



US00D718248S

(12) **United States Design Patent**
Harper, Jr.

(10) **Patent No.:** **US D718,248 S**

(45) **Date of Patent:** **** Nov. 25, 2014**

(54) **VERTICAL ELECTRICAL CONNECTOR**

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(73) Assignee: **FCI Americas Technology LLC**,
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(**) Term: **14 Years**

(21) Appl. No.: **29/439,437**

(22) Filed: **Dec. 11, 2012**

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/147**

(58) **Field of Classification Search**
USPC D13/146, 147, 149, 154, 184, 199;
439/74, 108, 180, 252, 258, 246, 278,
439/374, 378, 379, 381, 527, 529, 533, 660,
439/717, 865-894, 953; 174/16.3; 257/697,
257/727; 361/769

See application file for complete search history.

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Primary Examiner — Daniel Bui

(74) *Attorney, Agent, or Firm* — Baker & Hostetler LLP

(57) **CLAIM**

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

DESCRIPTION

This is related by subject matter to U.S. patent application Ser. No. 29/420,039 filed May 3, 2012, and is also related by subject matter to U.S. patent application Ser. No. 29/439,445, filed Dec. 11, 2012 entitled "Vertical Electrical Connector", and U.S. patent application Ser. No. 29/439,453 filed Dec. 11, 2012 entitled "Vertical Electrical Connector".

FIG. 1 is a top, right, front perspective view of the first embodiment of a vertical electrical connector showing my new design;

FIG. 2 is another top, right, front perspective view of thereof;

FIG. 3 is a bottom, left, front perspective view thereof;

FIG. 4 is a top, right, rear perspective view thereof;

FIG. 5 is a bottom, left, rear perspective view thereof;

FIG. 6 is a right side elevation view thereof;

FIG. 7 is a left side elevation view thereof;

FIG. 8 is a front elevation view thereof;

FIG. 9 is a rear elevation view thereof;

FIG. 10 is a bottom plan view thereof;

FIG. 11 is a top plan view thereof;

FIG. 12 is a top, right, front perspective view of the second embodiment of a vertical electrical connector showing my new design;

FIG. 13 is another top, right, front perspective view of thereof;

FIG. 14 is a bottom, left, front perspective view thereof;

FIG. 15 is a top, right, rear perspective view thereof;

FIG. 16 is a bottom, left, rear perspective view thereof;

FIG. 17 is a right side elevation view thereof;

FIG. 18 is a left side elevation view thereof;

FIG. 19 is a front elevation view thereof;

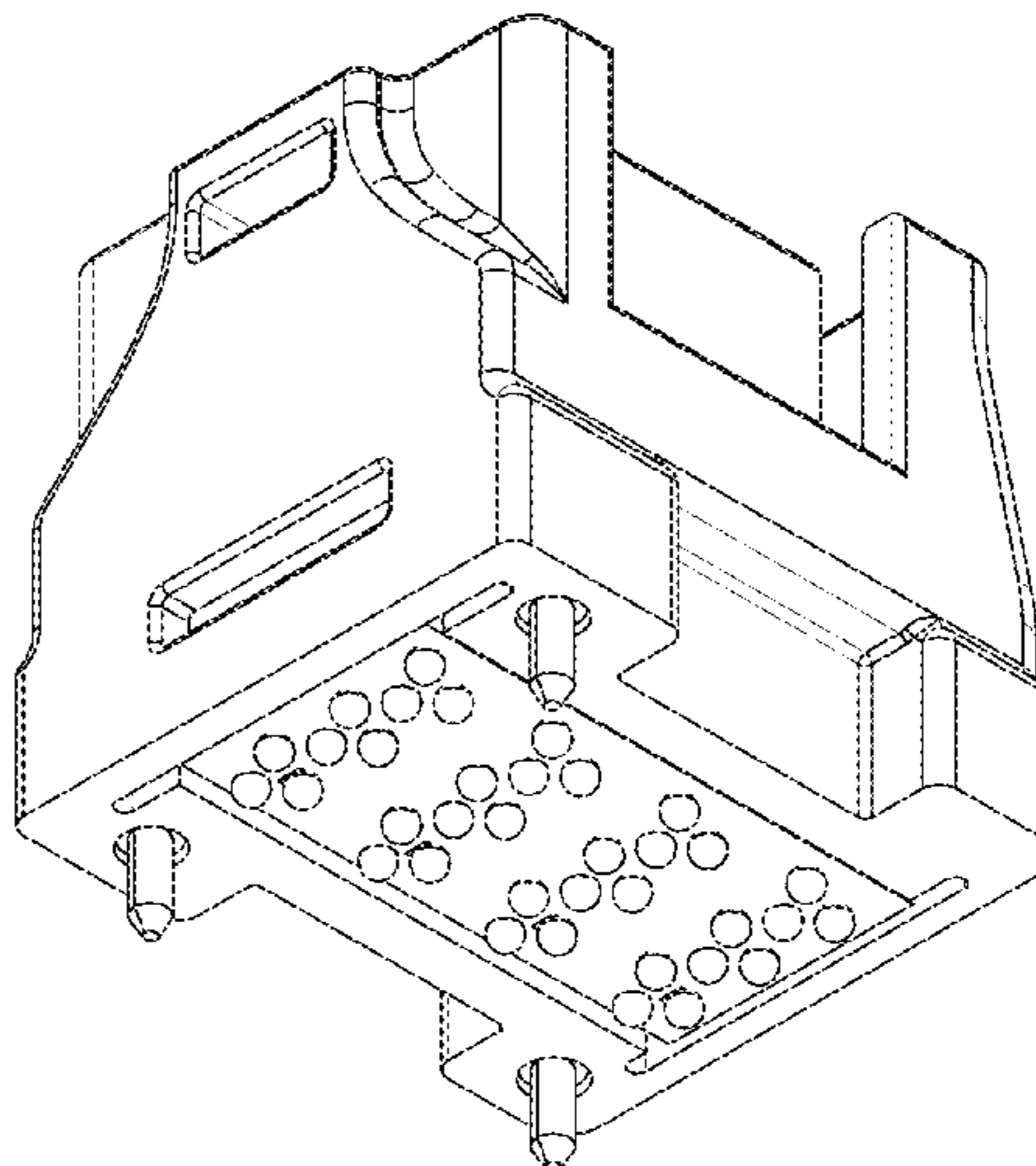
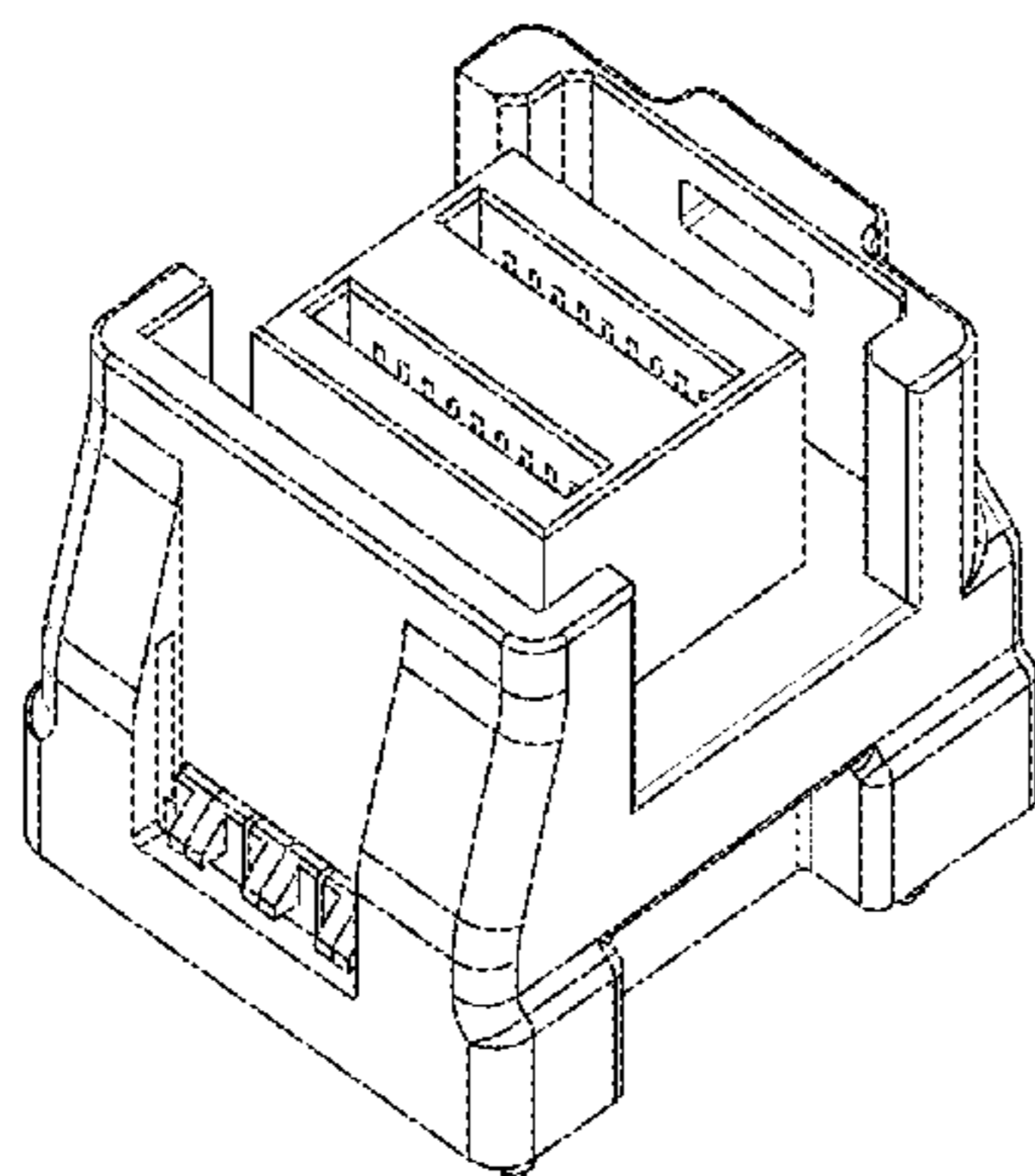
FIG. 20 is a rear elevation view thereof;

FIG. 21 is a bottom plan view thereof; and,

FIG. 22 is a top plan view thereof.

In a preferred embodiment, the nature of this product is an electrical component that can take the form of a vertical electrical connector and a connector housing therefor.

1 Claim, 12 Drawing Sheets



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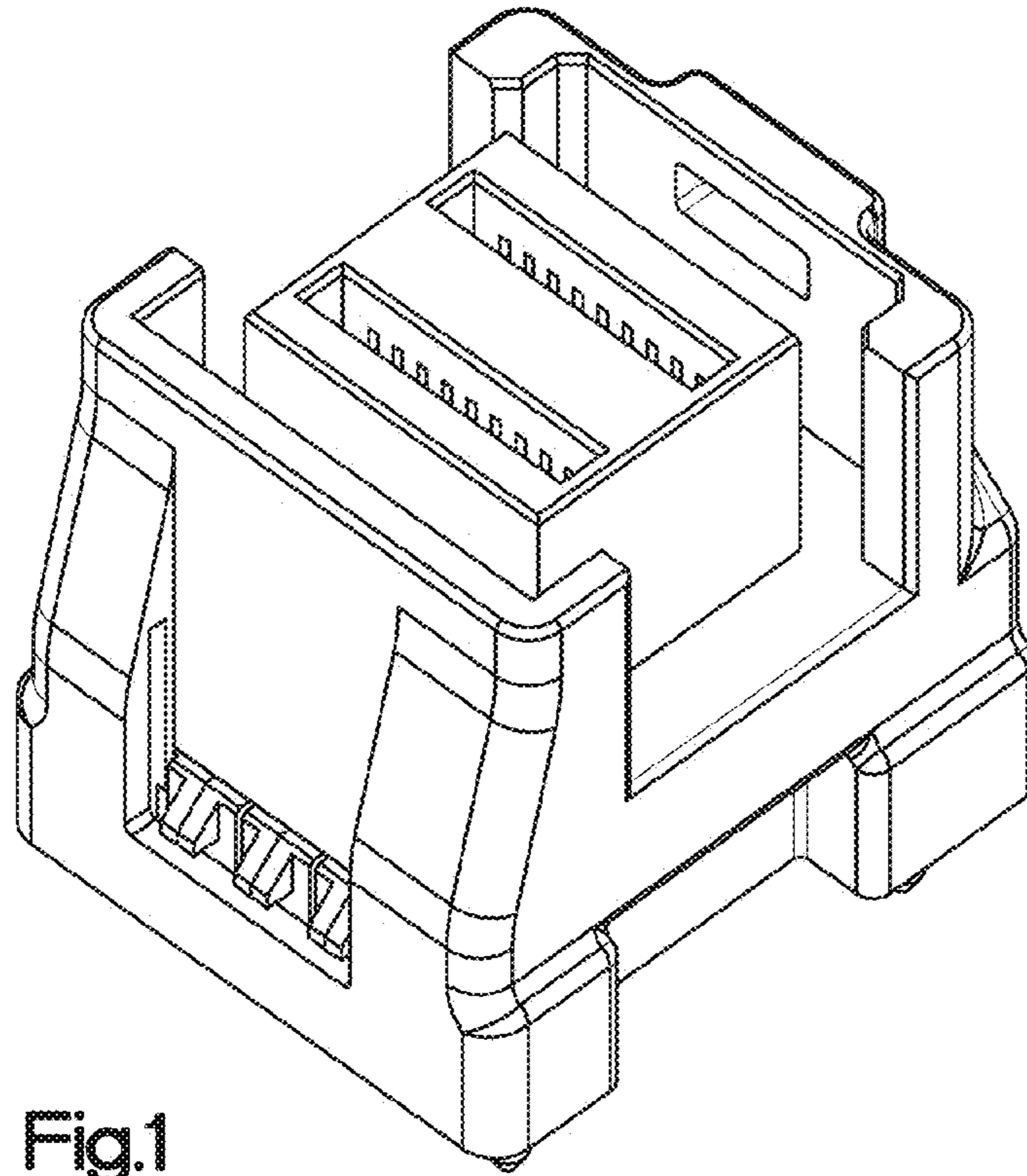


Fig.1

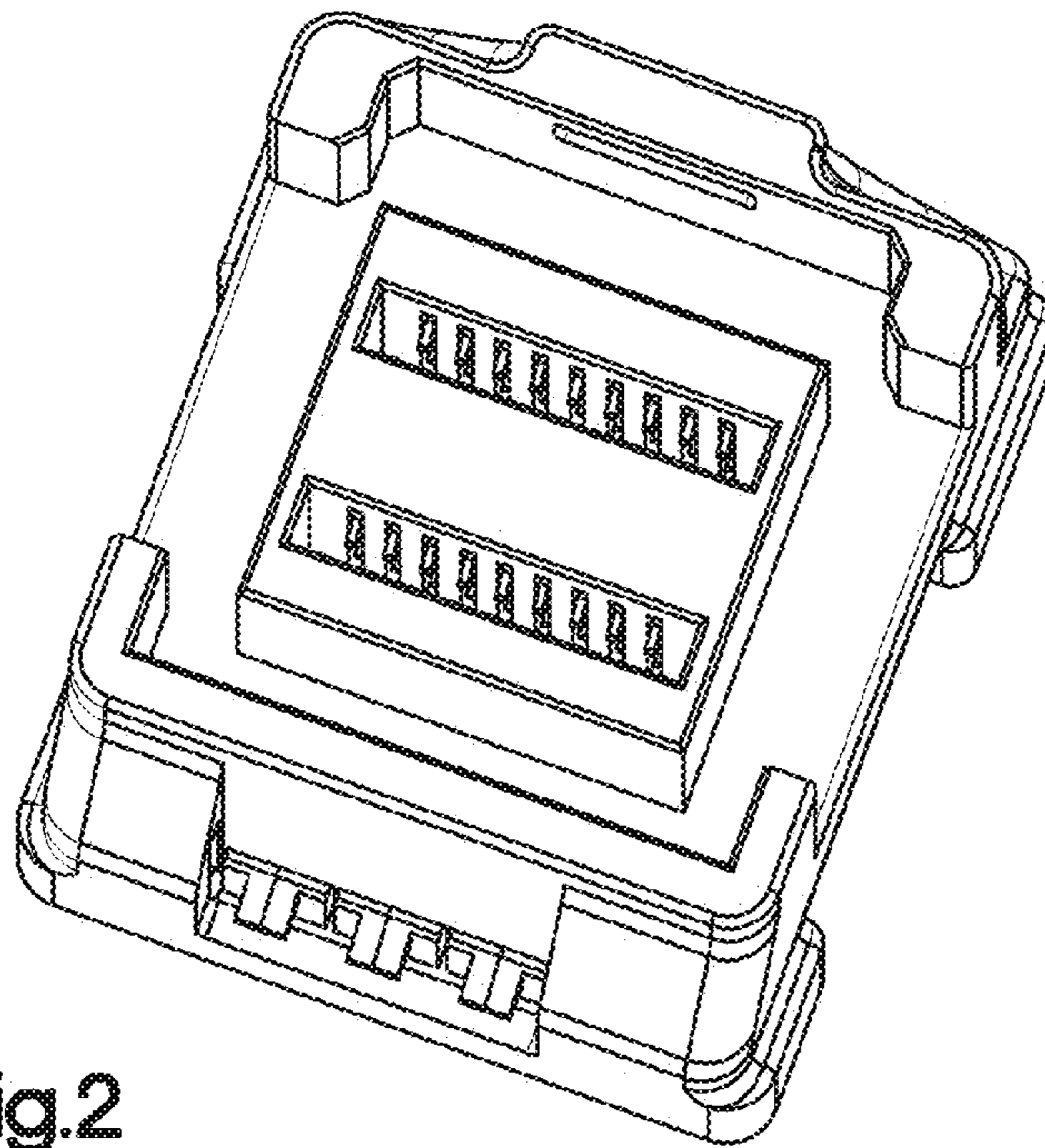


Fig.2

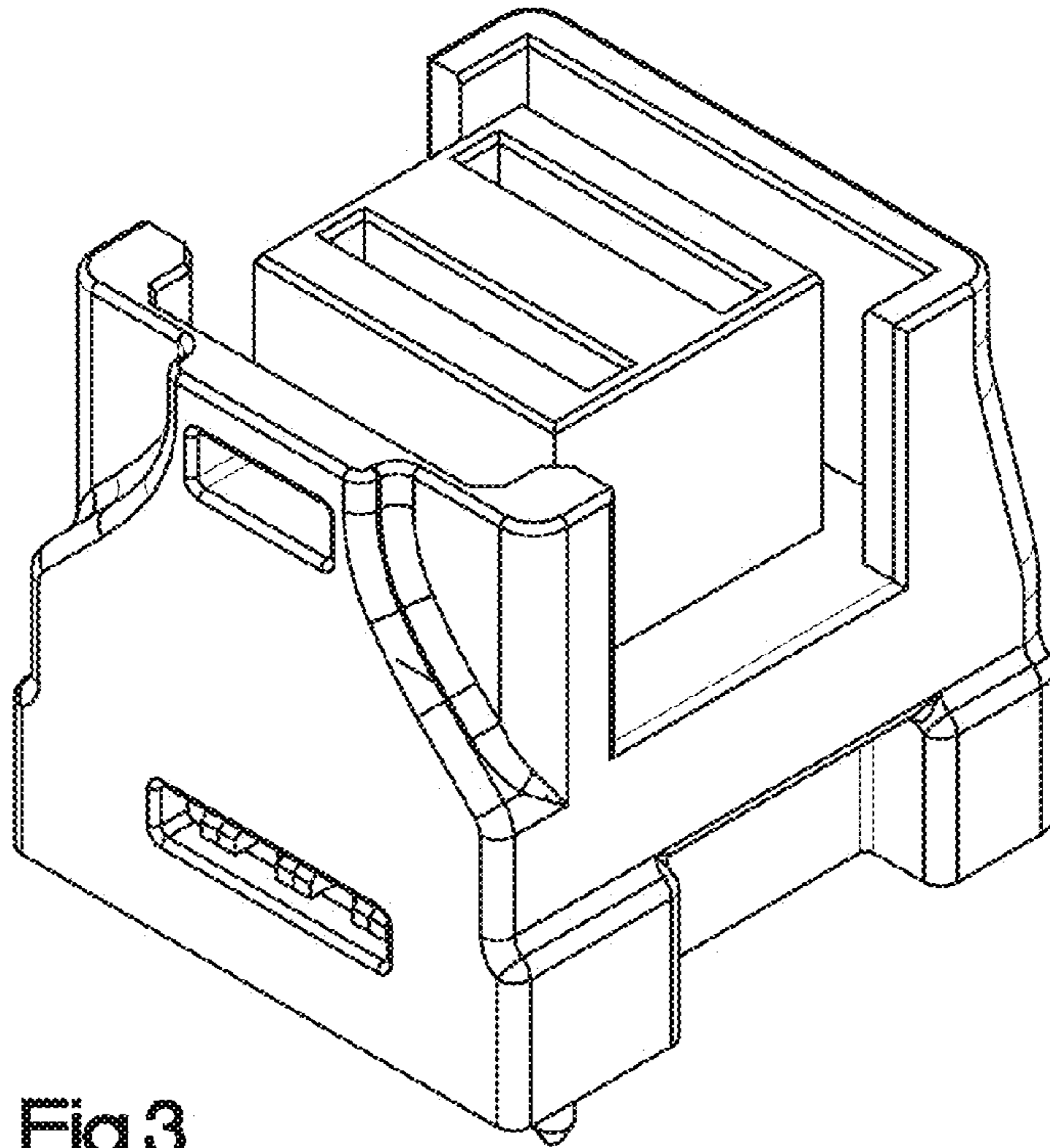


Fig.3

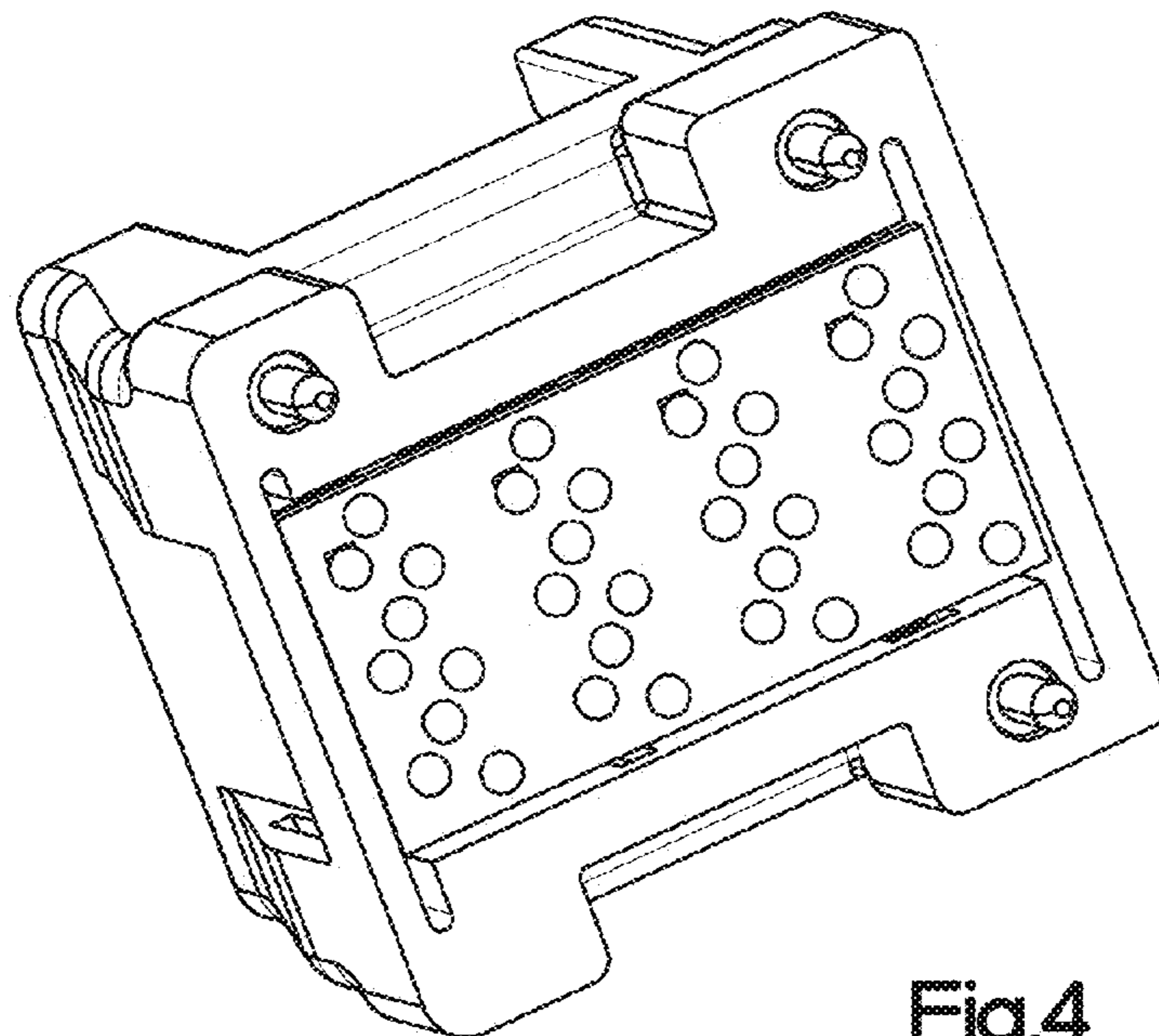


Fig.4

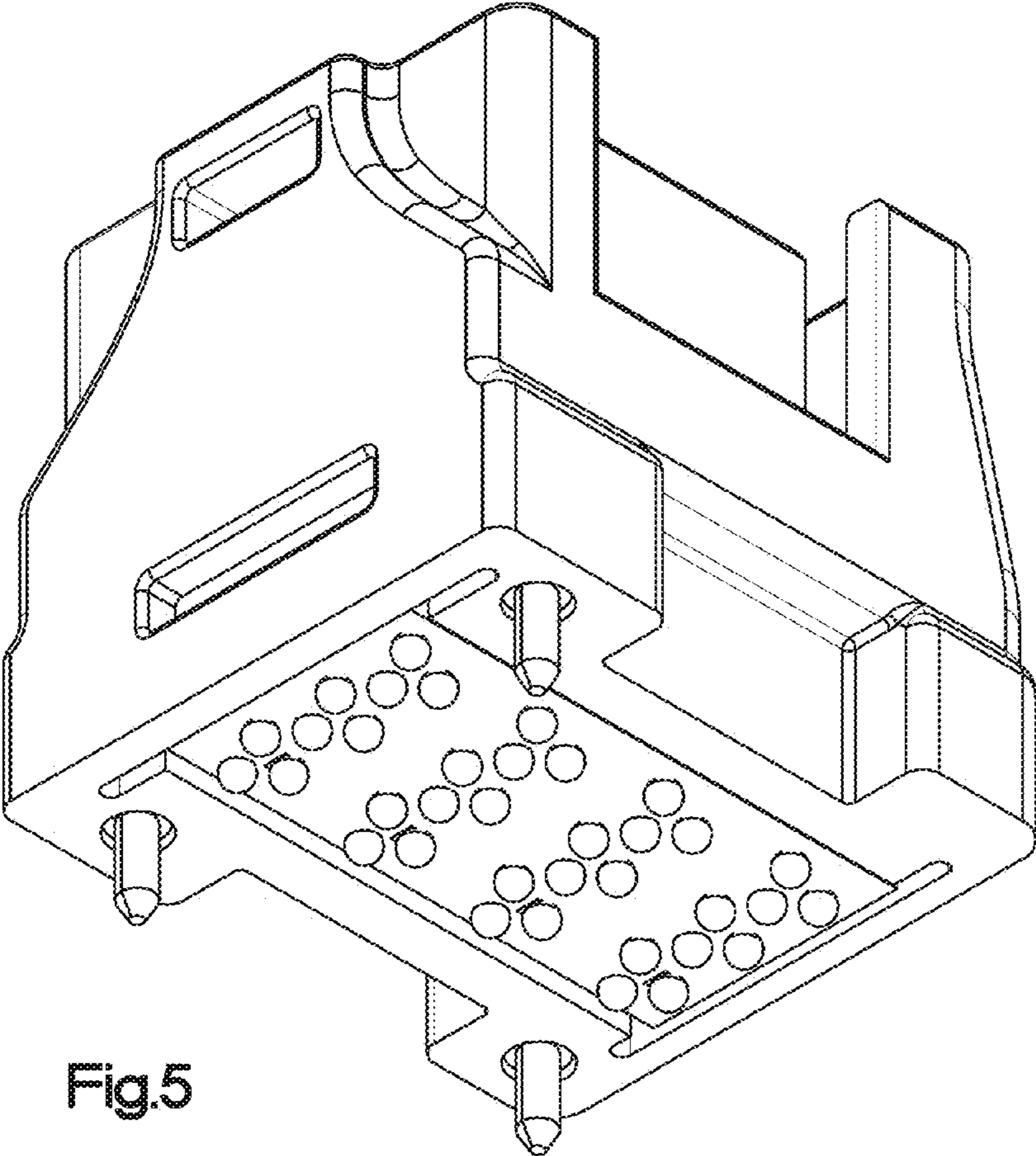


Fig.5

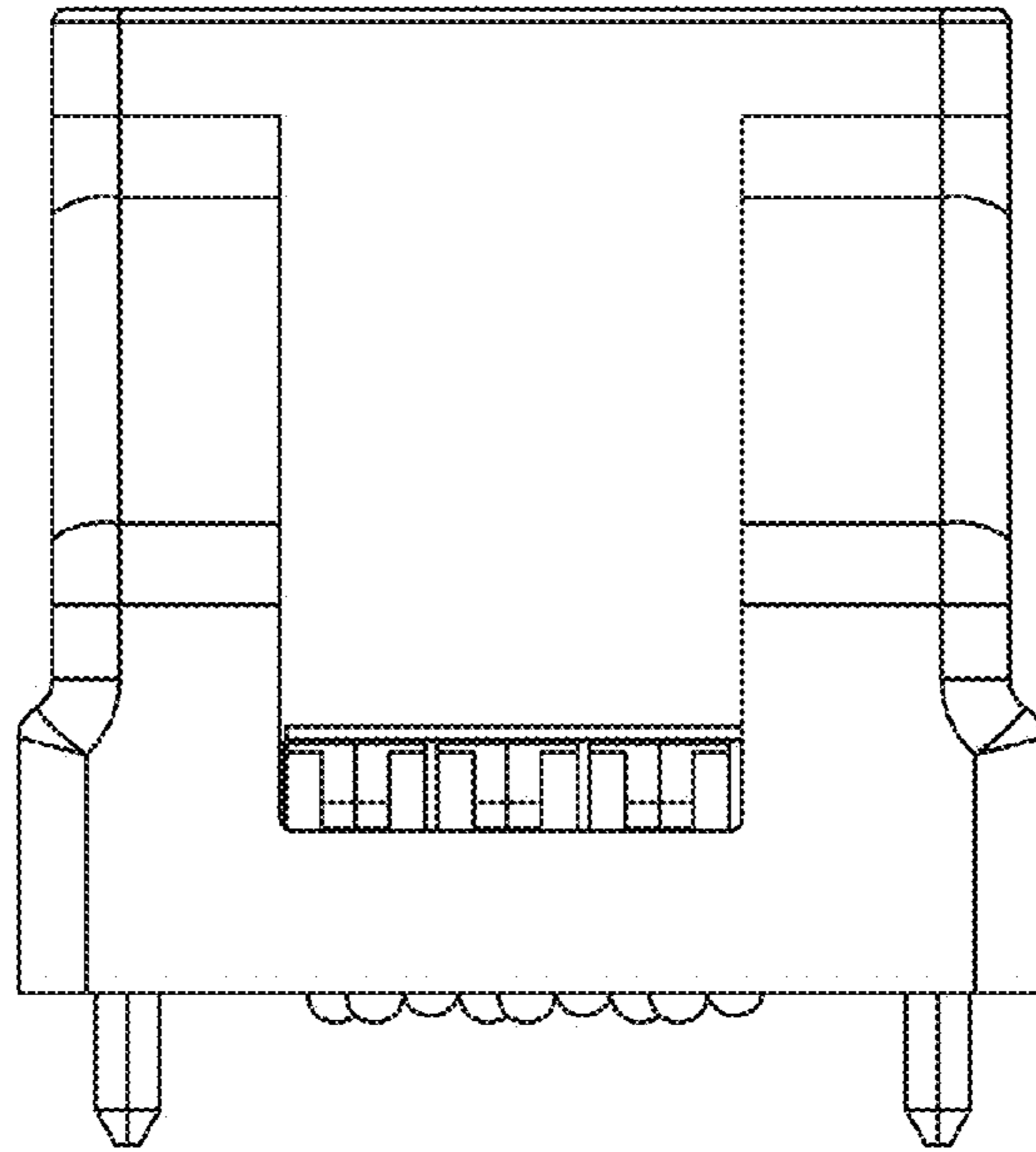


Fig.6

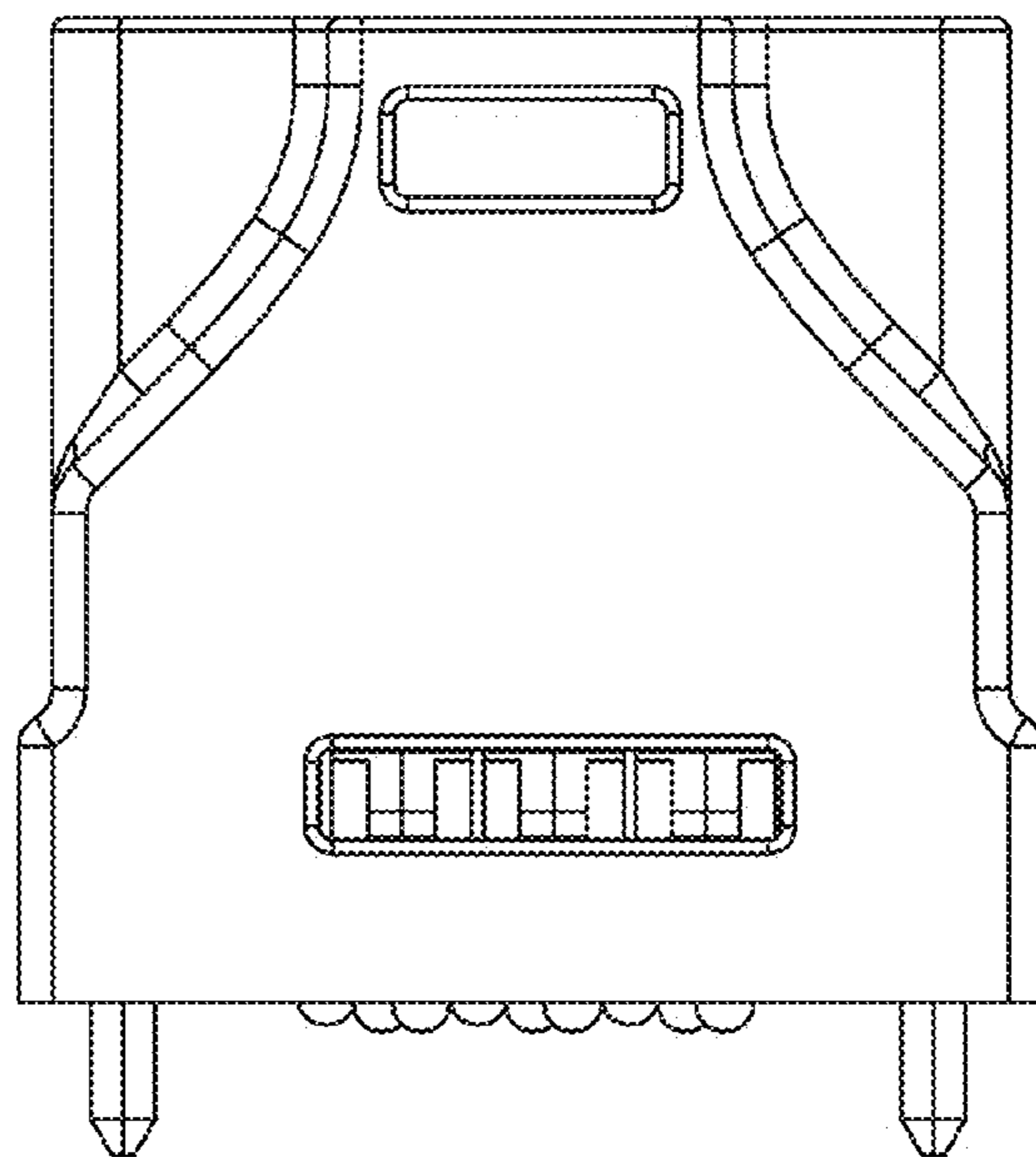


Fig.7

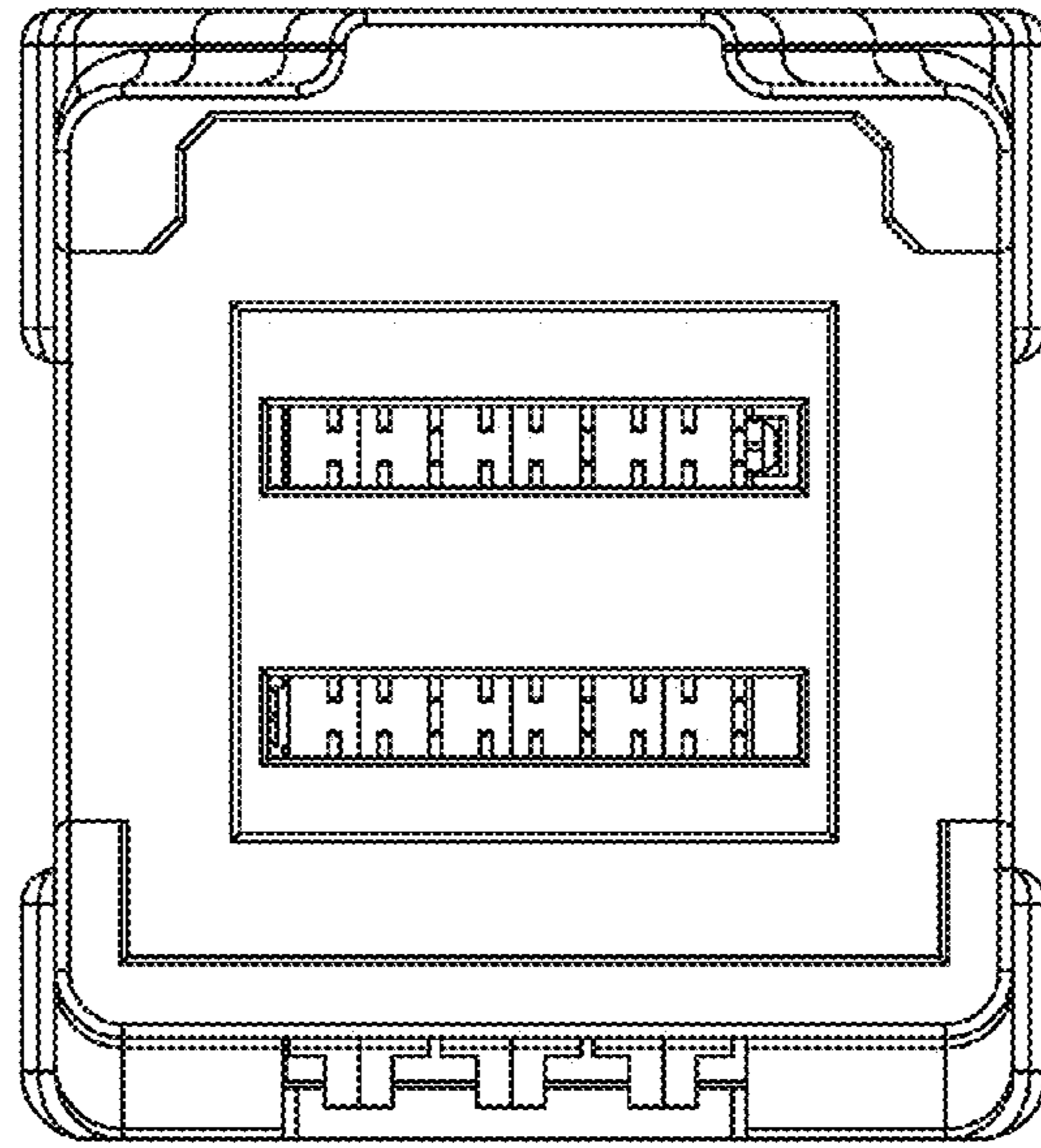


Fig.8

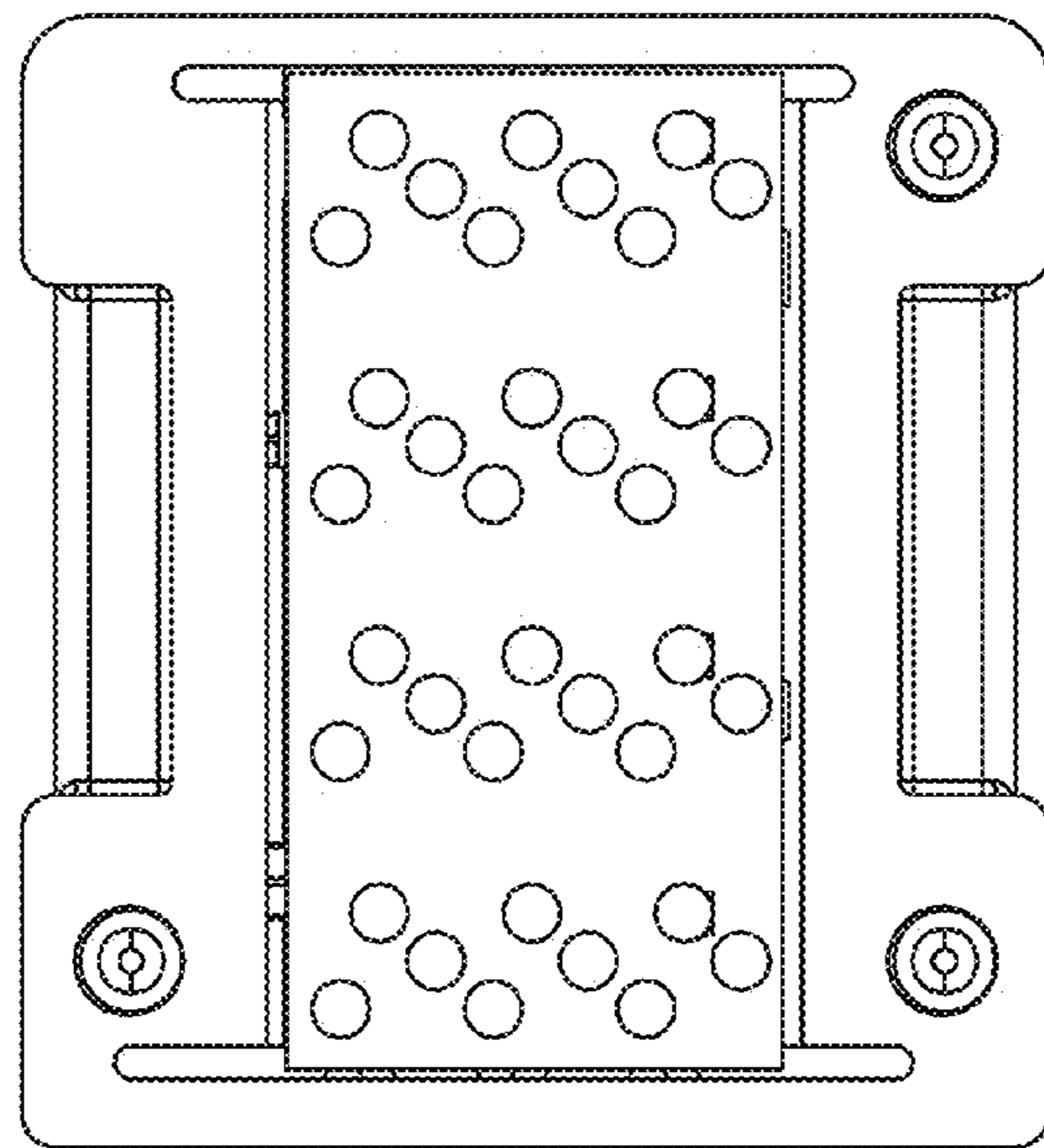


Fig.9

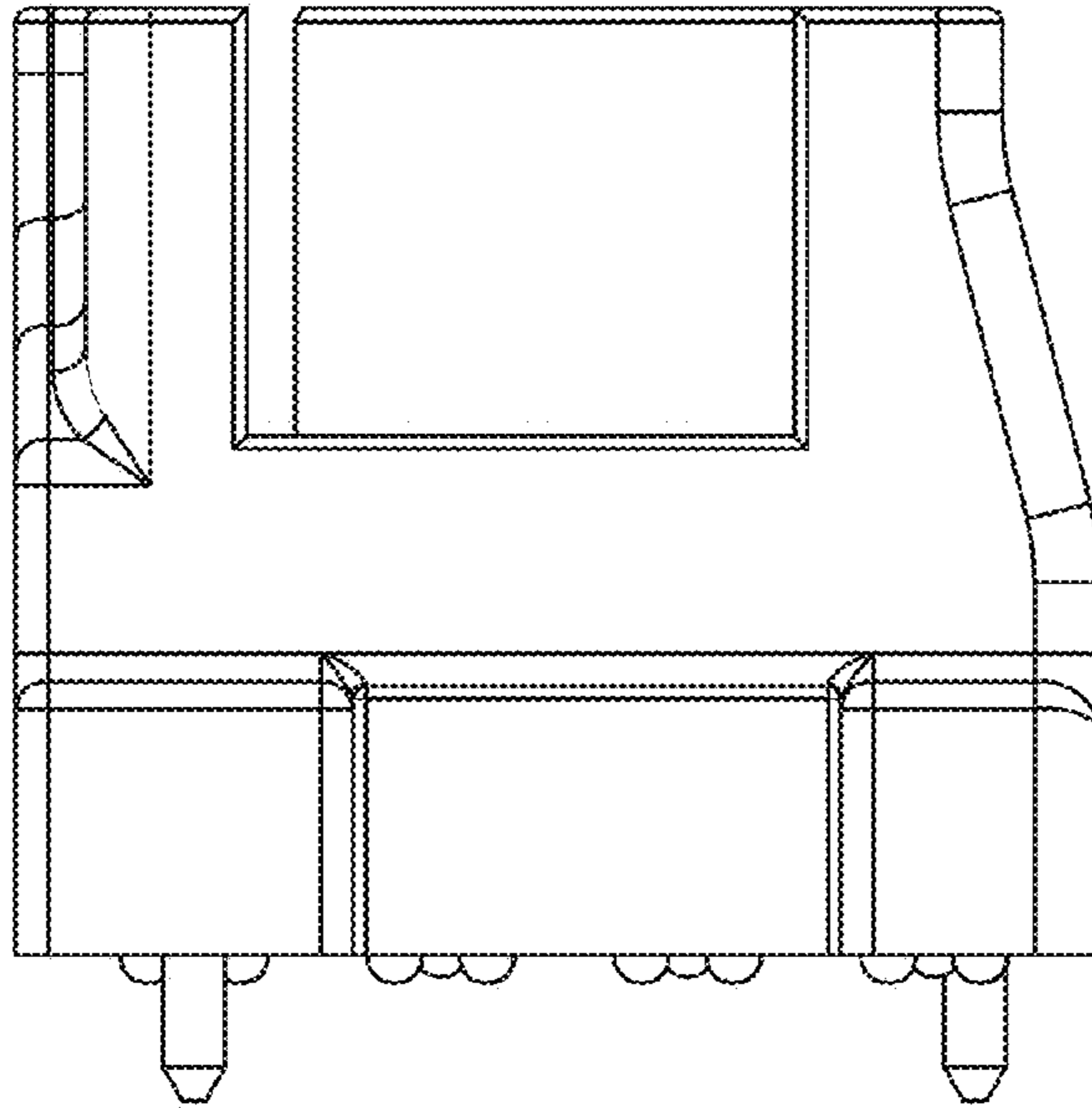


Fig.10

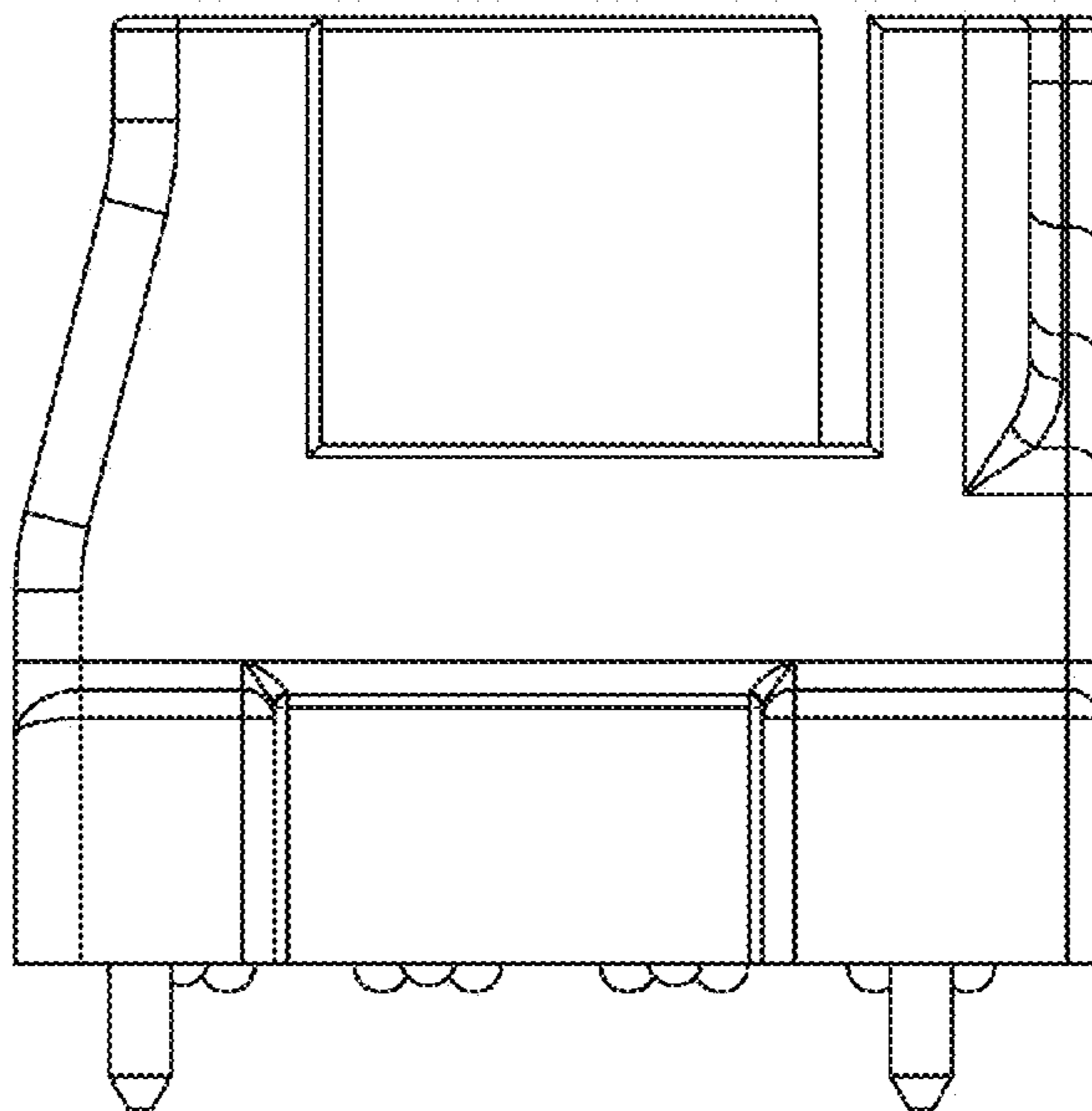


Fig.11

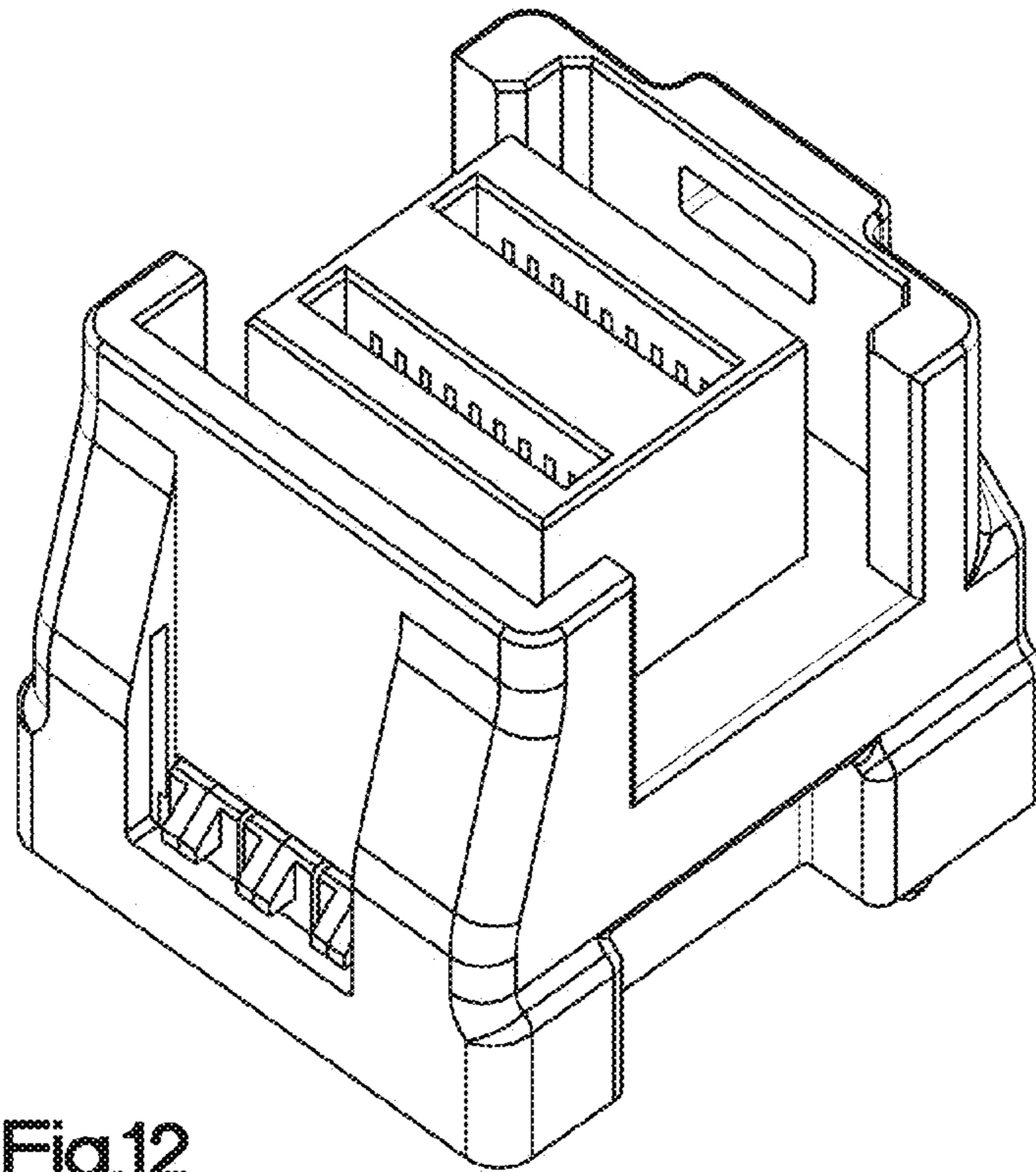


Fig.12

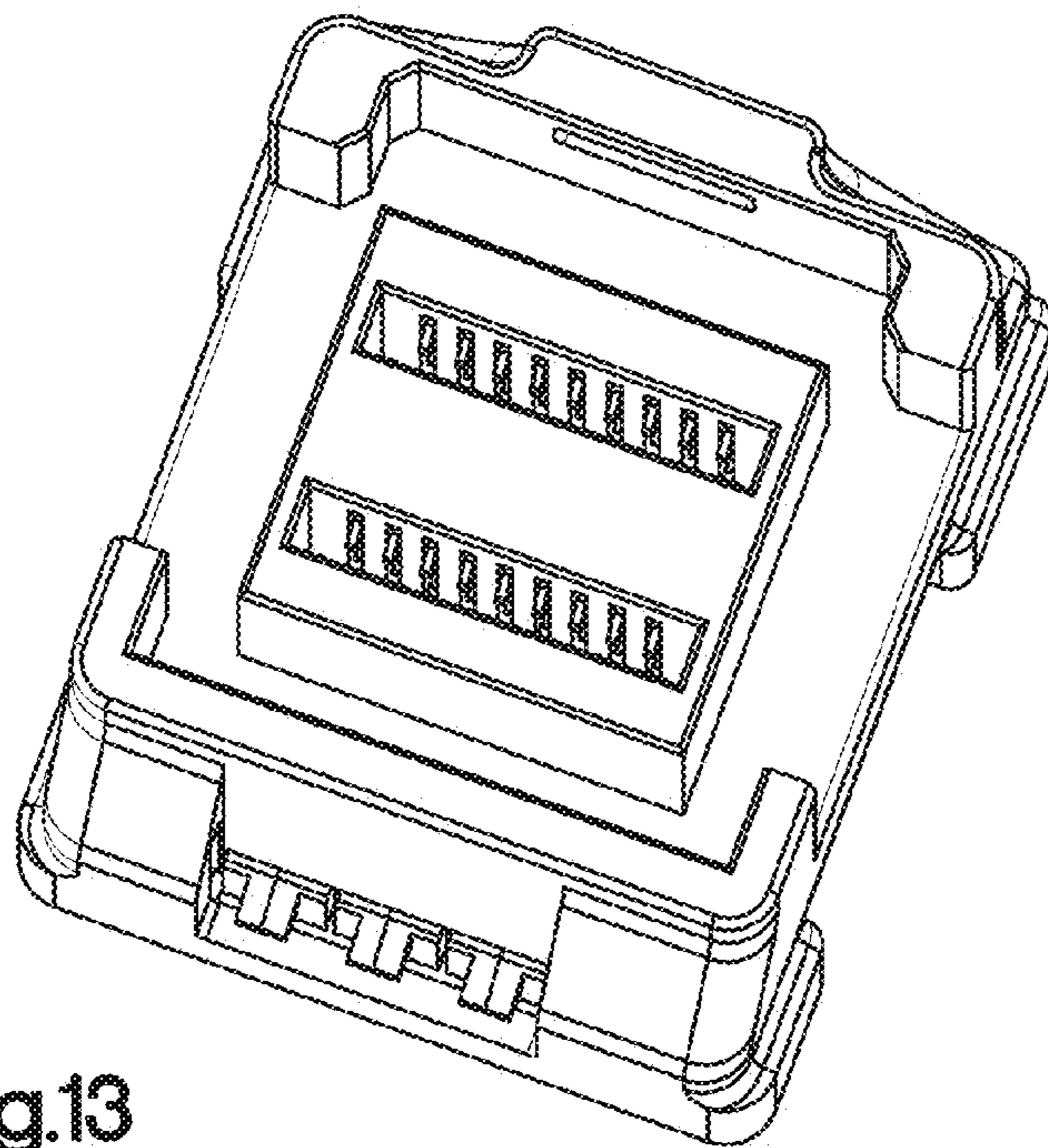


Fig.13

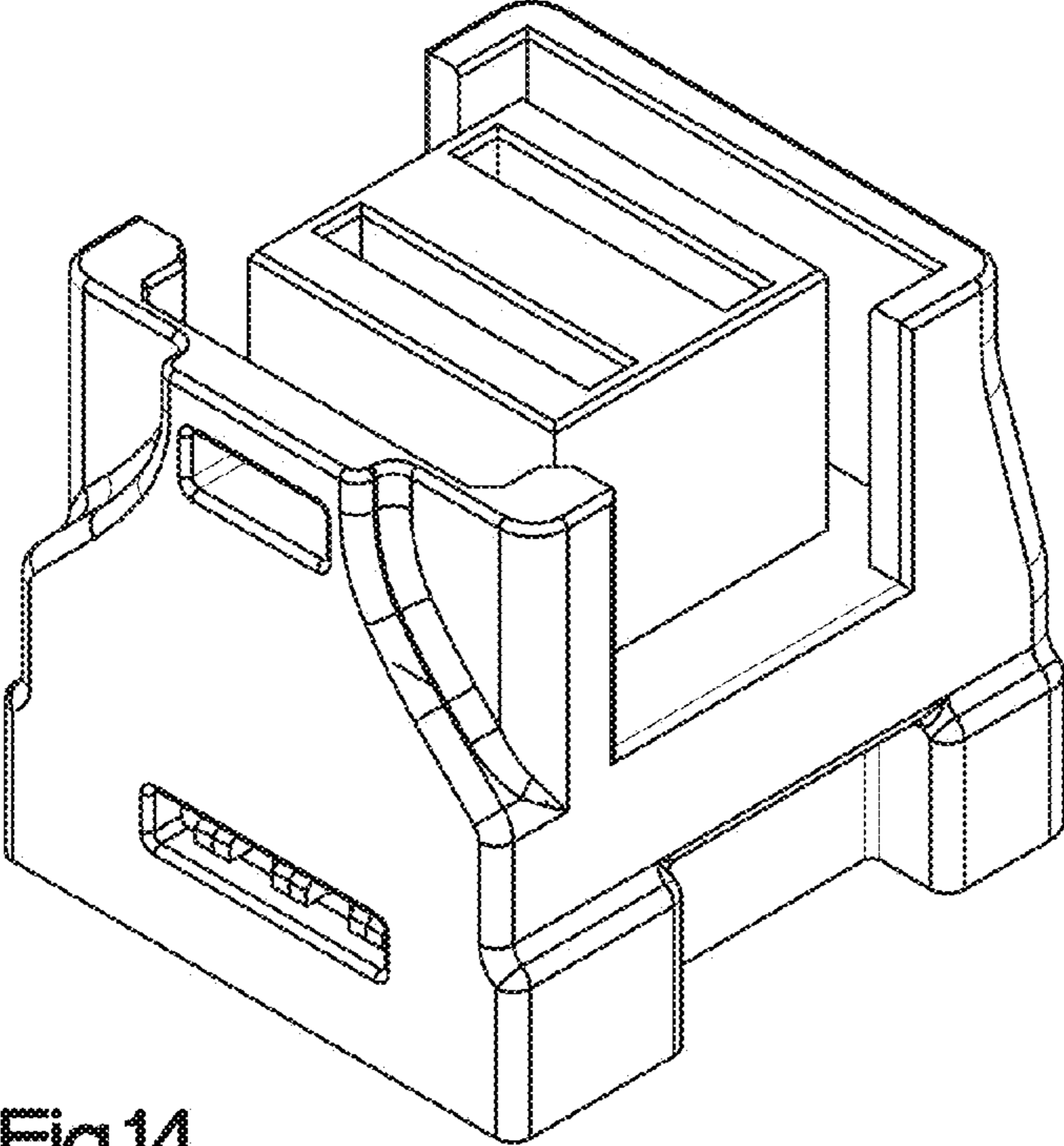


Fig.14

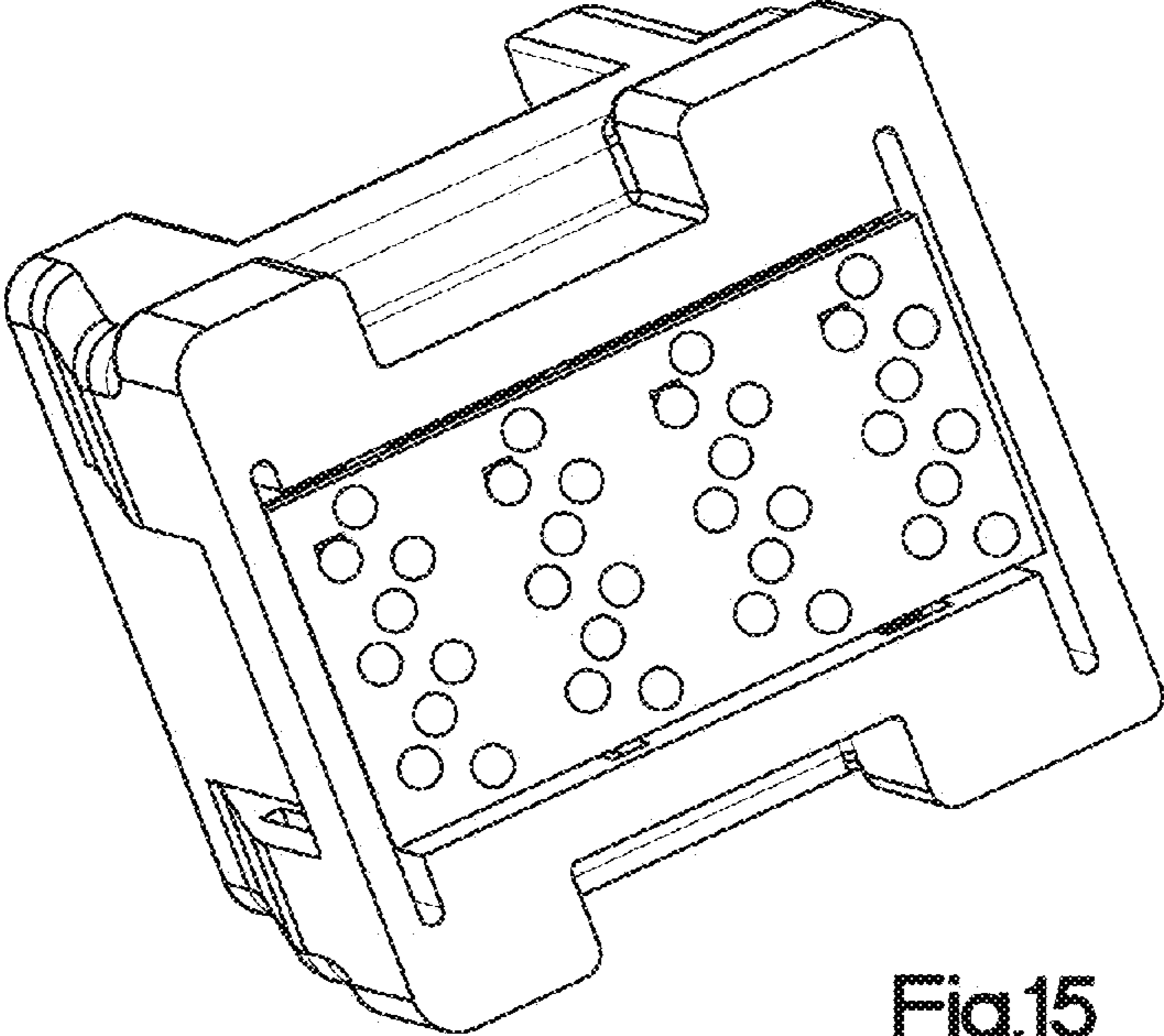


Fig.15

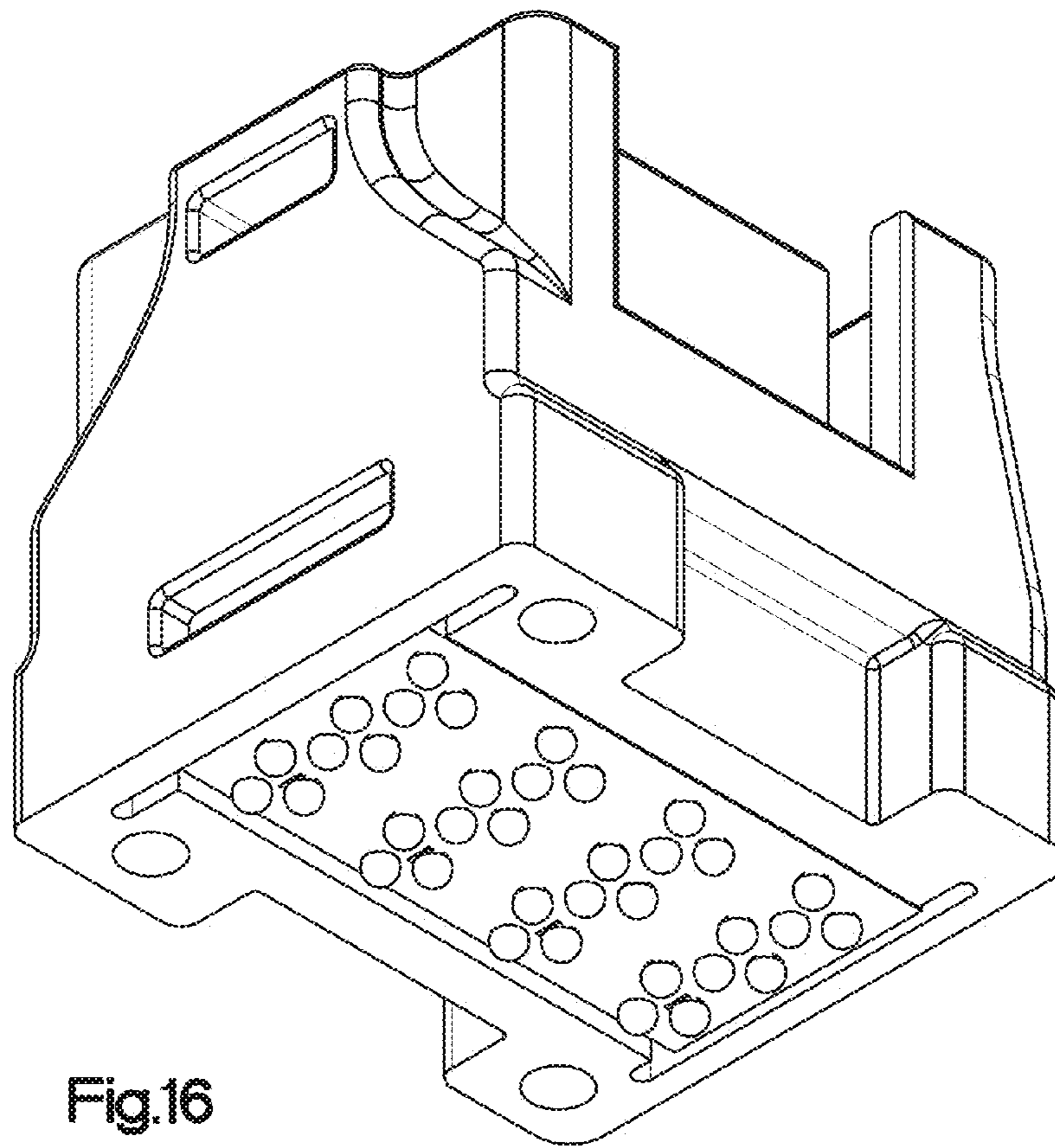


Fig.16

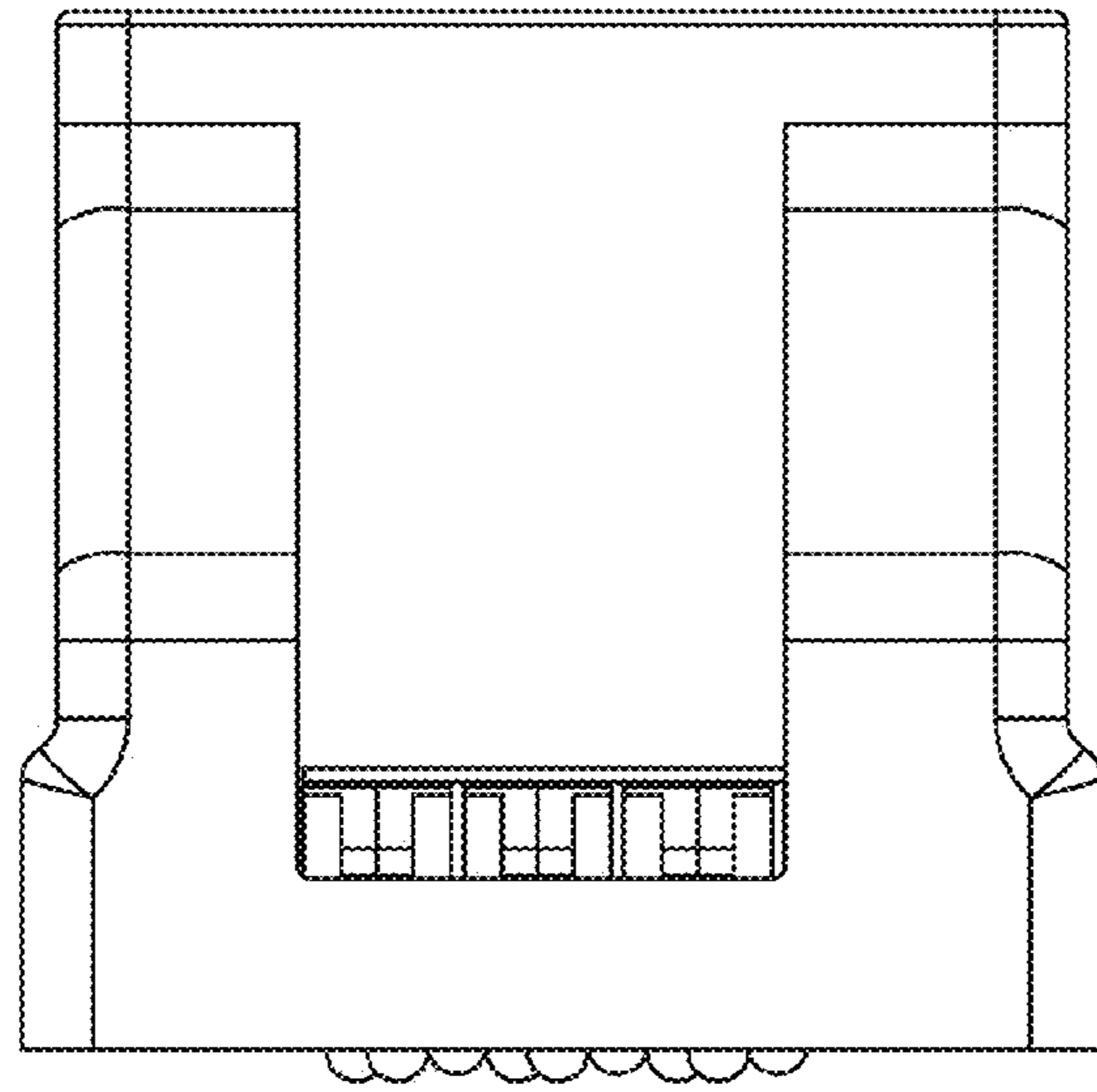


Fig.17

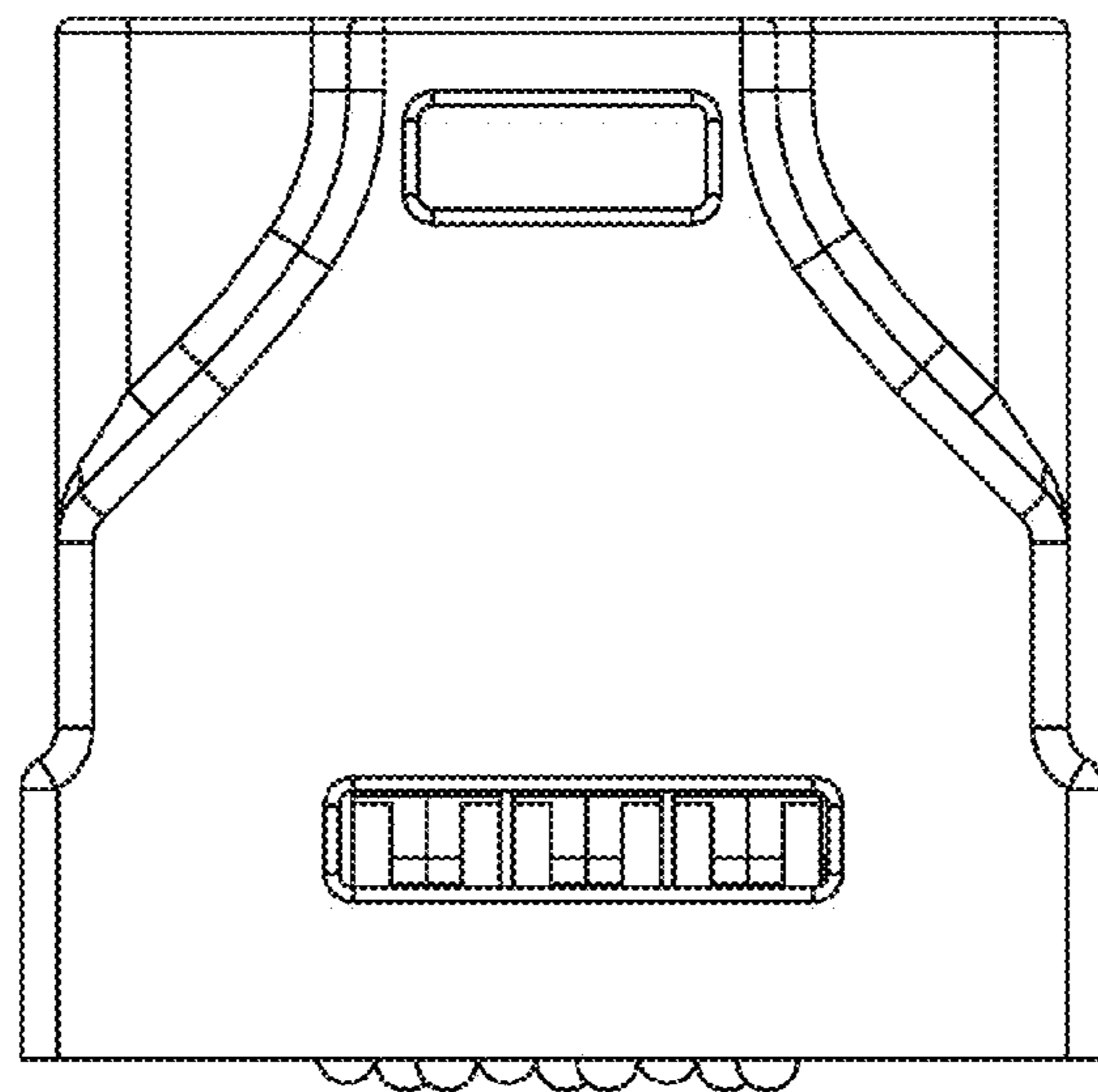


Fig.18

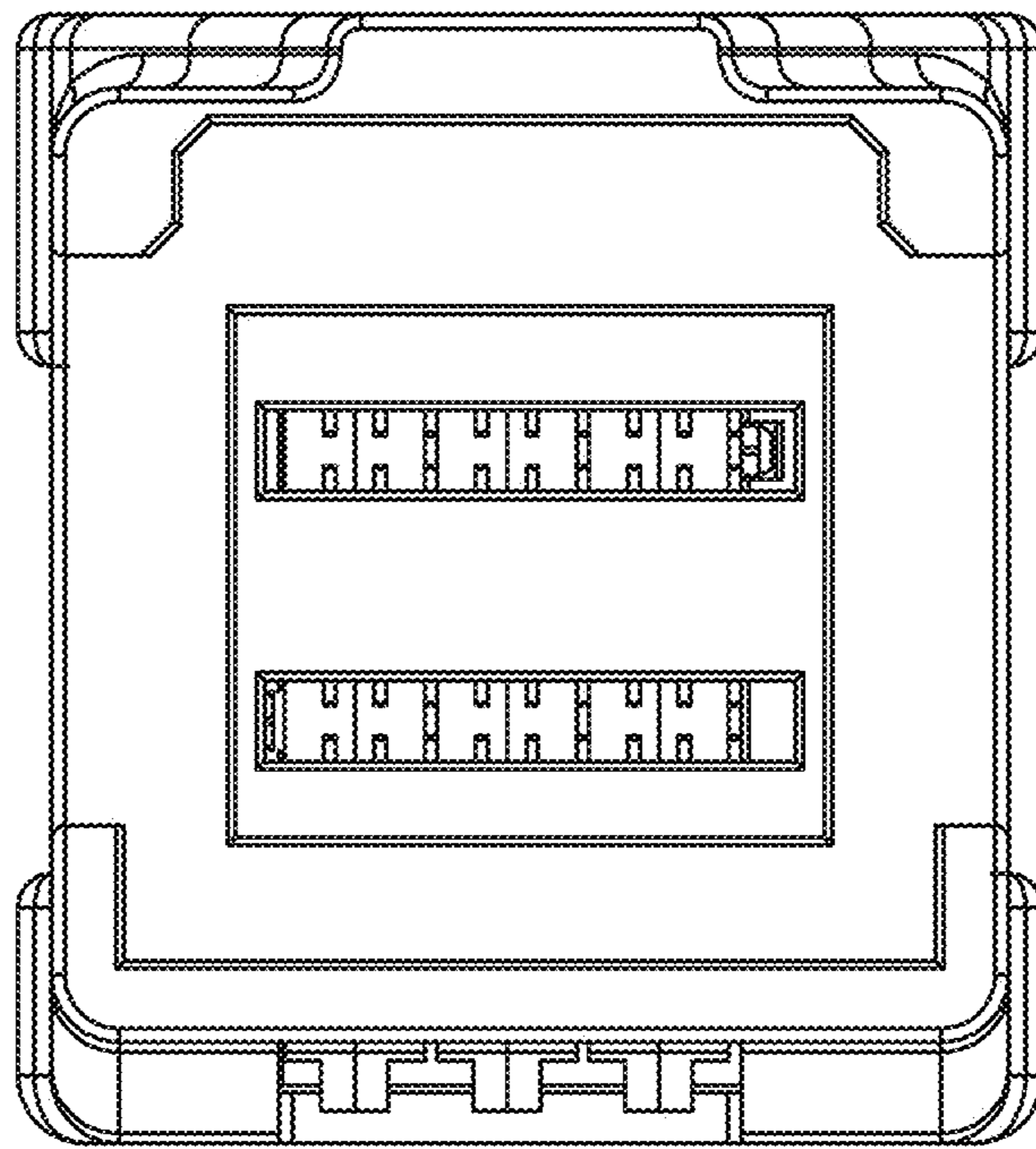


Fig.19

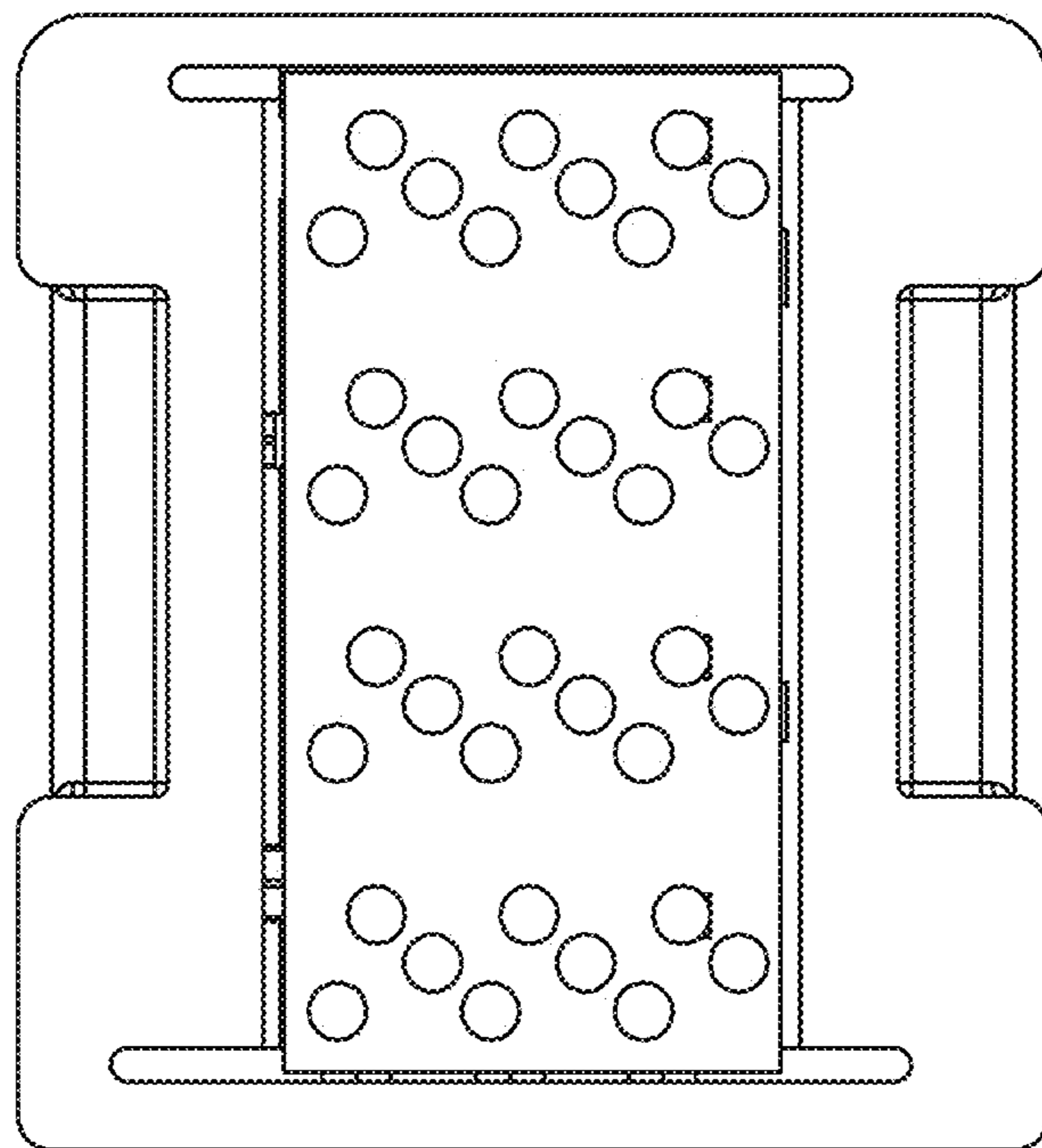


Fig.20

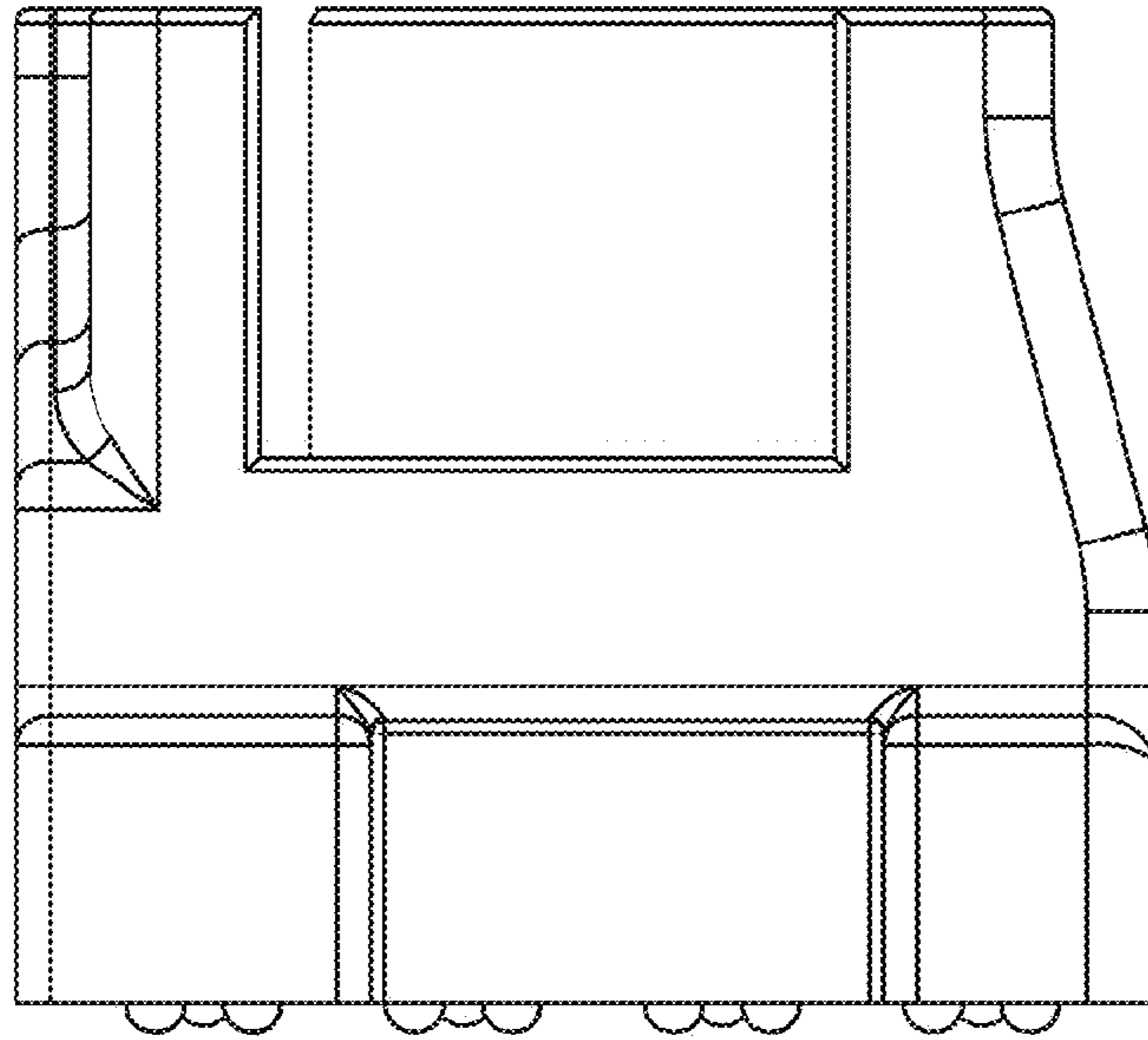


Fig.21

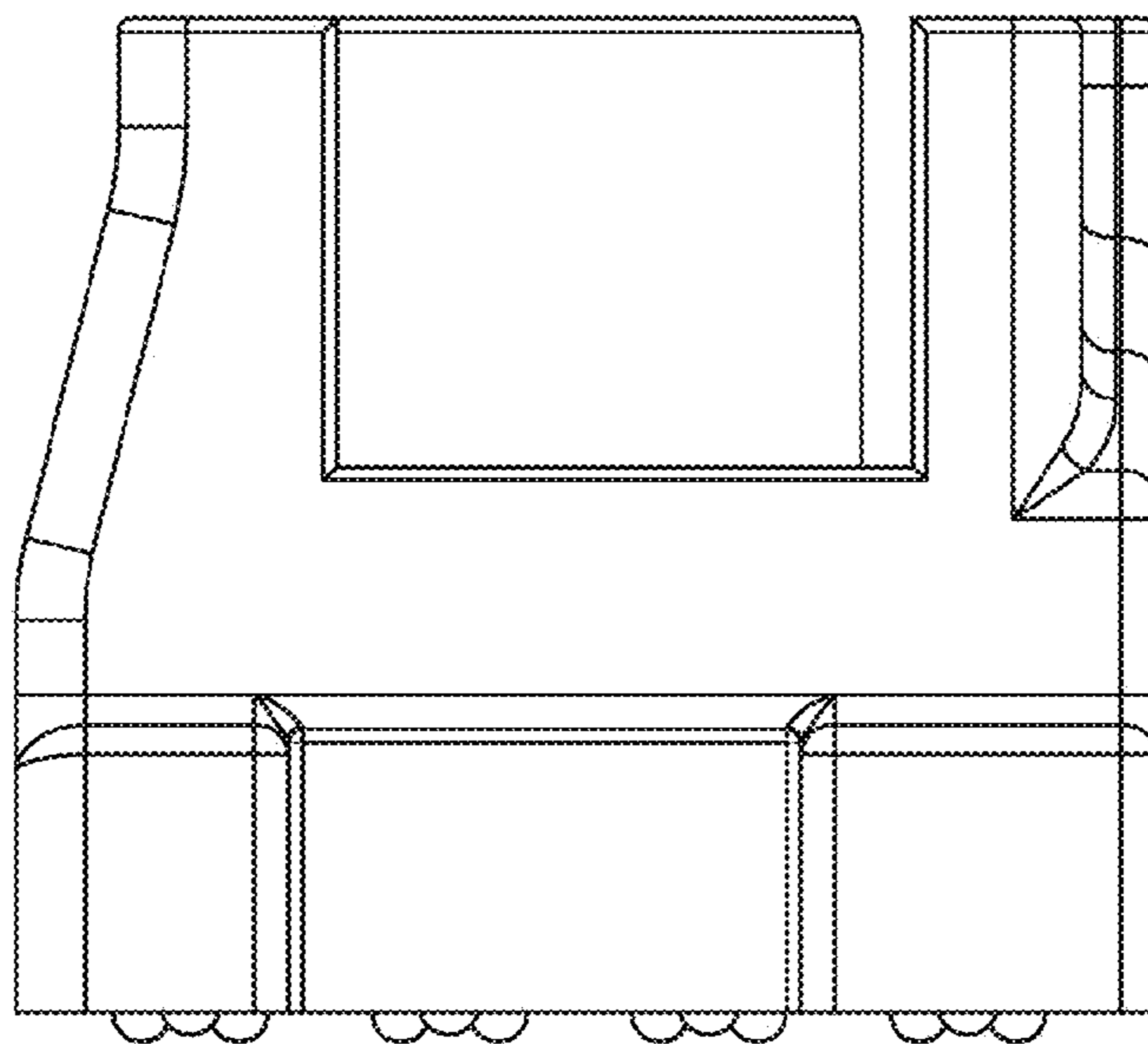


Fig.22