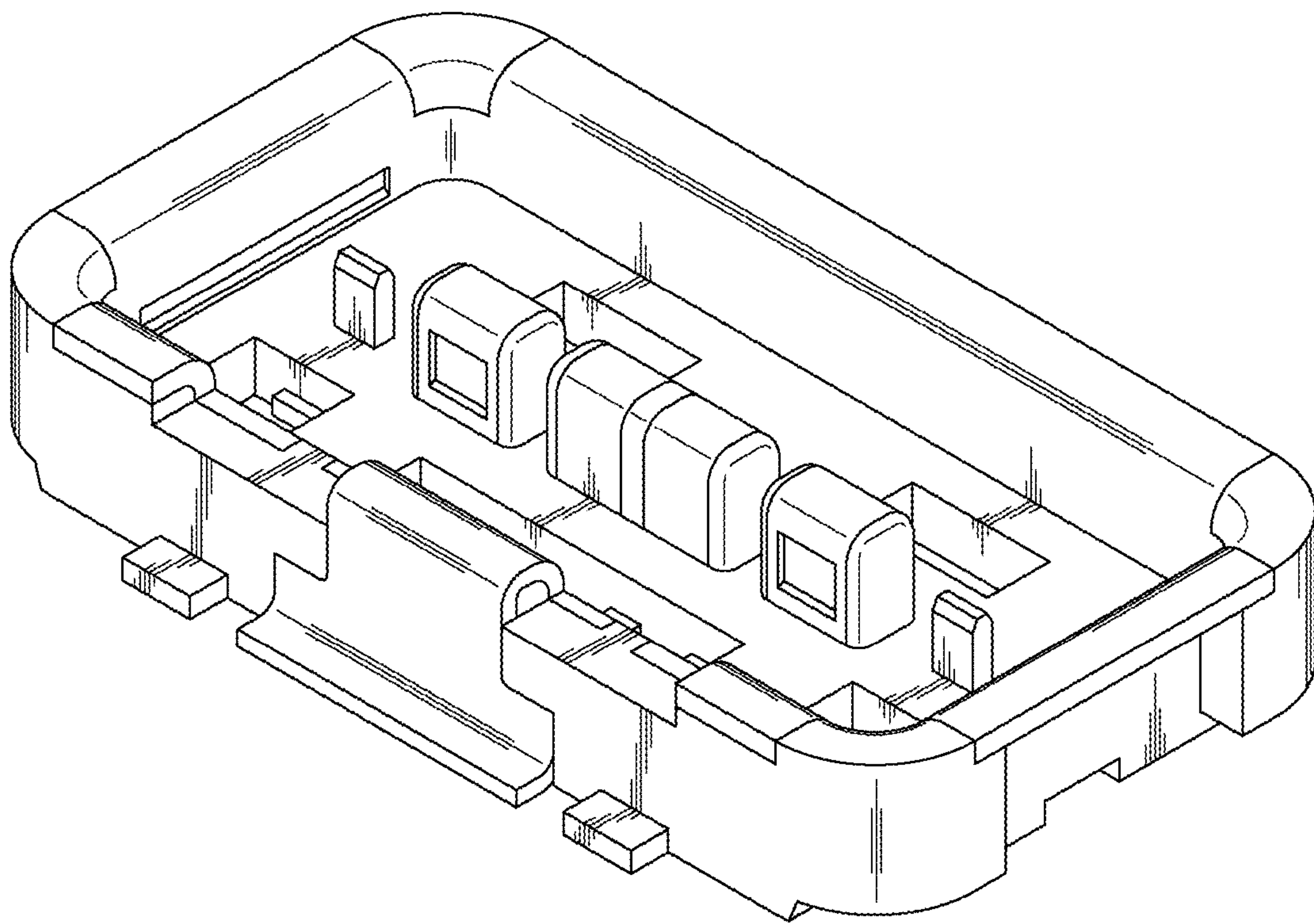
The ornamental design for an electric connector, as shown and described.

**DESCRIPTION**

FIG. 1 is a 1st perspective view of an electric connector, showing our new design;  
FIG. 2 is a 2nd perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a left side view thereof, with the right side view being symmetrical to the left side view.  
The shadings in the figures show contour and not surface ornamentation.

**1 Claim, 7 Drawing Sheets**





*Fig. 1*

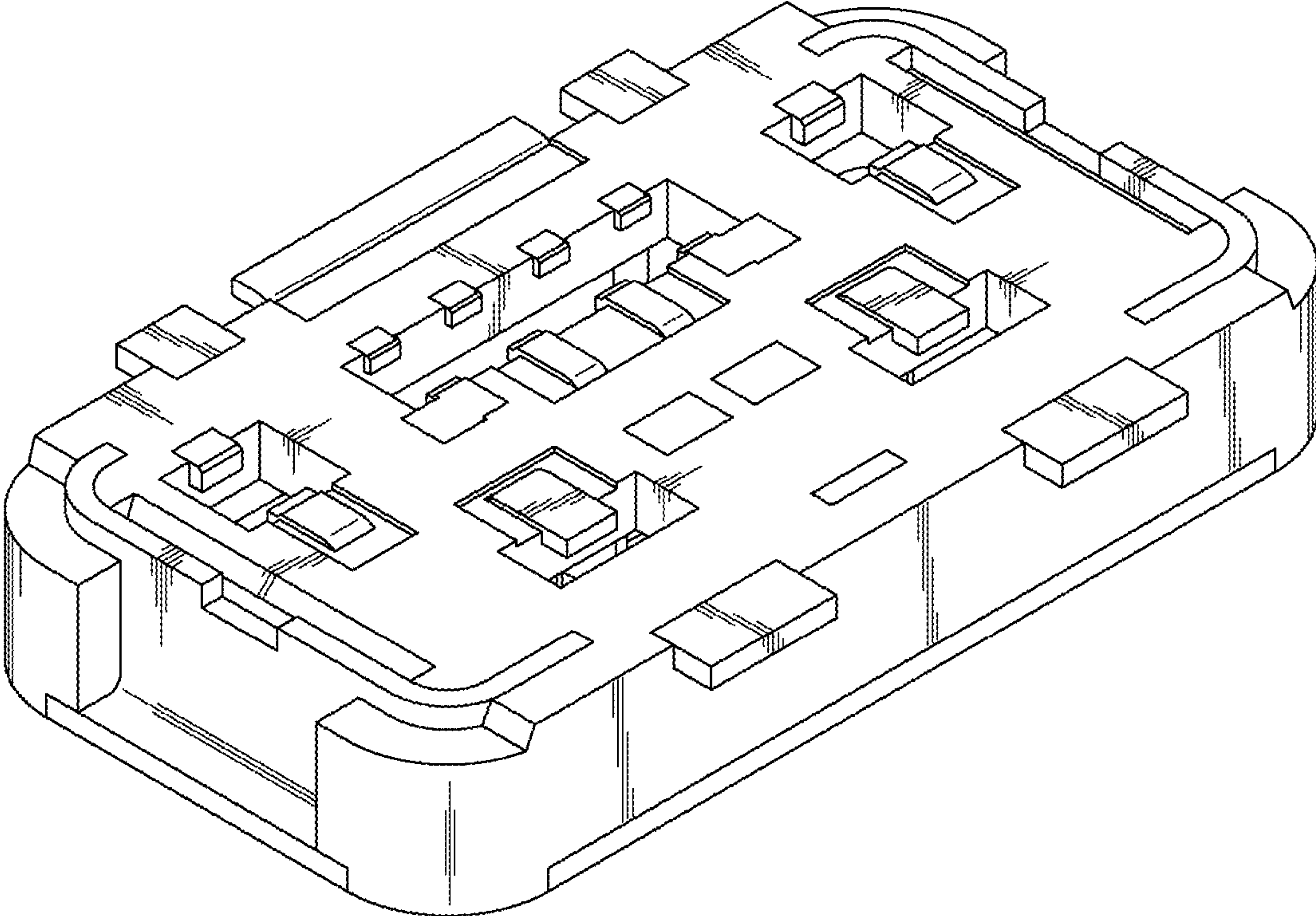


Fig.2



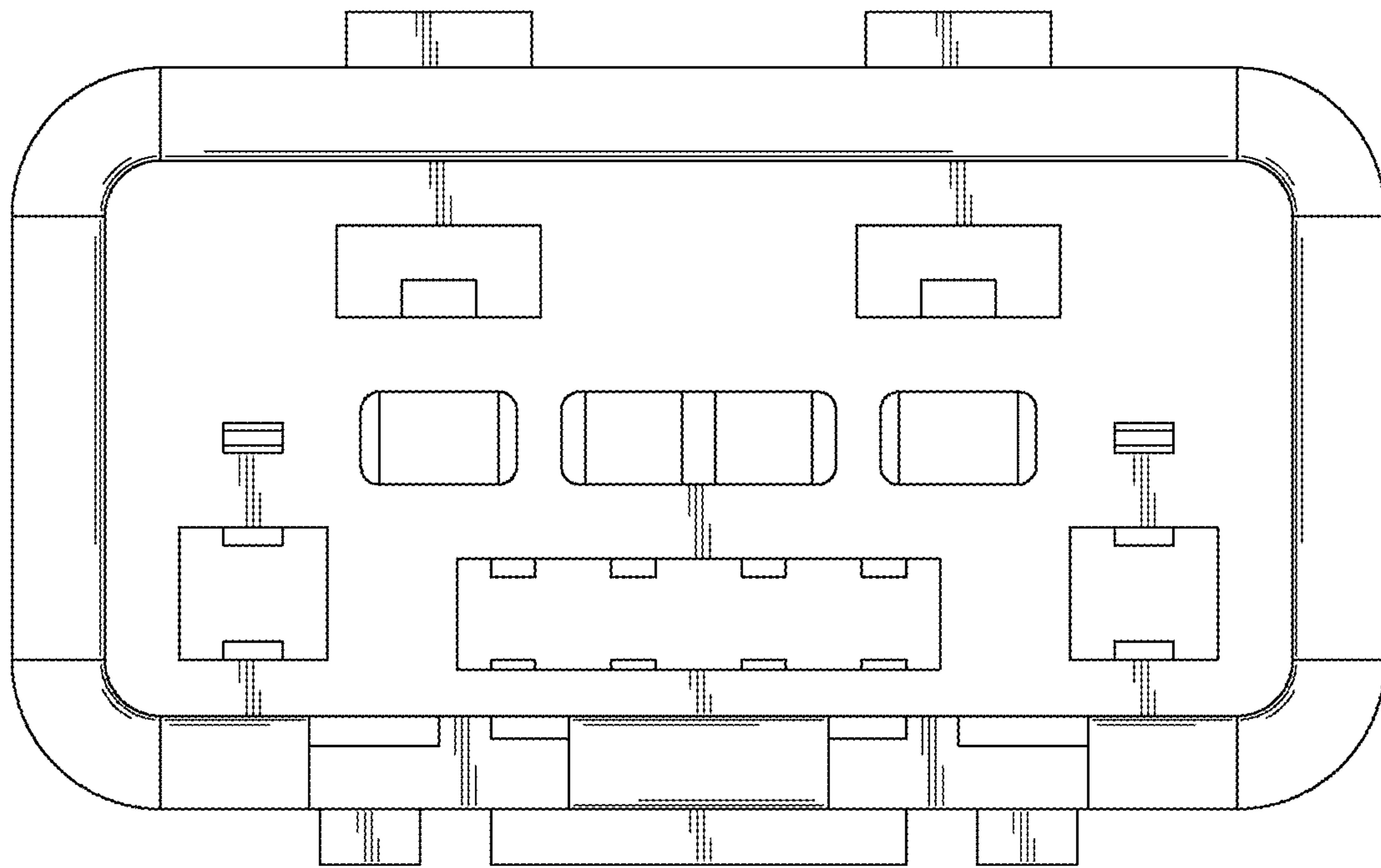


Fig.3

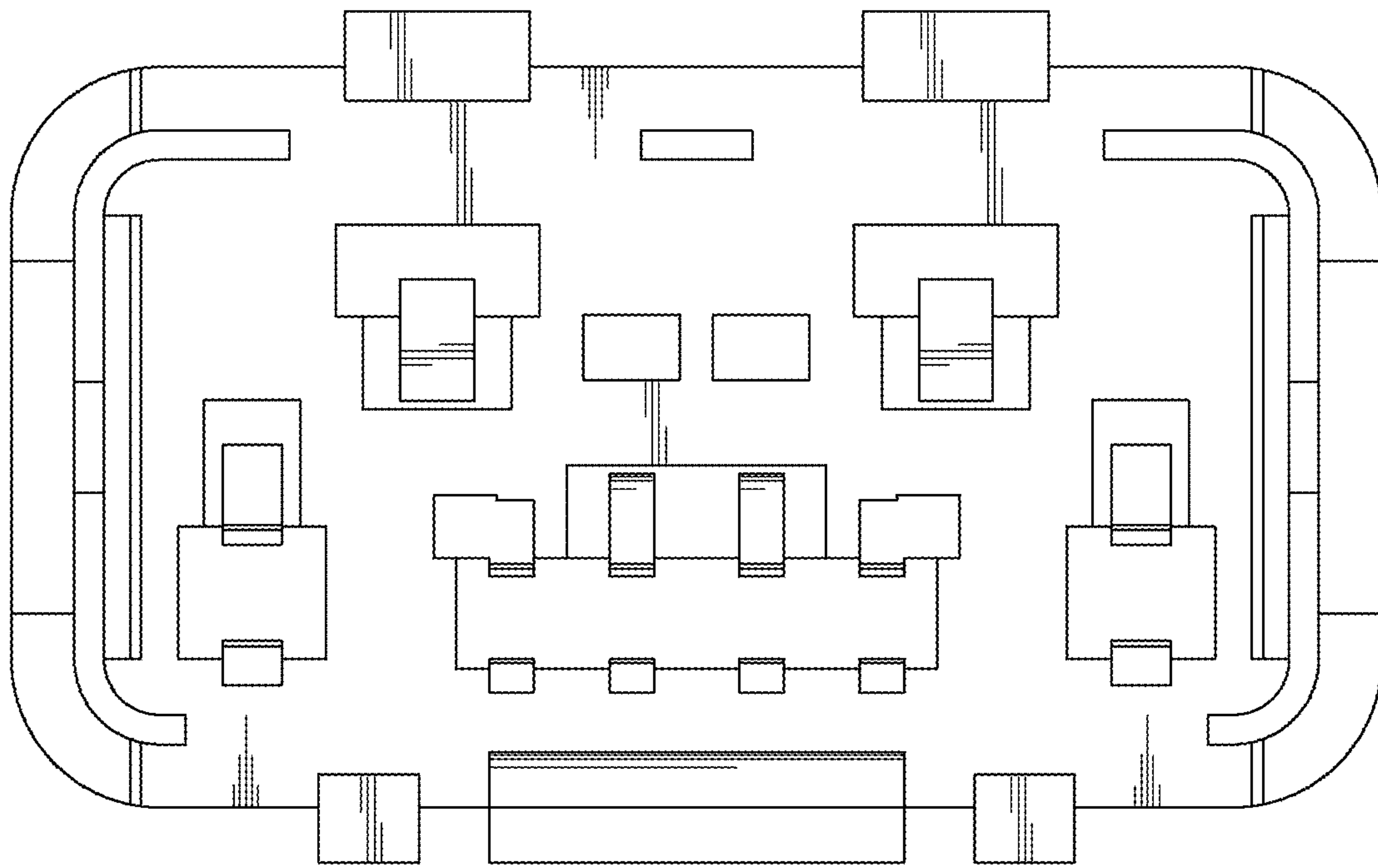
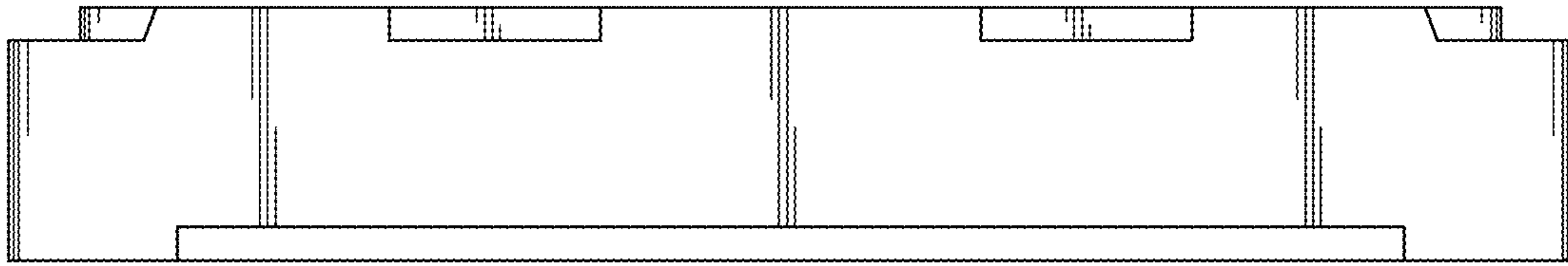
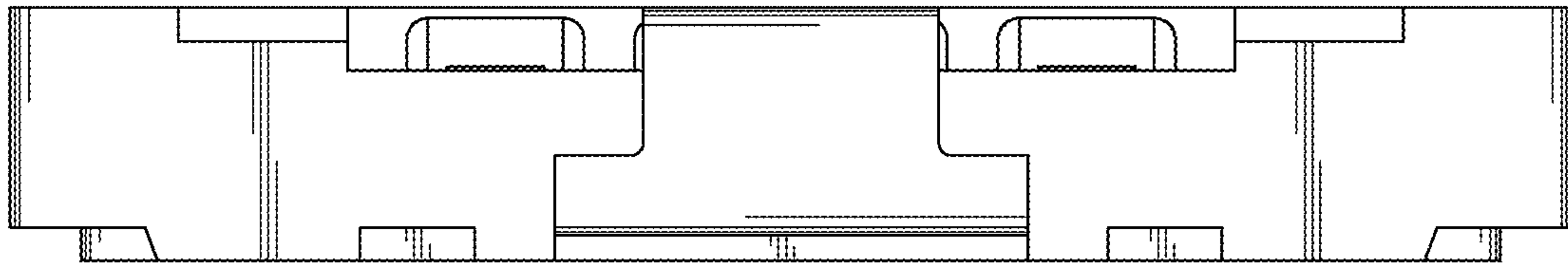


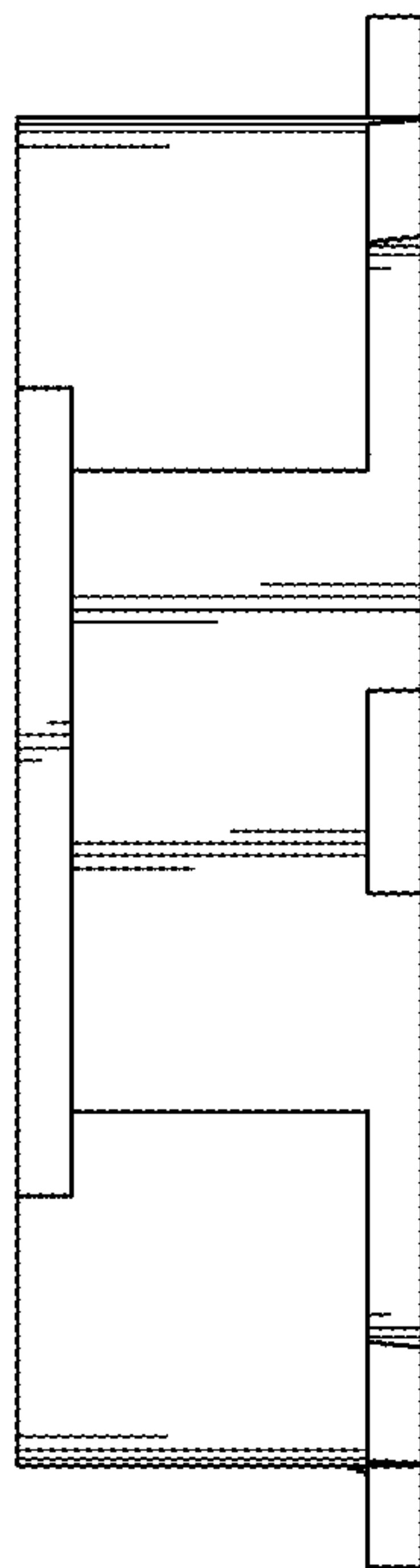
Fig.4



*Fig.5*



*Fig.6*



*Fig.7*