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(12) **United States Design Patent** (10) **Patent No.:** **US D901,401 S**  
**Mueller et al.** (45) **Date of Patent:** **\*\* Nov. 10, 2020**

(54) **ELECTRICAL CONNECTOR**

(56) **References Cited**

(71) Applicant: **Phoenix Contact GmbH & Co. KG**,  
Blomberg (DE)

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(Continued)

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(57) **CLAIM**

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

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

**DESCRIPTION**

(21) Appl. No.: **29/723,638**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

(22) Filed: **Feb. 10, 2020**

FIG. 1 is a top left front perspective view of a first embodiment of the electrical connector showing our new design;

**Related U.S. Application Data**

(62) Division of application No. 29/616,375, filed on Sep. 6, 2017.

FIG. 2 is a top plan view thereof;

FIG. 3 is a left side elevational view thereof;

FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a right side elevational view thereof; and

FIG. 8 is a top left front perspective view of a second embodiment of the electrical connector showing our new design;

FIG. 9 is a top plan view thereof;

FIG. 10 is a left side elevational view thereof;

FIG. 11 is a front elevational view thereof;

FIG. 12 is a rear elevational view thereof;

FIG. 13 is a bottom plan view thereof;

FIG. 14 is a right side elevational view thereof; and

FIG. 15 is a top left front perspective view of a third embodiment of the electrical connector showing our new design;

FIG. 16 is a top plan view thereof

FIG. 17 is a left side elevational view thereof;

**Foreign Application Priority Data**

Mar. 7, 2017 (DE) ..... 40 2017 100 283

(51) **LOC (12) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/159**

(58) **Field of Classification Search**  
USPC ..... D13/110, 112, 118, 123, 133, 154,  
D13/158-162.1, 169-171, 173, 175, 178,  
D13/184, 199

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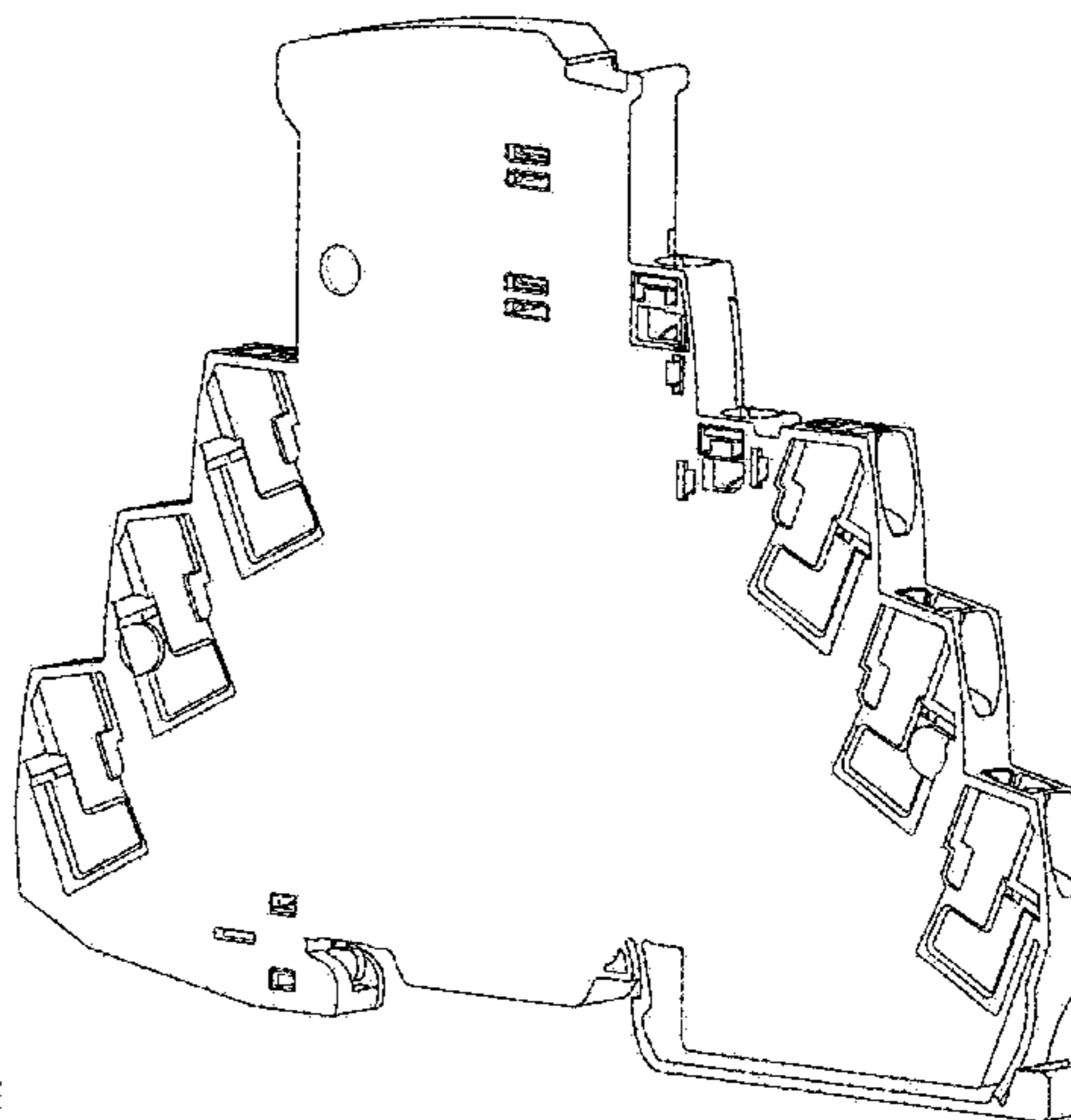
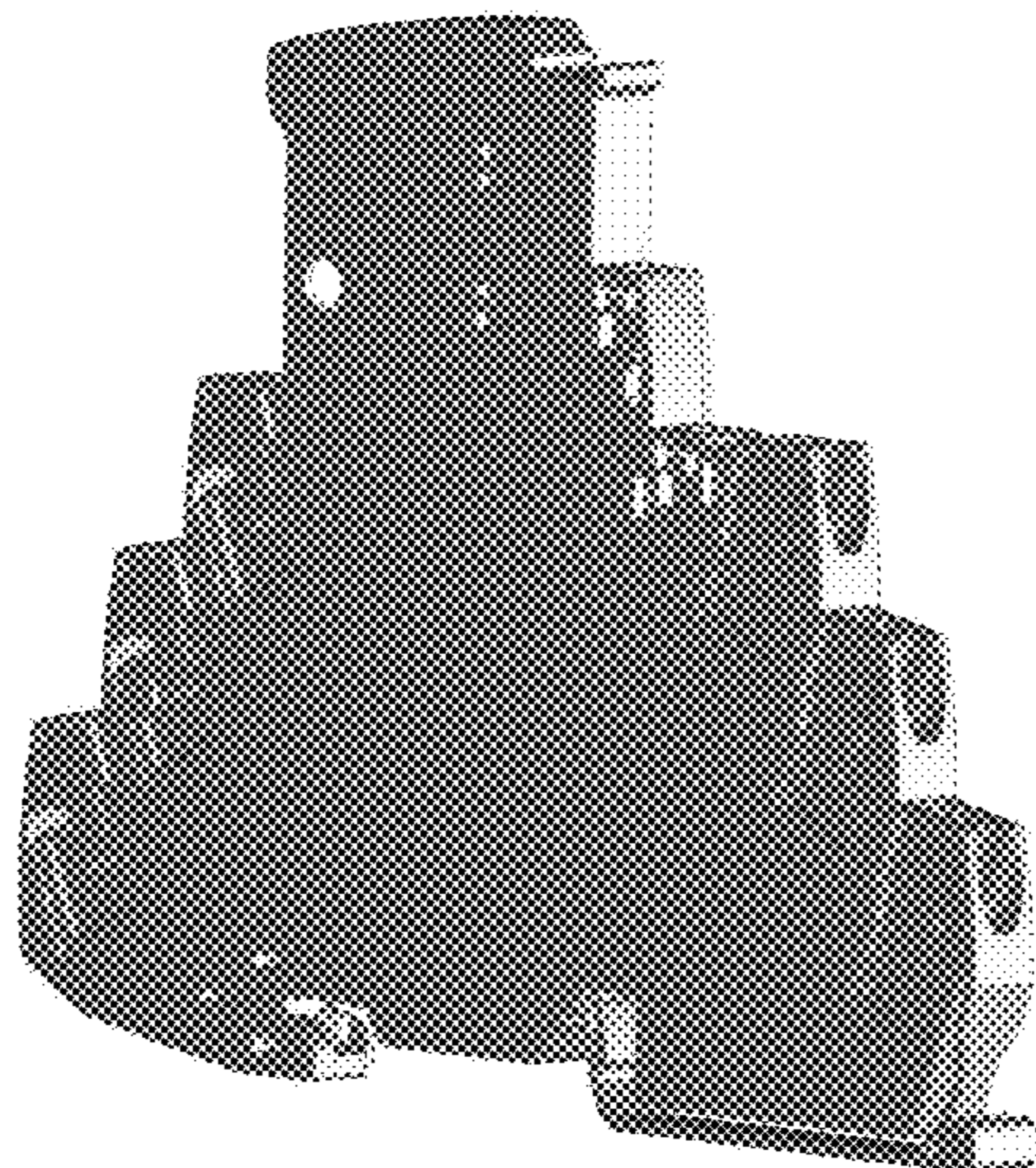


FIG. 18 is a front elevational view thereof;  
 FIG. 19 is a rear elevational view thereof;  
 FIG. 20 is a bottom plan view thereof; and,  
 FIG. 21 is a right side elevational view thereof.  
 The broken lines in the drawings illustrate portions of the electrical connector that form no part of the claimed design.

**1 Claim, 21 Drawing Sheets  
 (14 of 21 Drawing Sheet(s) Filed in Color)**

(58) **Field of Classification Search**

CPC .. H01H 9/00; H01H 9/02; H01H 9/20; H01H 9/26; H01H 33/06; H01H 33/66; H01H 33/662; H01H 33/666; H01H 35/36; H01H 71/10; H02B 11/133; H05K 7/14; G06F 13/00; H01R 4/24; H01R 4/28; H01R 4/48; H01R 9/22; H01R 9/24; H01R 9/26; H01R 12/00; H01R 13/20

See application file for complete search history.

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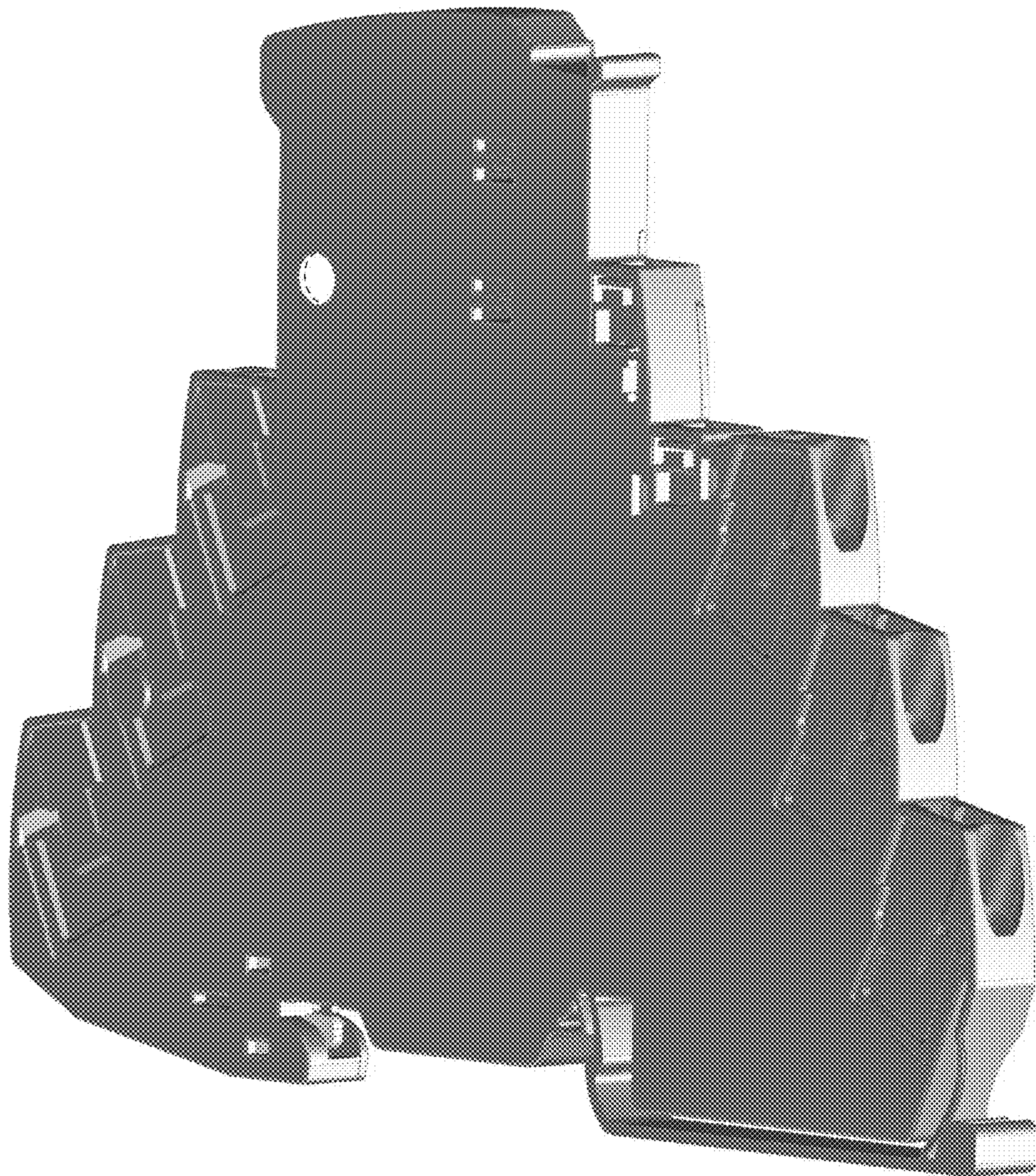


Fig. 1







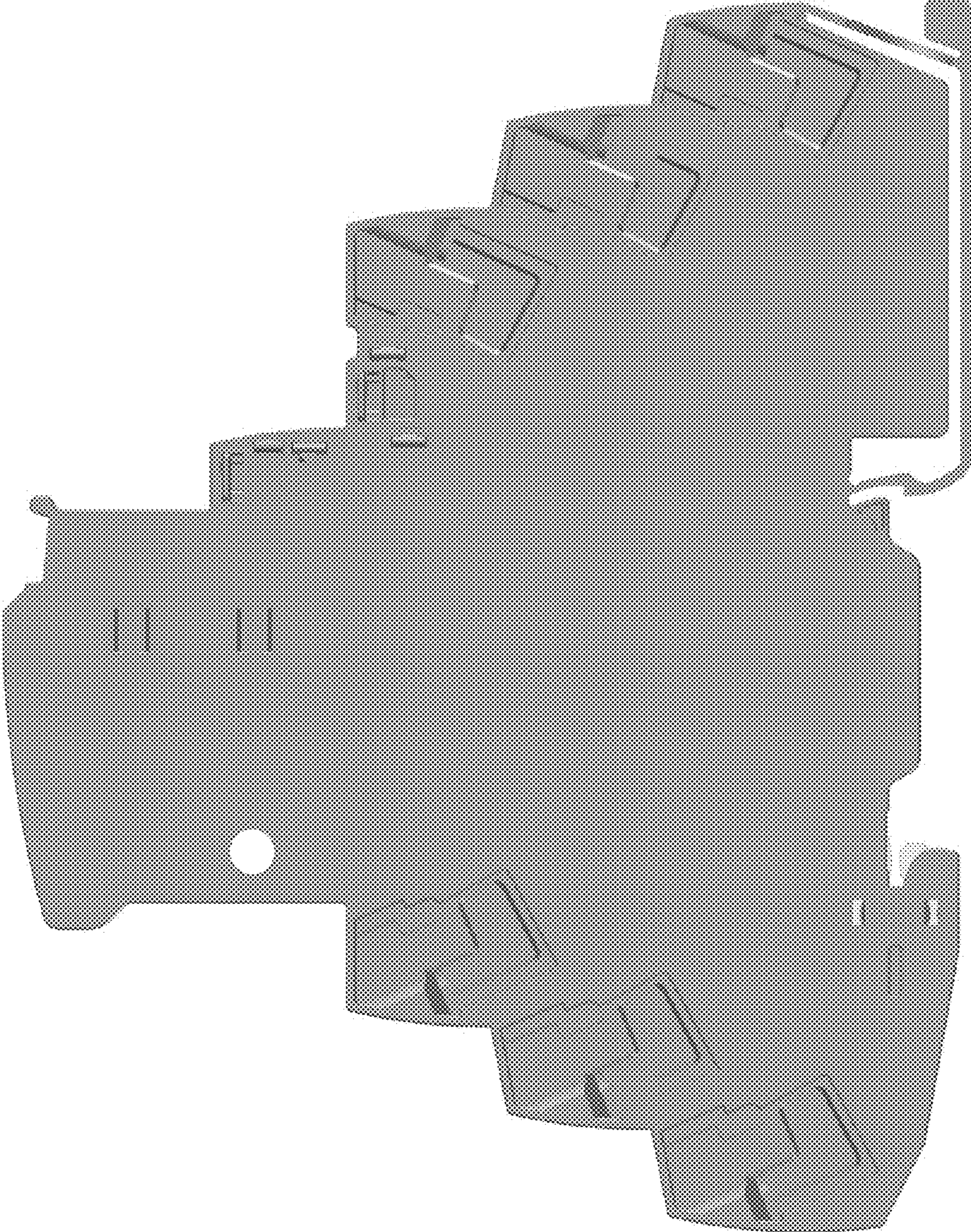


Fig. 3





Fig. 4



Fig. 5

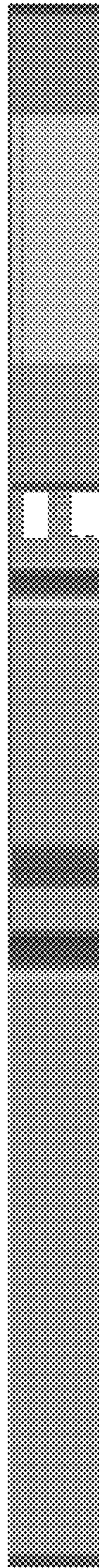


Fig. 6



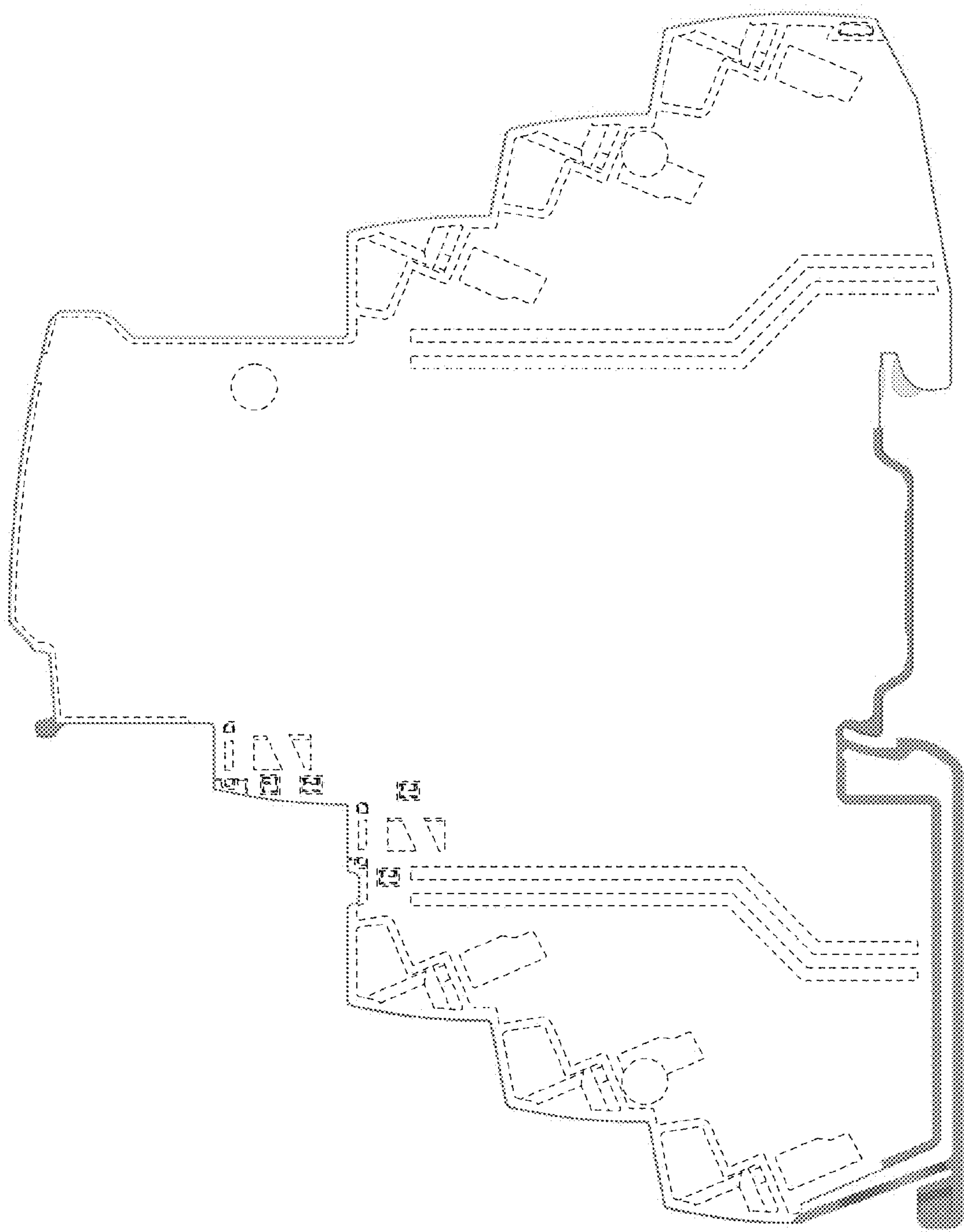


Fig. 7



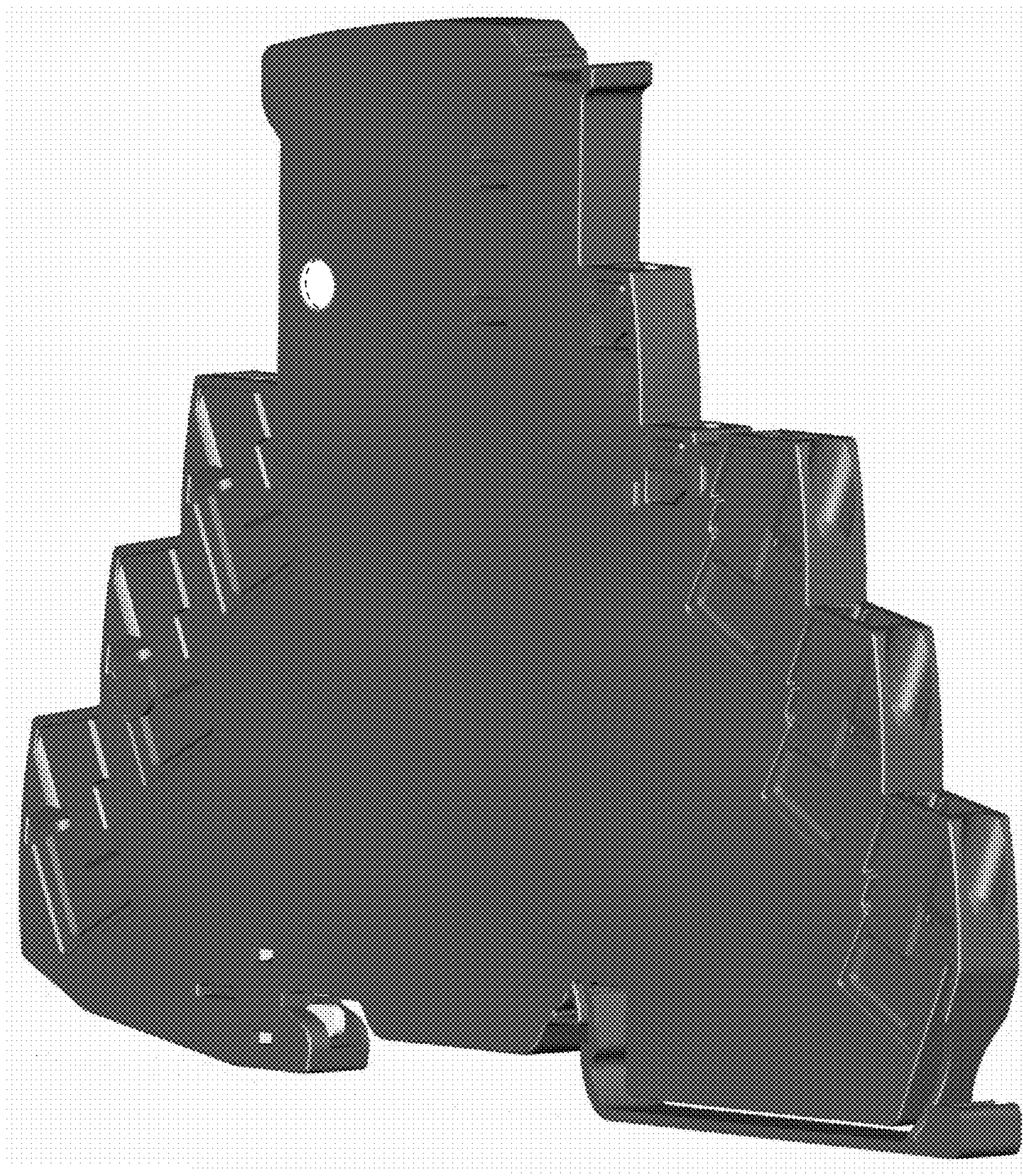


Fig. 8





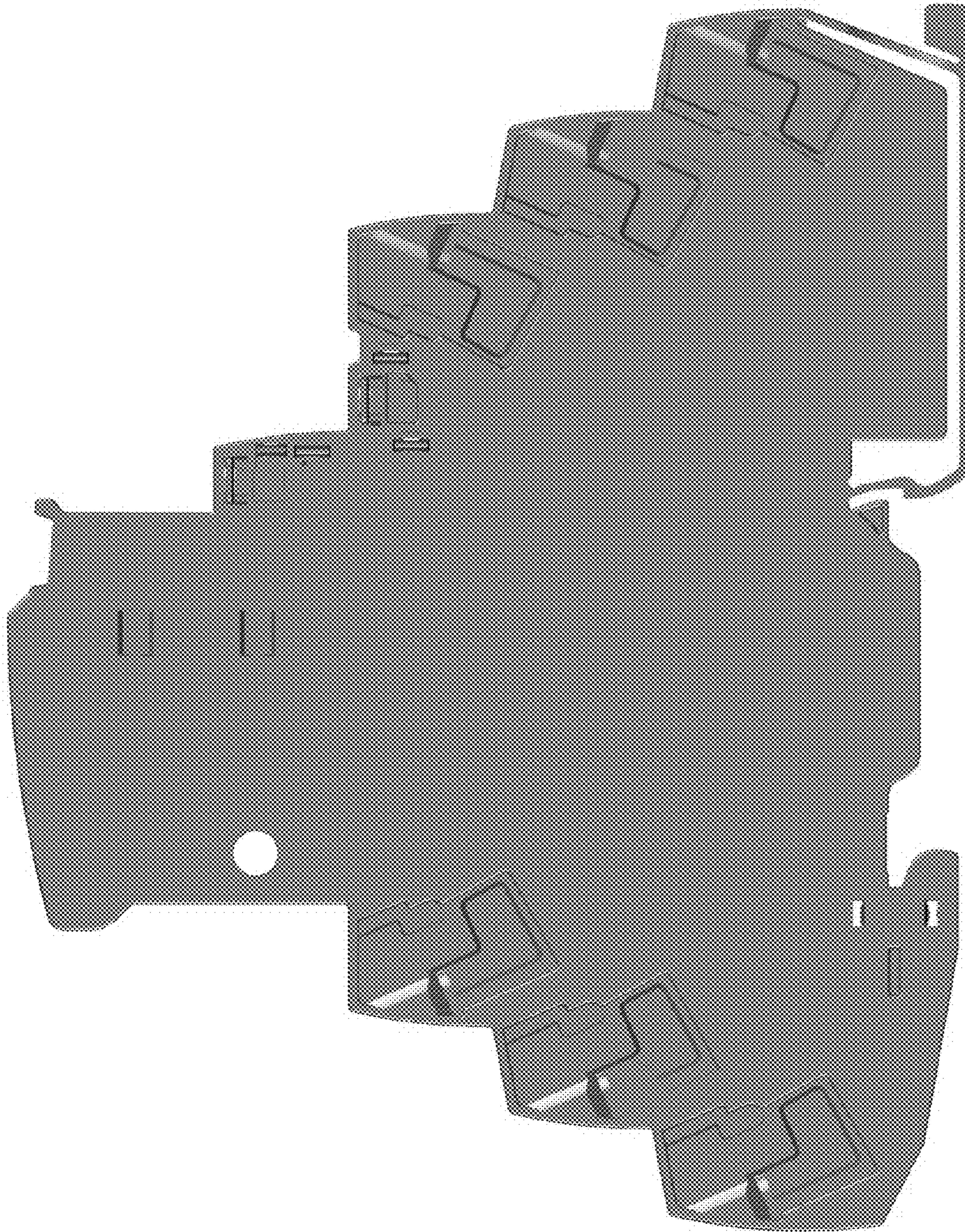


Fig. 10





Fig. 11



Fig. 12



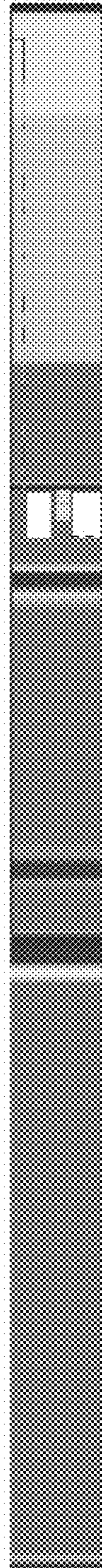


Fig. 13

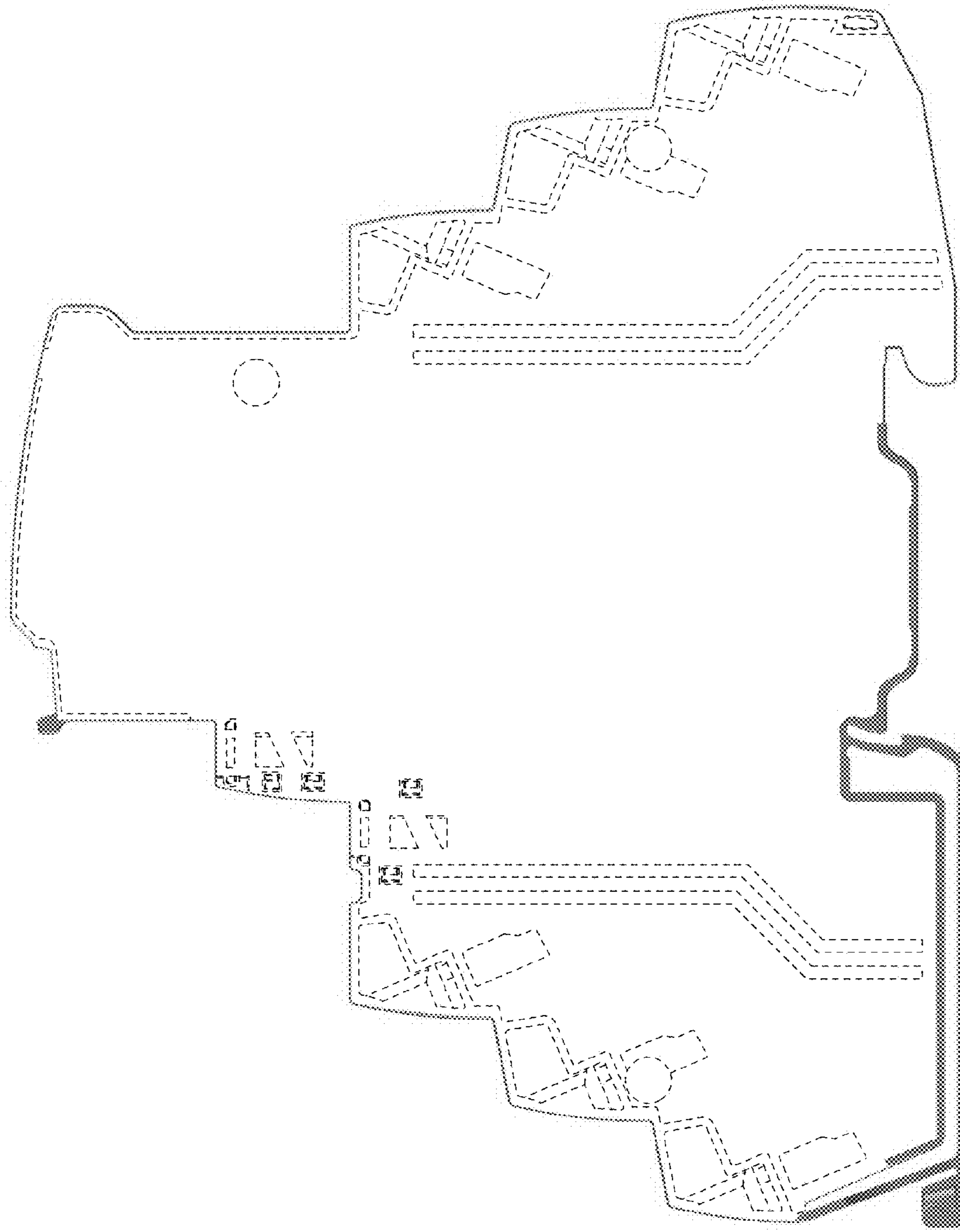


Fig. 14



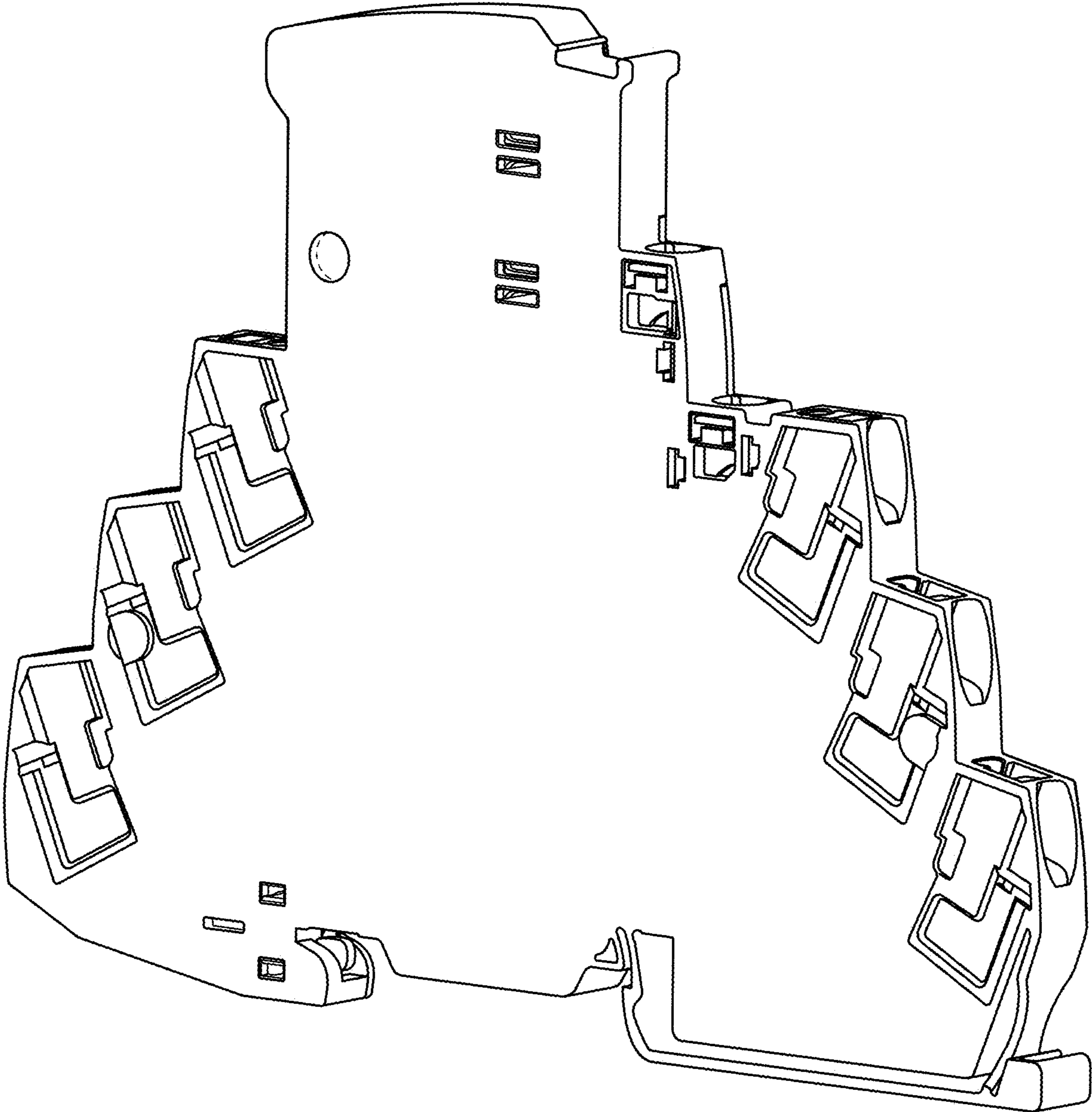


Fig. 15

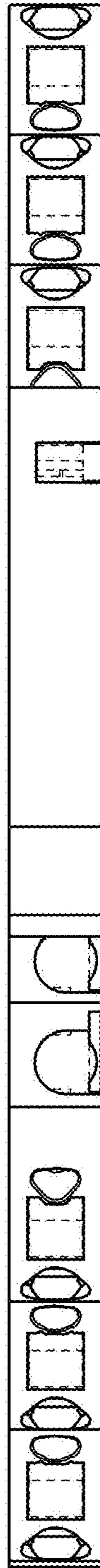


Fig. 16



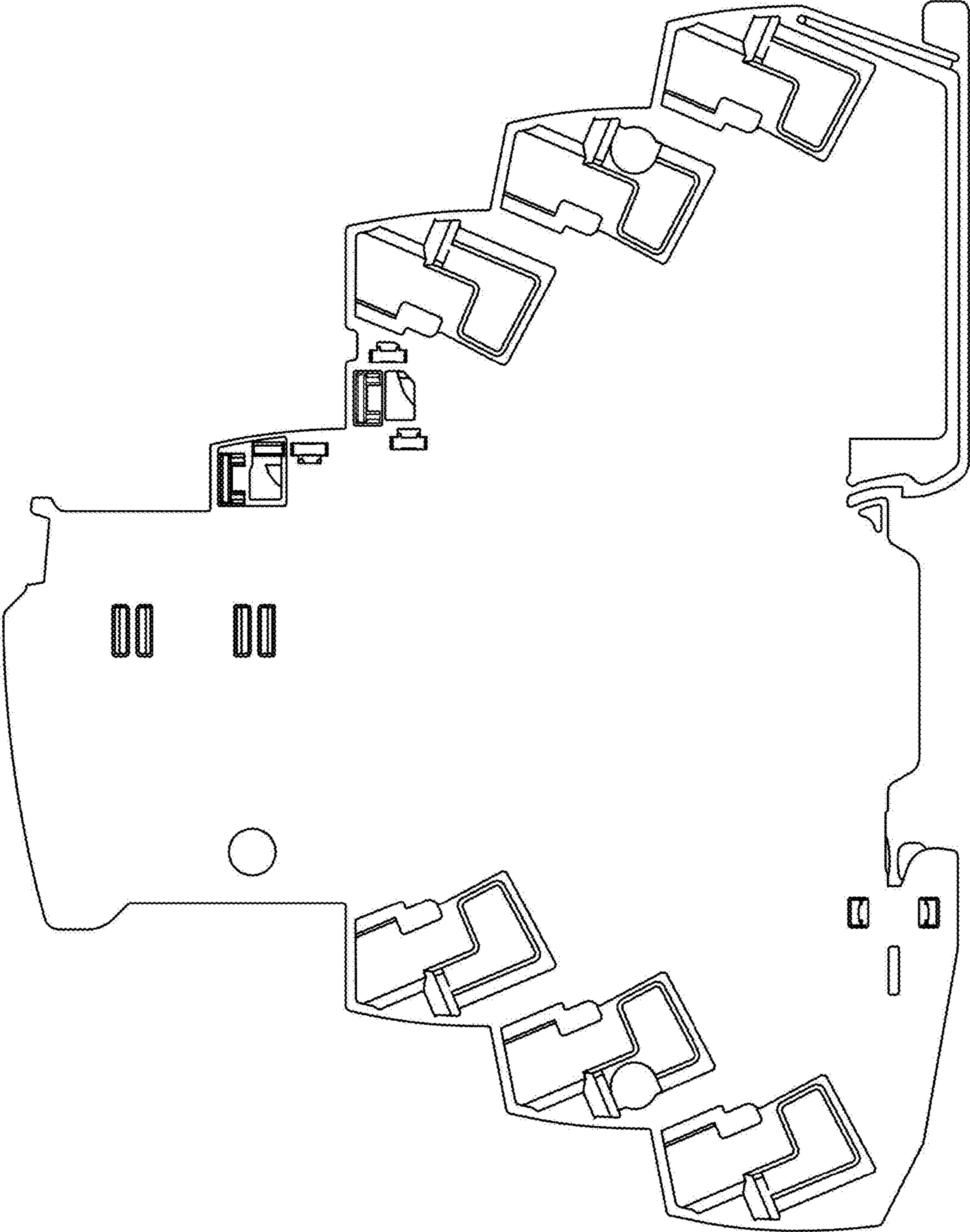


Fig. 17

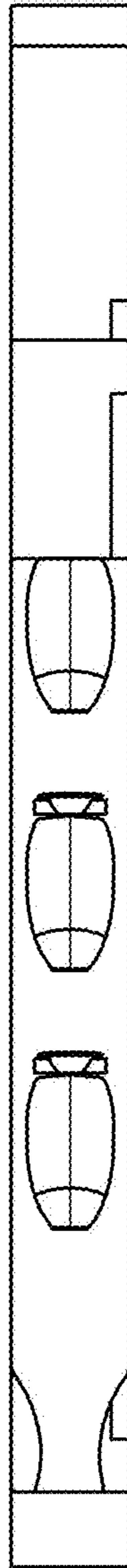


Fig. 18



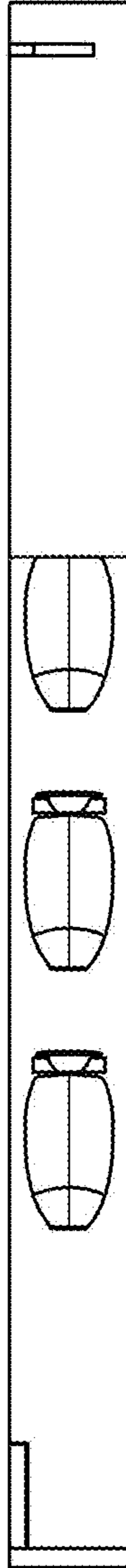


Fig. 19

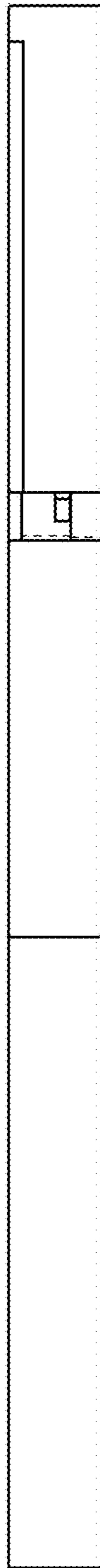


Fig. 20



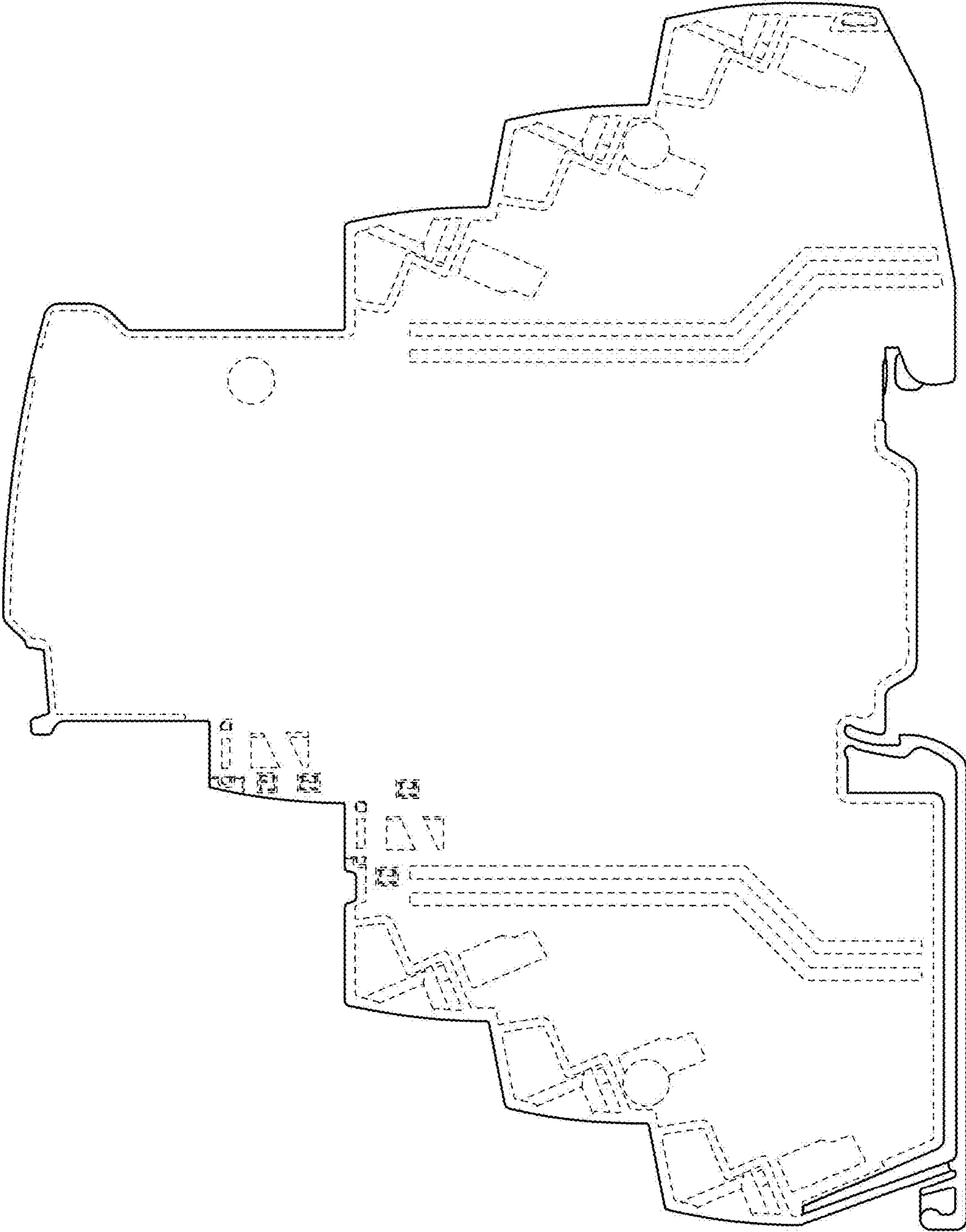


Fig. 21