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(12) **United States Design Patent**
Takahashi

(10) **Patent No.:** **US D553,579 S**

(45) **Date of Patent:** **** Oct. 23, 2007**

(54) **PROGRAMMABLE LOGIC CONTROLLER**

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

(**) Term: **14 Years**

(21) Appl. No.: **29/239,879**

(22) Filed: **Oct. 6, 2005**

(30) **Foreign Application Priority Data**

Apr. 8, 2005 (JP) 2005-010548

(51) **LOC (8) Cl.** **13-03**

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

(58) **Field of Classification Search** D13/110,
D13/119, 123, 133, 147, 152, 154, 159-164,
D13/177, 184; D10/106; 439/568; 361/690,
361/678, 647, 605; 312/100; 307/149, 125,
307/113; 232/4 R, 1 D; 220/324, 3.8; 109/73
See application file for complete search history.

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, bottom and left side perspective view of a programmable logic controller showing my new design;

FIG. 2 is a rear, top and right side perspective view thereof;

FIG. 3 is front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a right side elevational view thereof;

FIG. 8 is a left side elevational view thereof;

FIG. 9 is a front, bottom and left side perspective view thereof showing a condition in which the first and second covers for an addition terminal block are removed;

FIG. 10 is a front elevational view thereof showing a condition in which the covers are opened;

FIG. 11 is a front elevational view thereof showing a condition in which the first and second covers for an additional terminal block are removed;

FIG. 12 is an enlarged front, bottom and left side perspective view of a removed first cover thereof; an enlarged front, bottom and left side perspective view of a removed second cover being identical;

FIG. 13 is an enlarged rear, top and right side perspective view of a removed first cover thereof; an enlarged rear, top and right side perspective view of a removed second cover being identical; and,

FIG. 14 is a front elevational view thereof showing a condition in which the light emitting diodes and display characters are actuated.

1 Claim, 7 Drawing Sheets

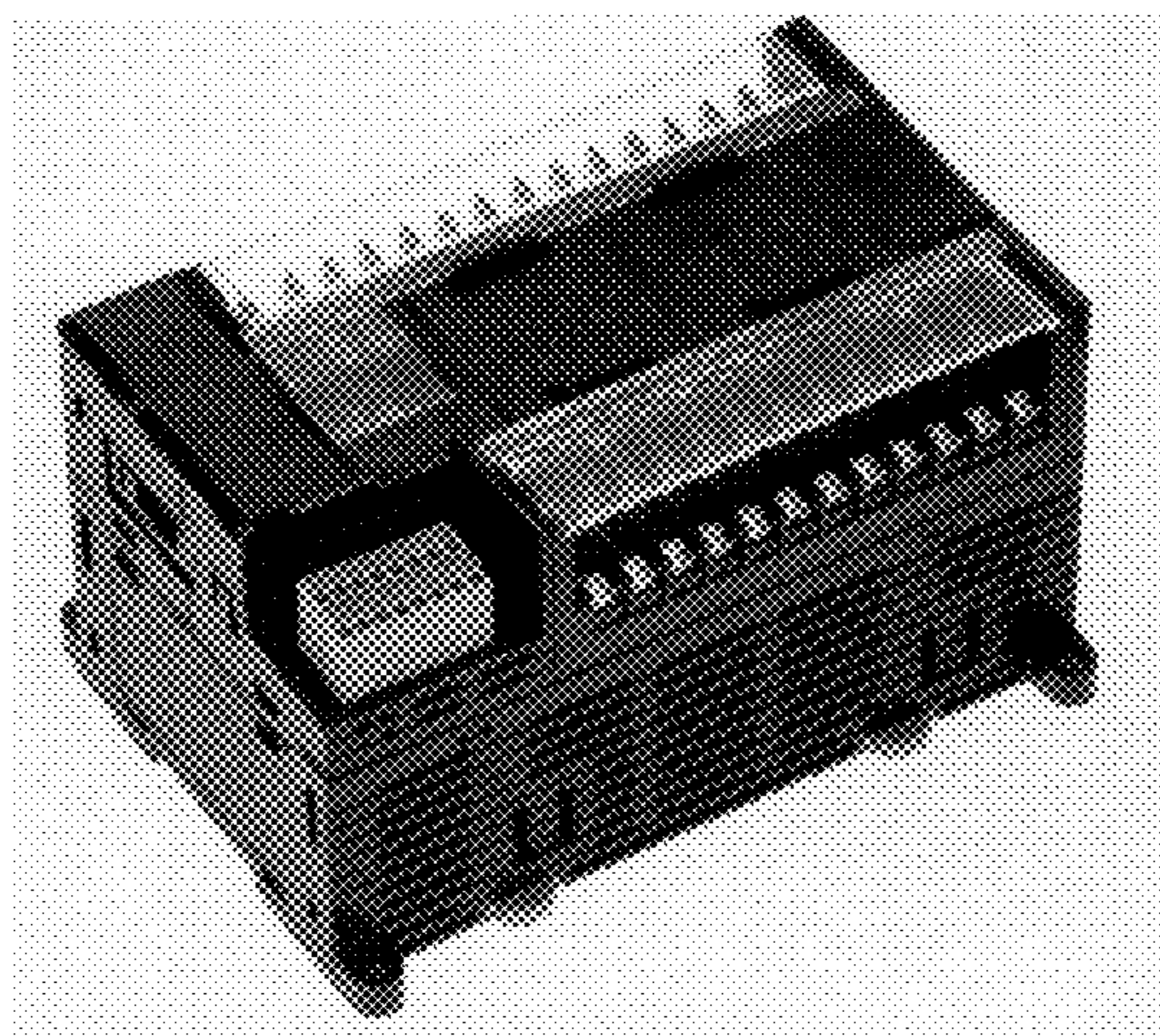


Fig.1

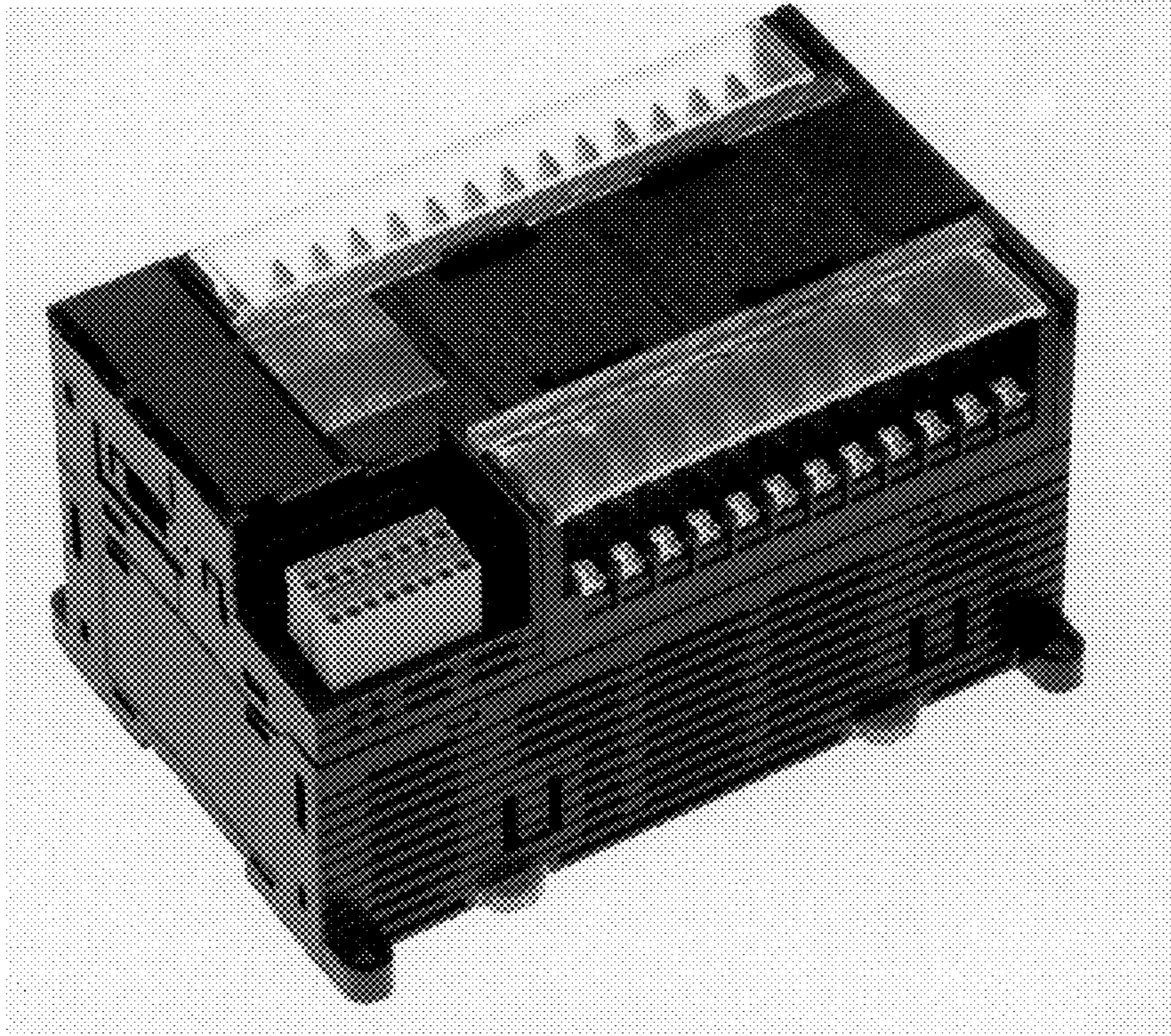


Fig.2

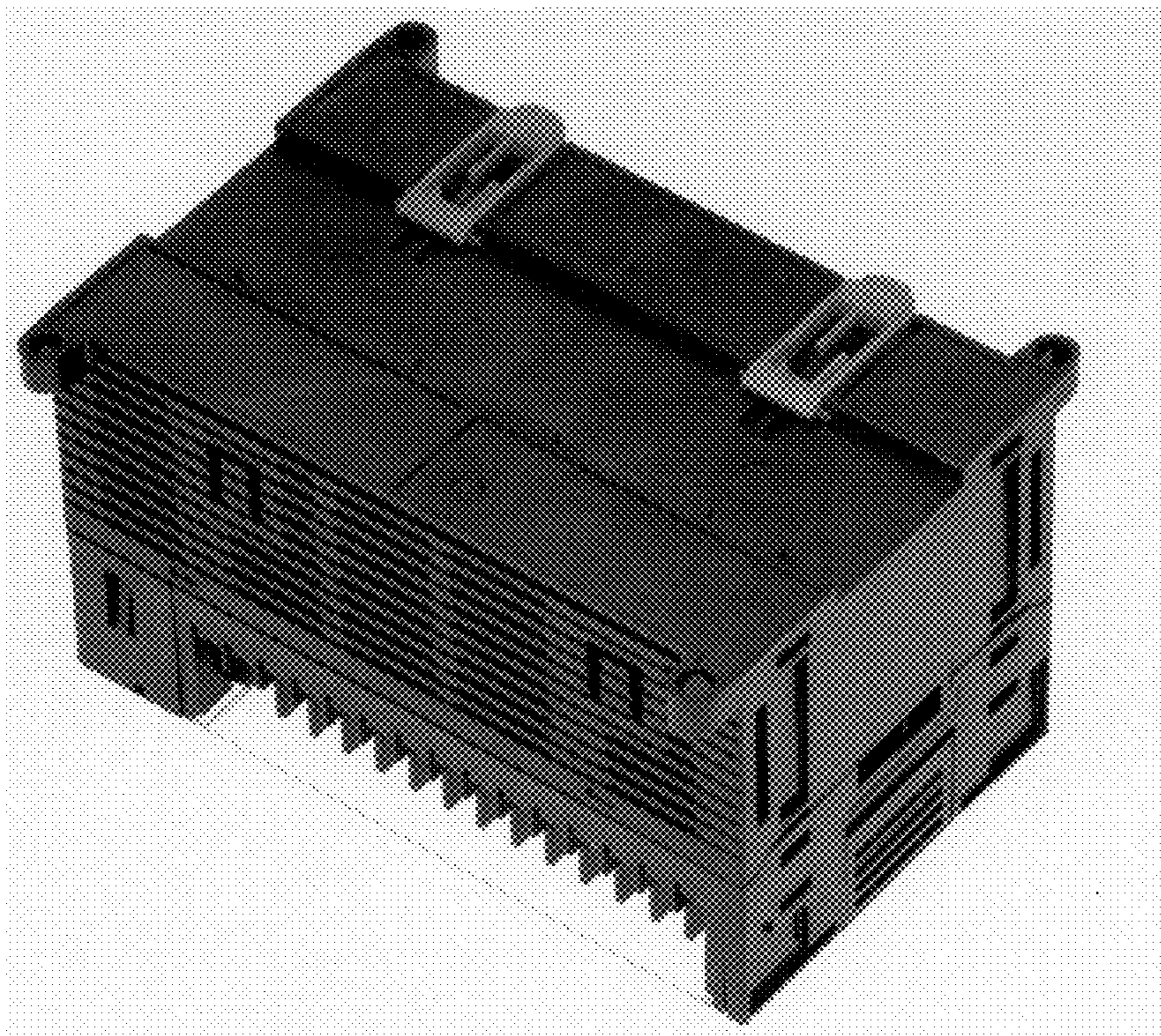


Fig.3

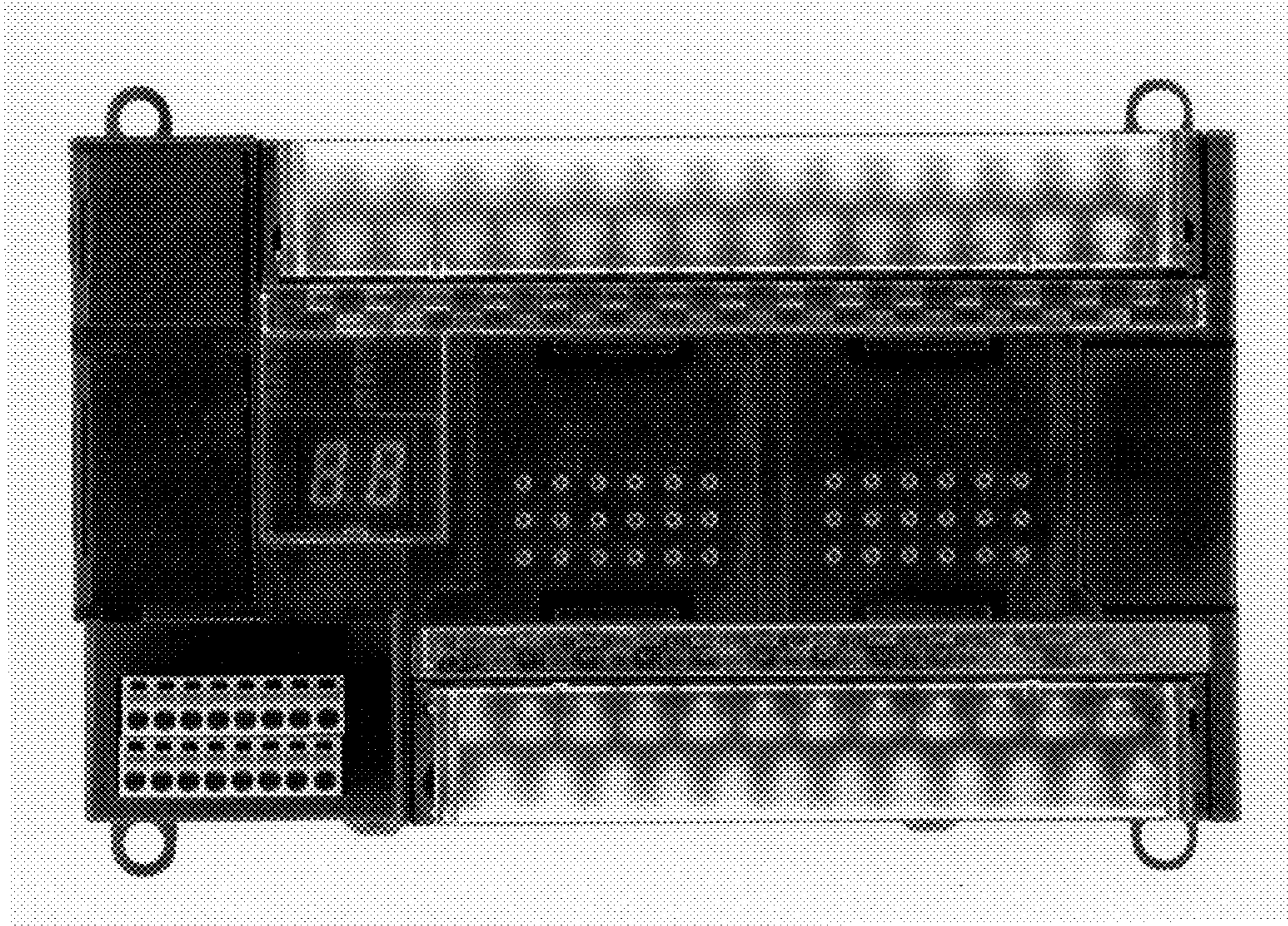


Fig.4

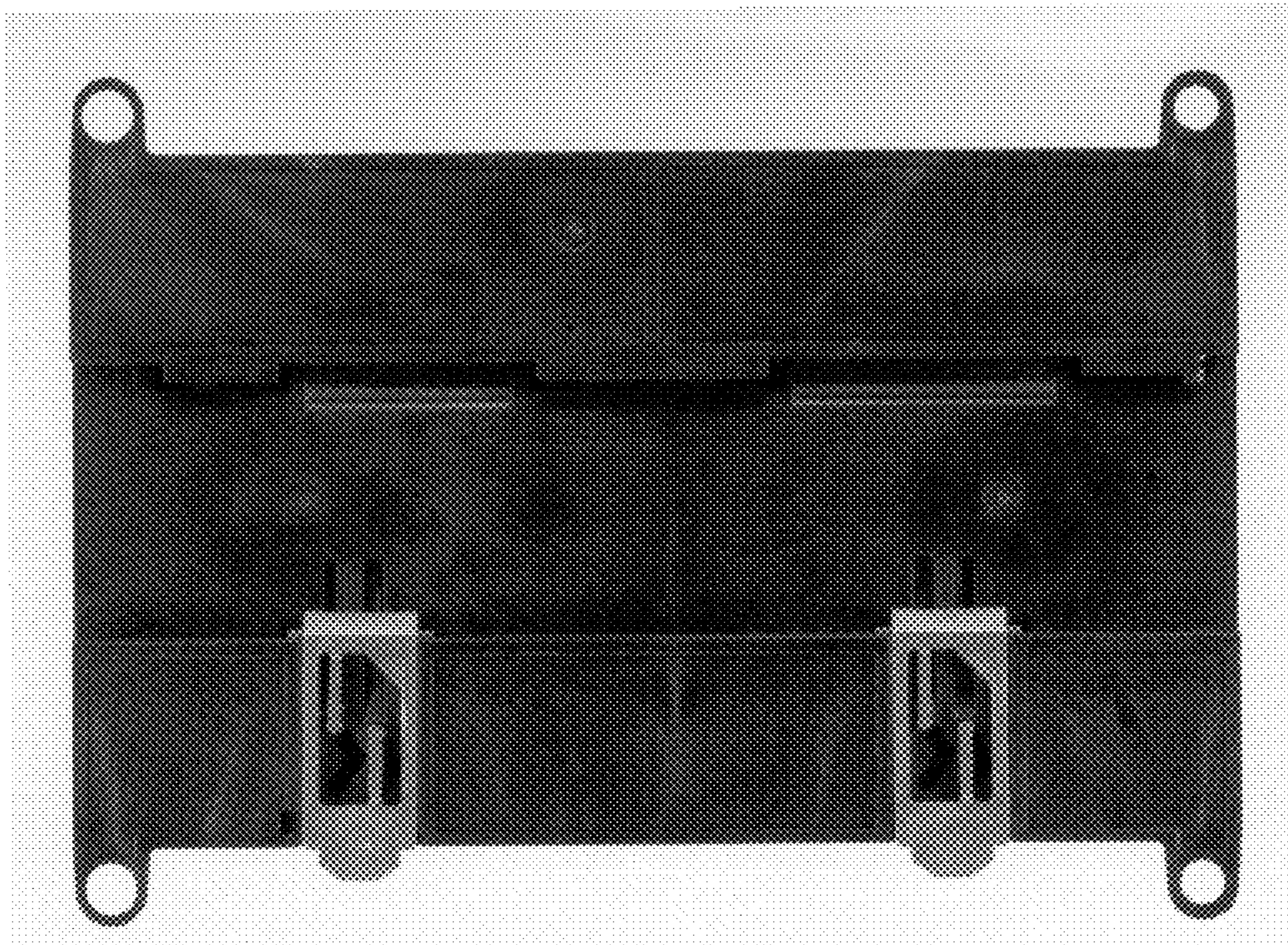


Fig.5

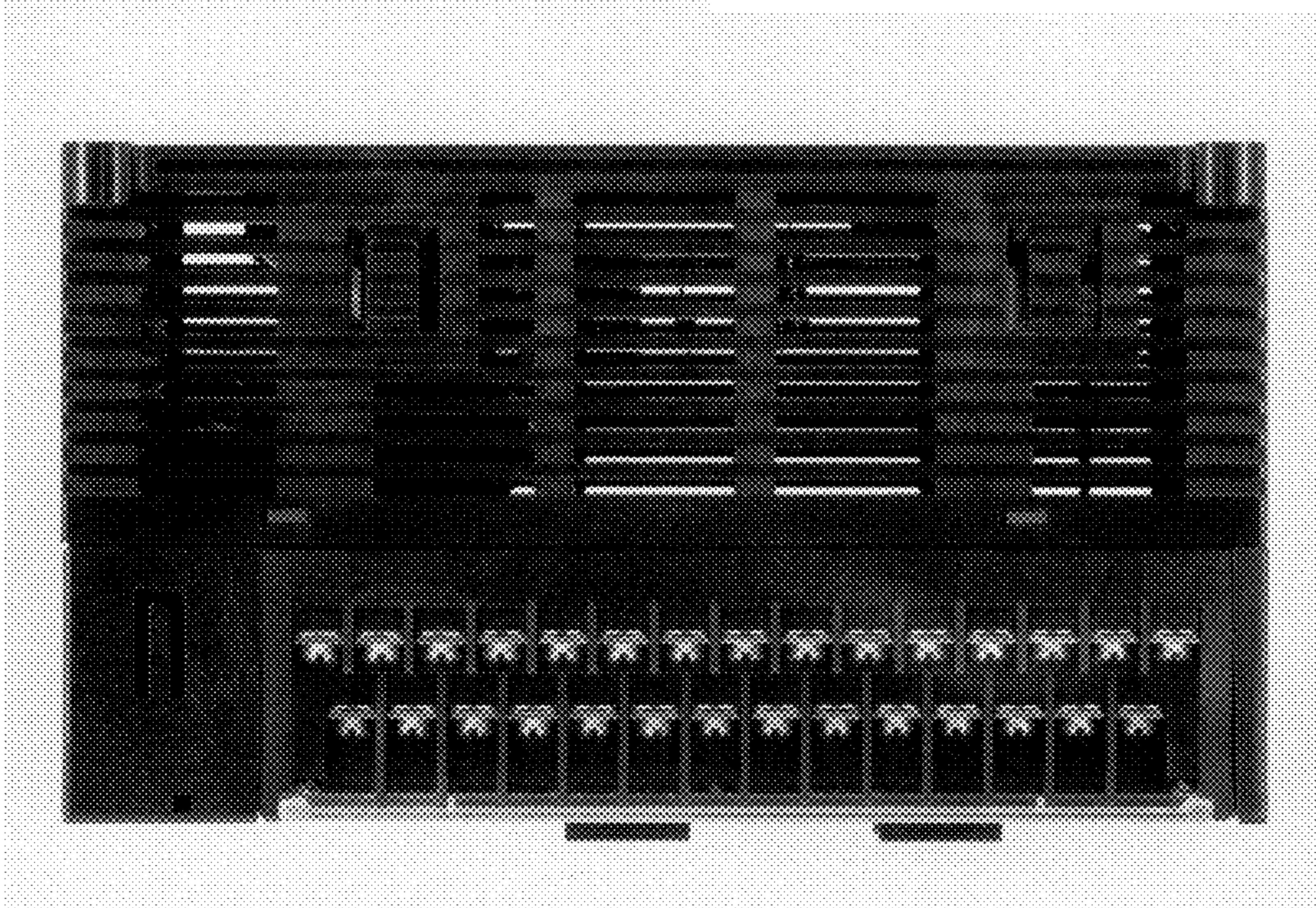


Fig.6

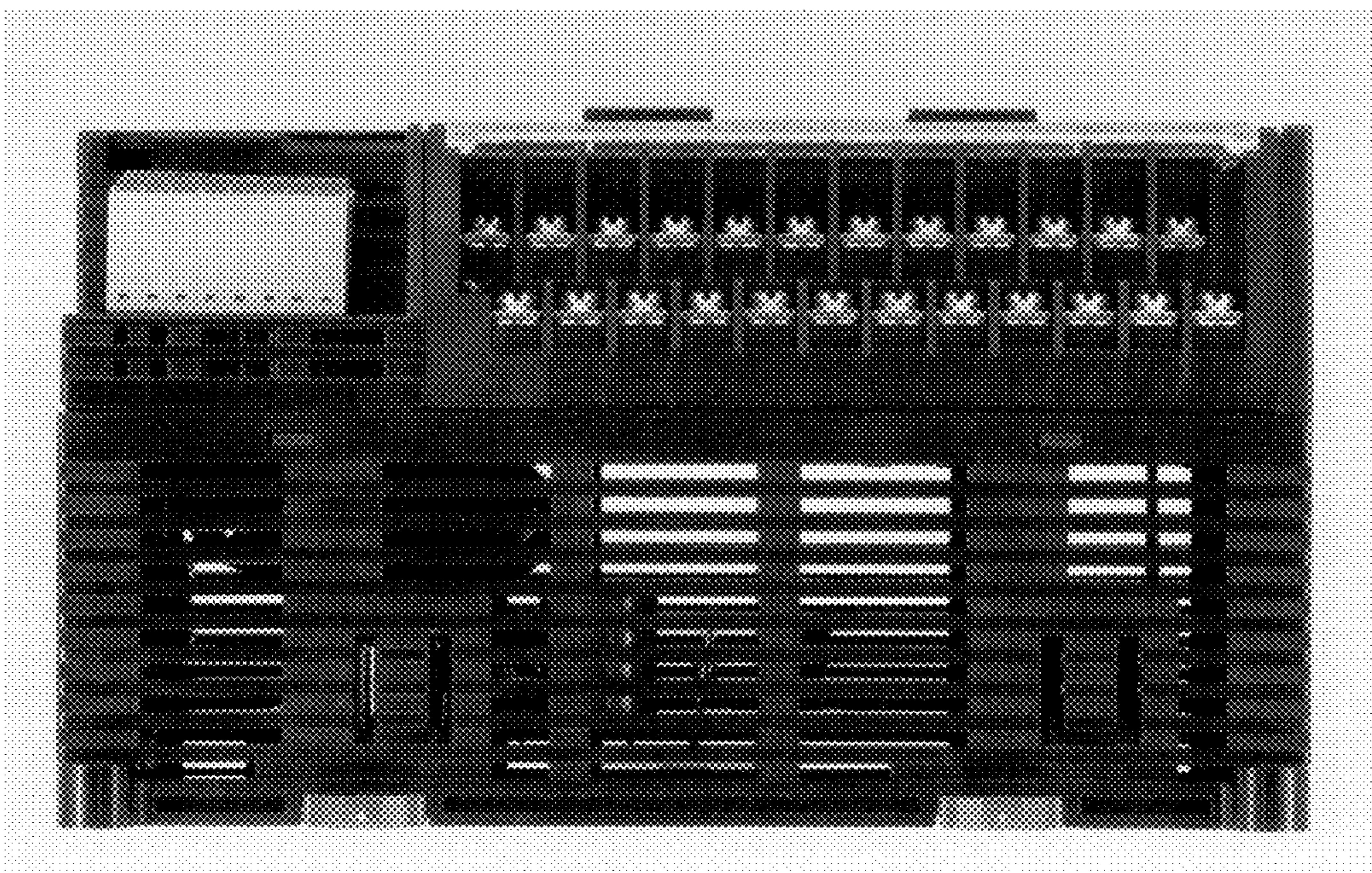


Fig. 7

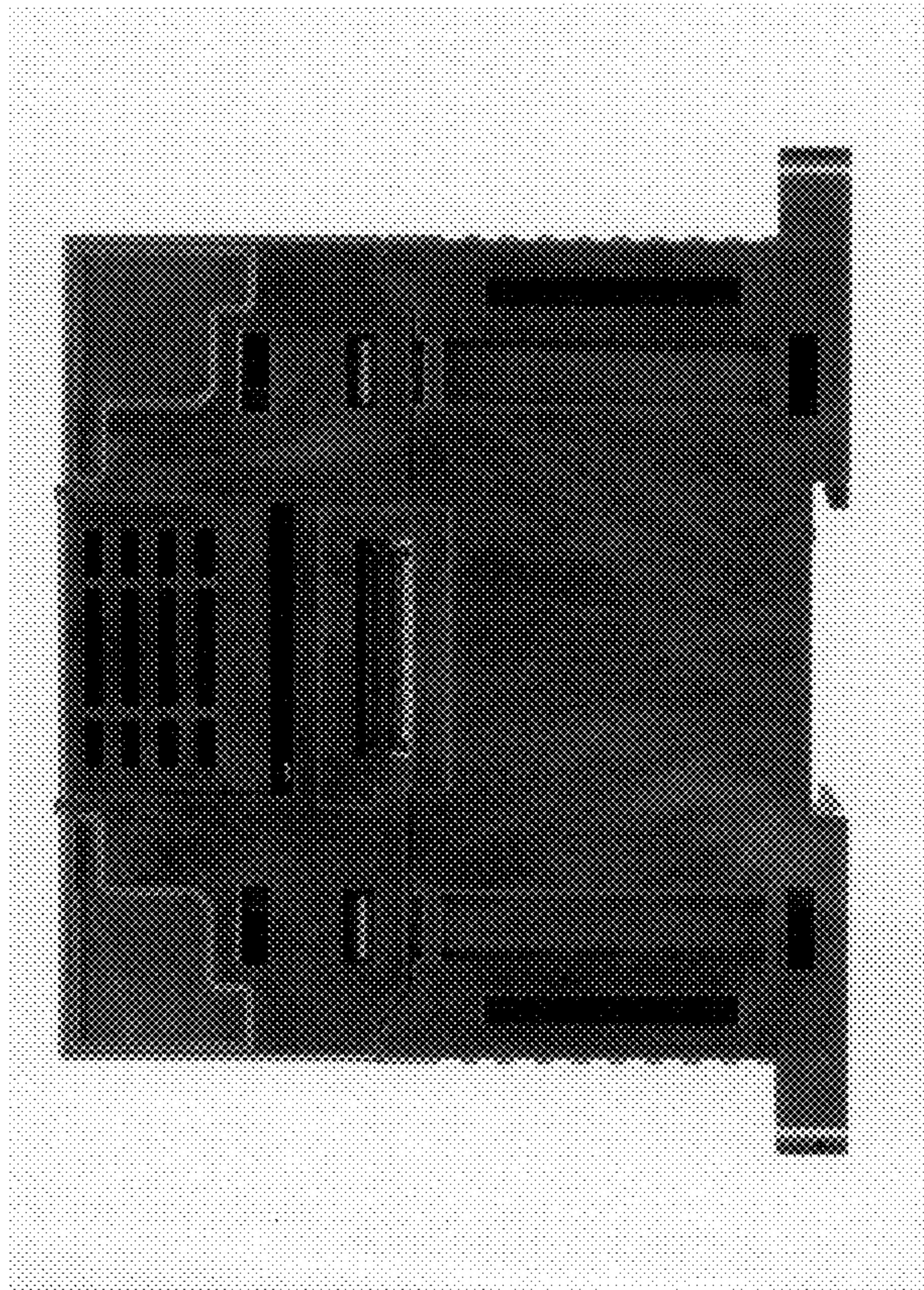


Fig. 8

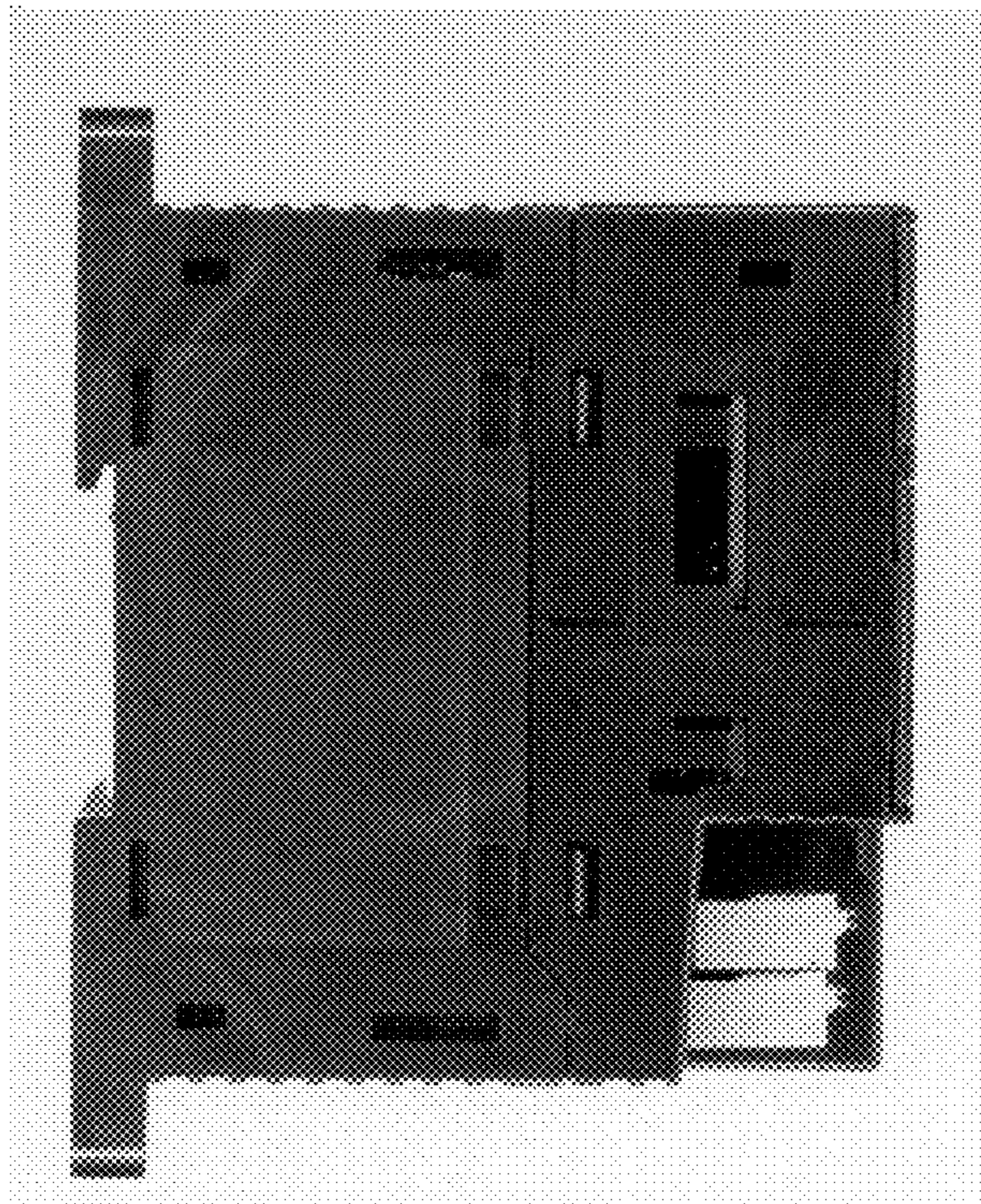


Fig.9

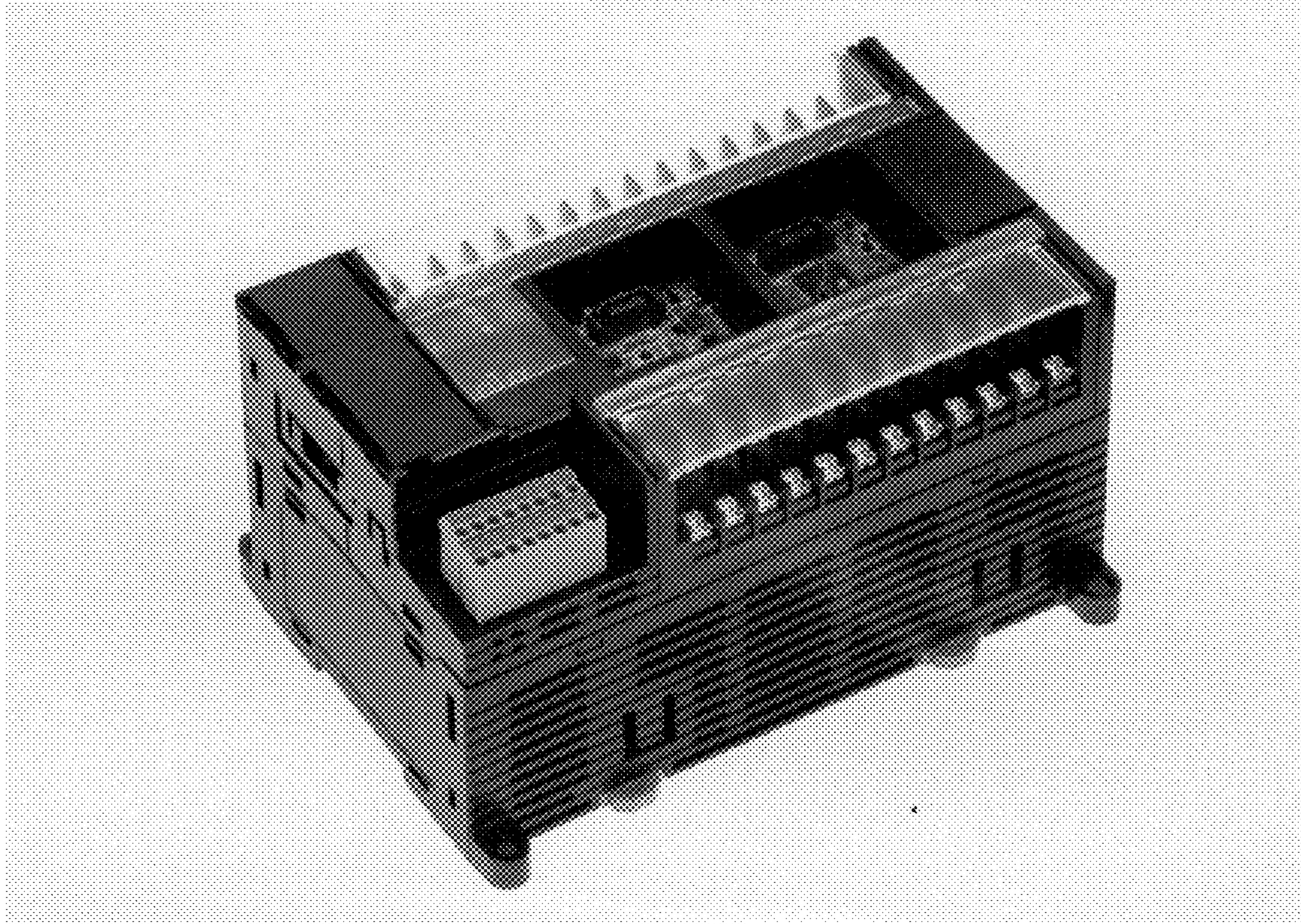


Fig.10

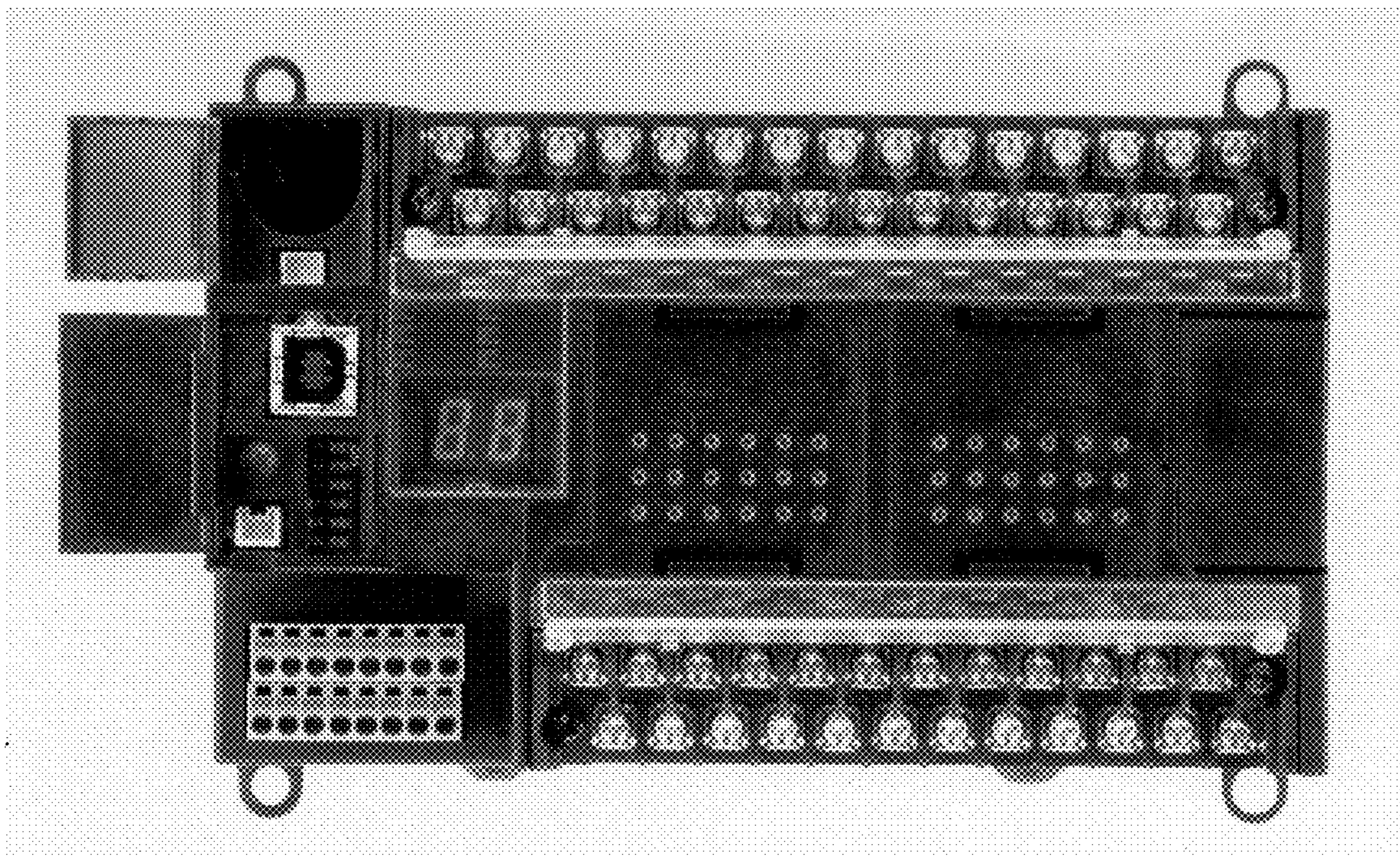


Fig.11

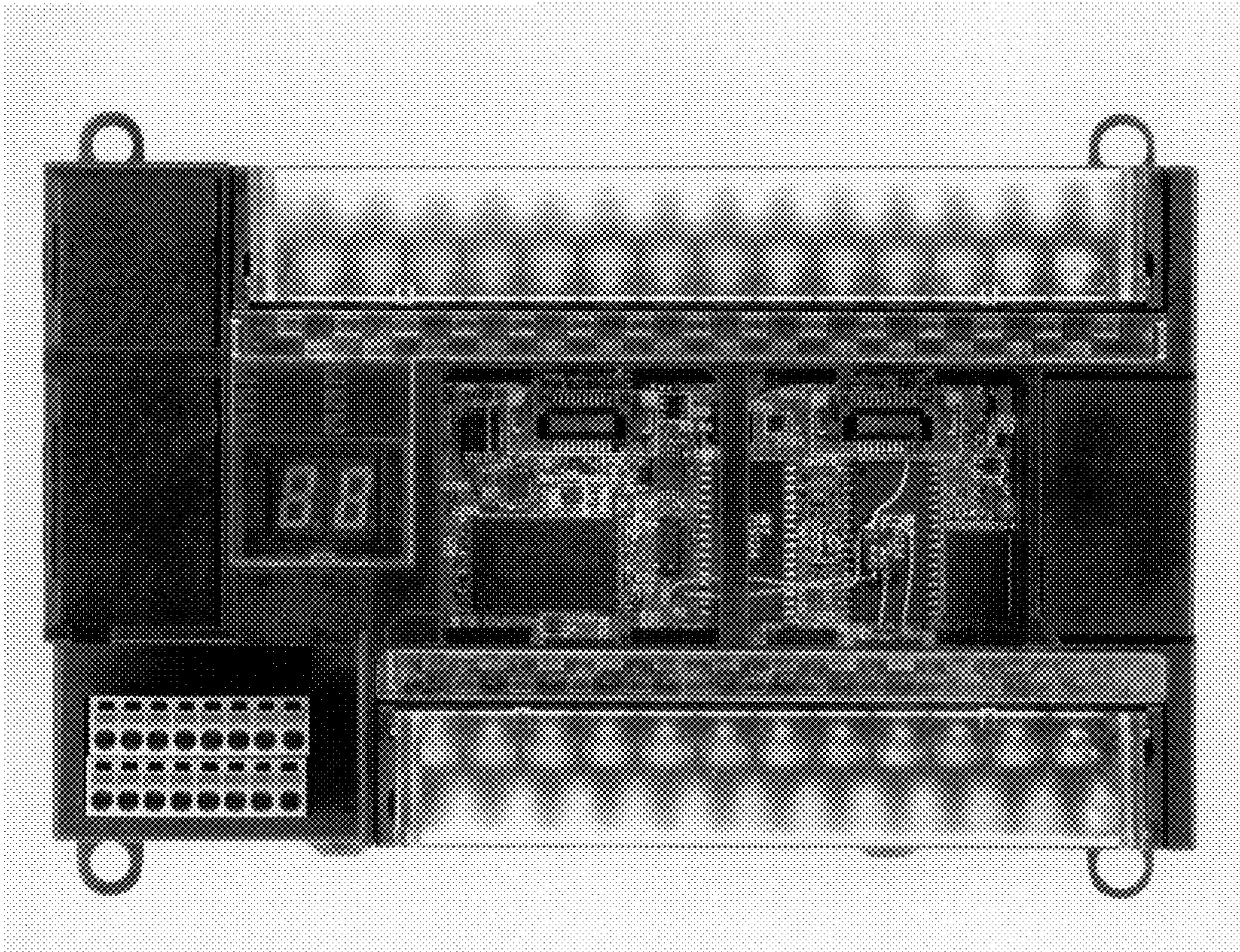


Fig.12

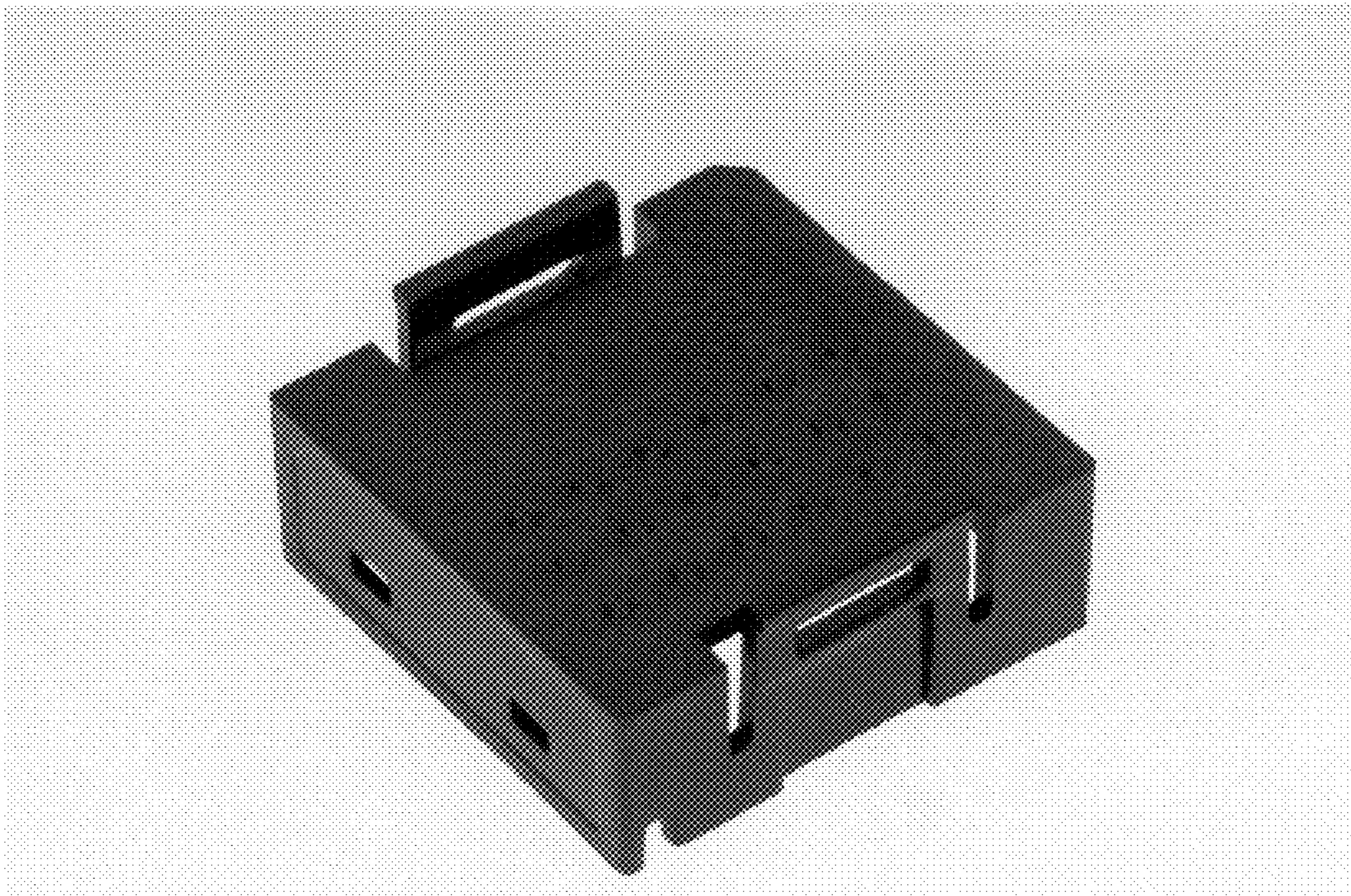


Fig. 13

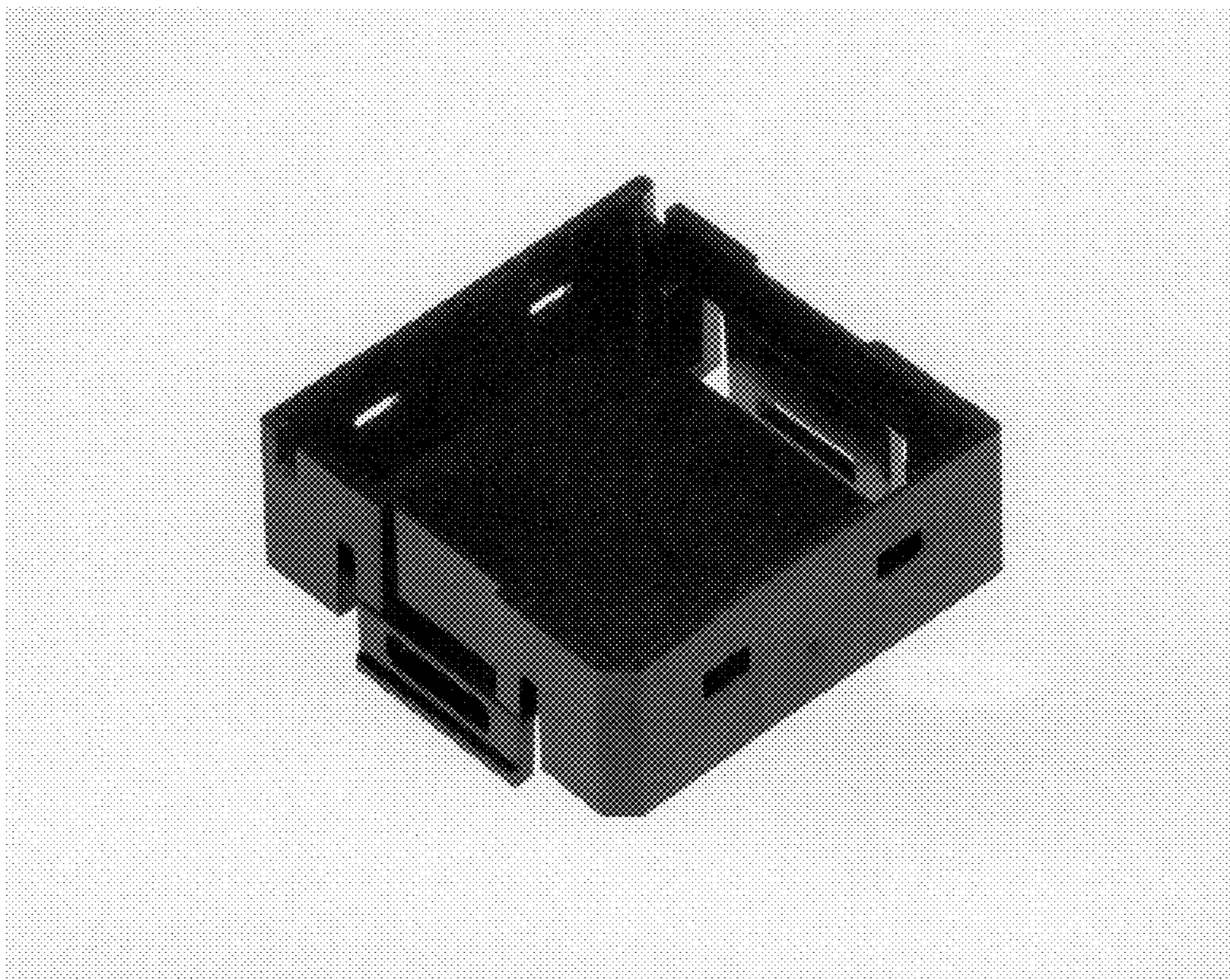


Fig. 14

