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(12) **United States Design Patent** (10) **Patent No.:** **US D919,580 S**  
**Nada** (45) **Date of Patent:** **\*\* May 18, 2021**

(54) **PROGRAMMABLE CONTROLLER**

D482,005 S \* 11/2003 Droulin ..... D13/162.1  
D482,663 S \* 11/2003 Droulin ..... D13/162.1  
D488,133 S \* 4/2004 Droulin ..... D13/162.1

(Continued)

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

FOREIGN PATENT DOCUMENTS

CN 208781917 U 4/2019

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

OTHER PUBLICATIONS

(21) Appl. No.: **29/712,209**

Heita Nada, Programmable Controller, Design U.S. Appl. No. 29/712,193, filed Nov. 6, 2019, in the USPTO.

(22) Filed: **Nov. 6, 2019**

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*Assistant Examiner* — Fritzgerald L Butac

(30) **Foreign Application Priority Data**

Jun. 26, 2019 (JP) ..... 2019-014180

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

(57) **CLAIM**

(52) **U.S. Cl.**

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

USPC ..... **D13/162.1**

**DESCRIPTION**

(58) **Field of Classification Search**

USPC ..... D13/123, 162.1, 164, 184; D15/138  
CPC ..... G05B 9/02; G05B 19/05; G05B 19/054;  
G05B 19/056

See application file for complete search history.

FIG. 1 is a top, front, and right side perspective view of a programmable controller showing my new design;  
FIG. 2 is a bottom, rear, and left side perspective view thereof;

(56) **References Cited**

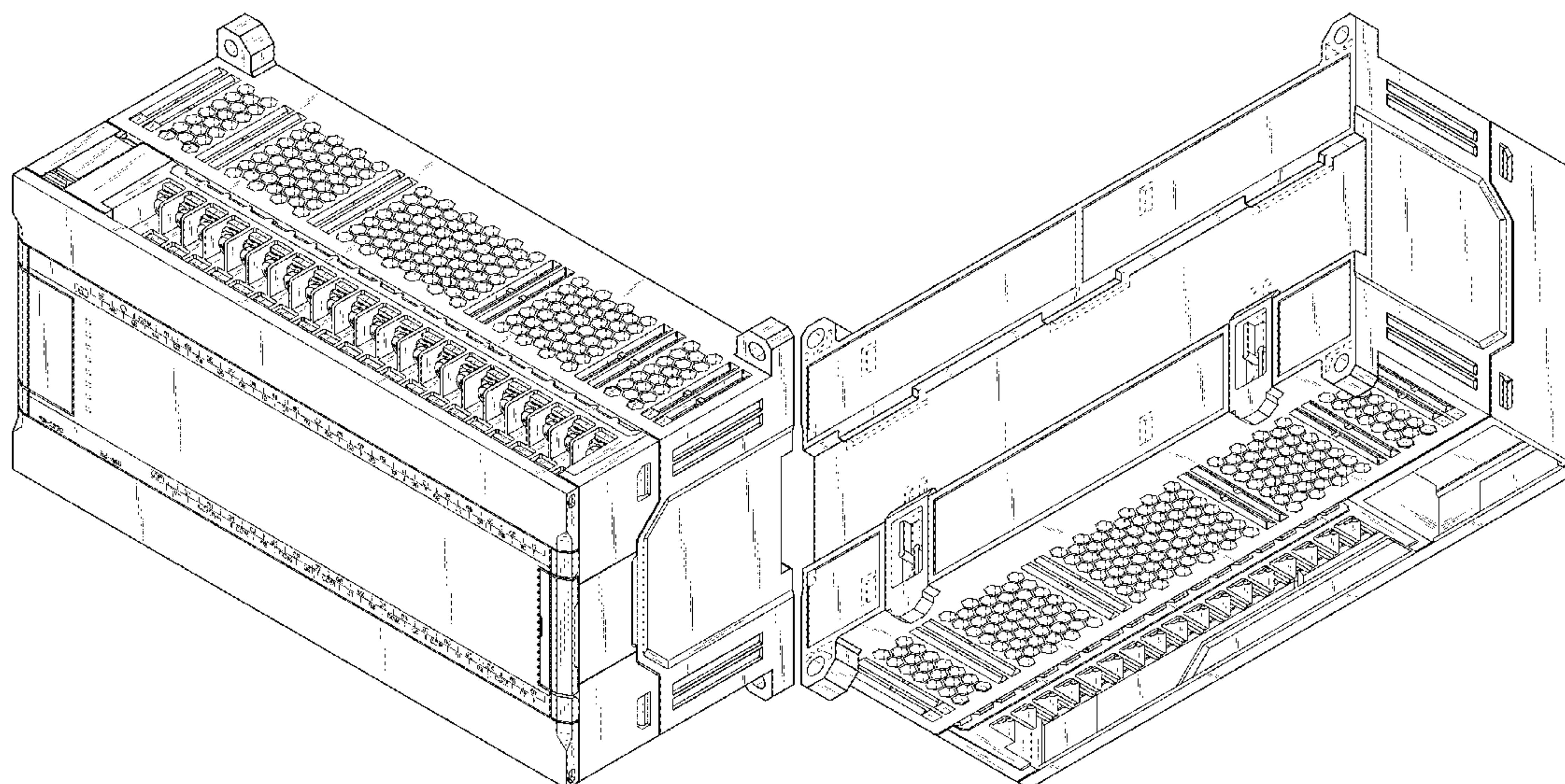
U.S. PATENT DOCUMENTS

D278,710 S \* 5/1985 Shimizu ..... D13/162.1  
D292,394 S \* 10/1987 Boucher ..... D13/162.1  
D302,972 S \* 8/1989 Boucher ..... D13/162.1  
D307,740 S \* 5/1990 Shibayama ..... D13/162.1  
D325,900 S \* 5/1992 Shimizu ..... D13/162.1  
D351,589 S \* 10/1994 Shimizu ..... D13/162.1  
D358,369 S \* 5/1995 Shimizu ..... D13/164  
D418,483 S \* 1/2000 Shimizu ..... D13/162.1  
D478,873 S \* 8/2003 Droulin ..... D13/162.1  
D480,055 S \* 9/2003 Droulin ..... D13/162.1  
D480,367 S \* 10/2003 Droulin ..... D13/162.1  
D480,368 S \* 10/2003 Droulin ..... D13/162.1  
D480,369 S \* 10/2003 Droulin ..... D13/162.1  
D481,014 S \* 10/2003 Droulin ..... D13/162.1

FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a top view thereof;  
FIG. 8 is a bottom view thereof;  
FIG. 9 is a top, front, and right side perspective view thereof with terminal block covers in an opened position;  
FIG. 10 is a top, front, and right side perspective view thereof with a USB port cover in an opened position; and,  
FIG. 11 is a front view thereof with the USB port cover in an opened position.

The dashed broken lines in the figures show portions of the programmable controller that form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D770,975	S	*	11/2016	Nada	.....	D13/110
D815,606	S	*	4/2018	Nada	.....	D13/162.1
D857,636	S	*	8/2019	Ueda	.....	D13/162.1
D857,637	S	*	8/2019	Ueda	.....	D13/162.1
D868,006	S	*	11/2019	Ueda	.....	D13/162.1
D892,740	S	*	8/2020	Nada	.....	D13/123
D893,425	S	*	8/2020	Nada	.....	D13/123
D896,766	S	*	9/2020	Kato	.....	D13/162.1
D897,294	S	*	9/2020	Kato	.....	D13/162.1

\* cited by examiner



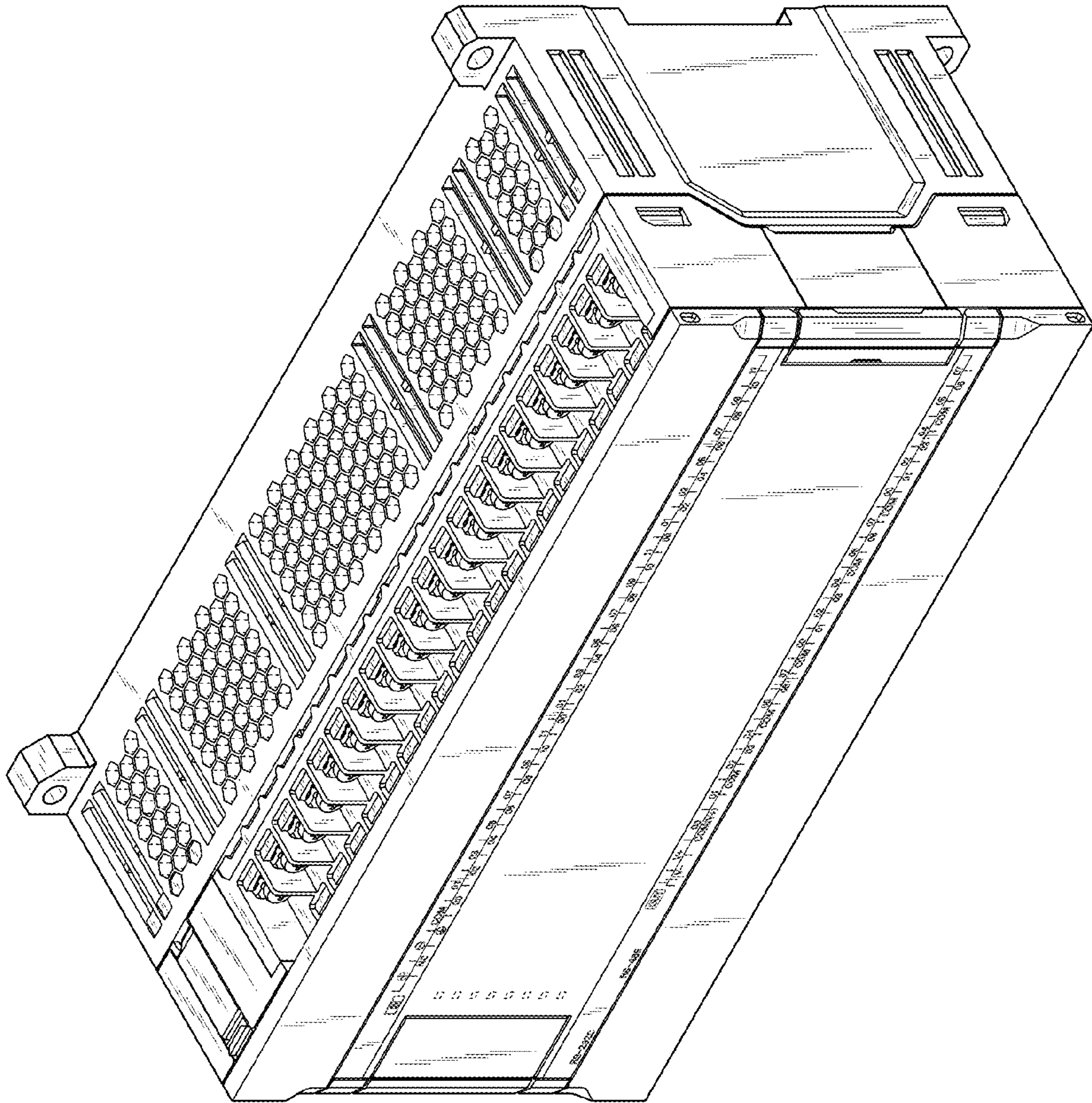


Fig. 1

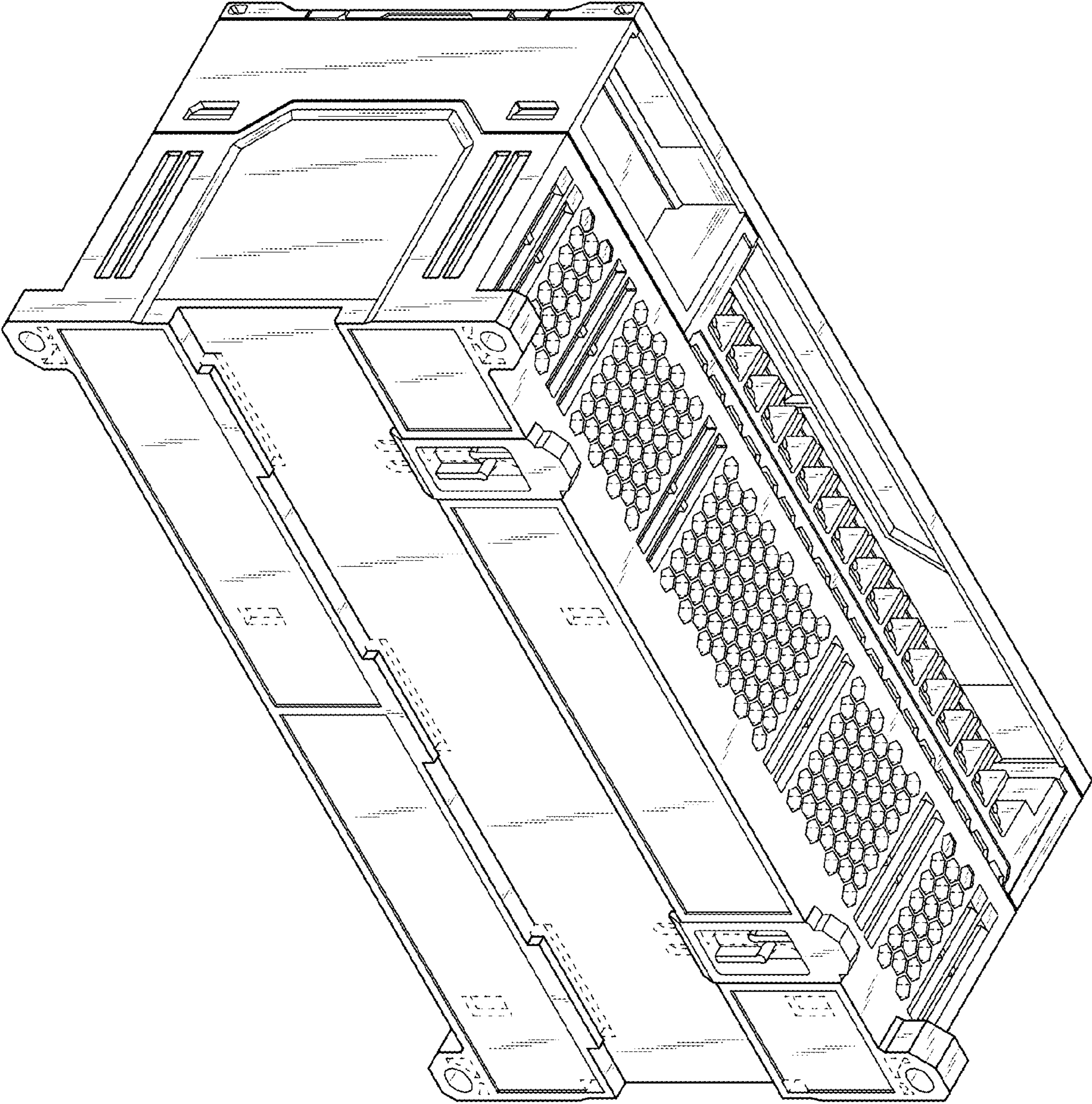


Fig. 2



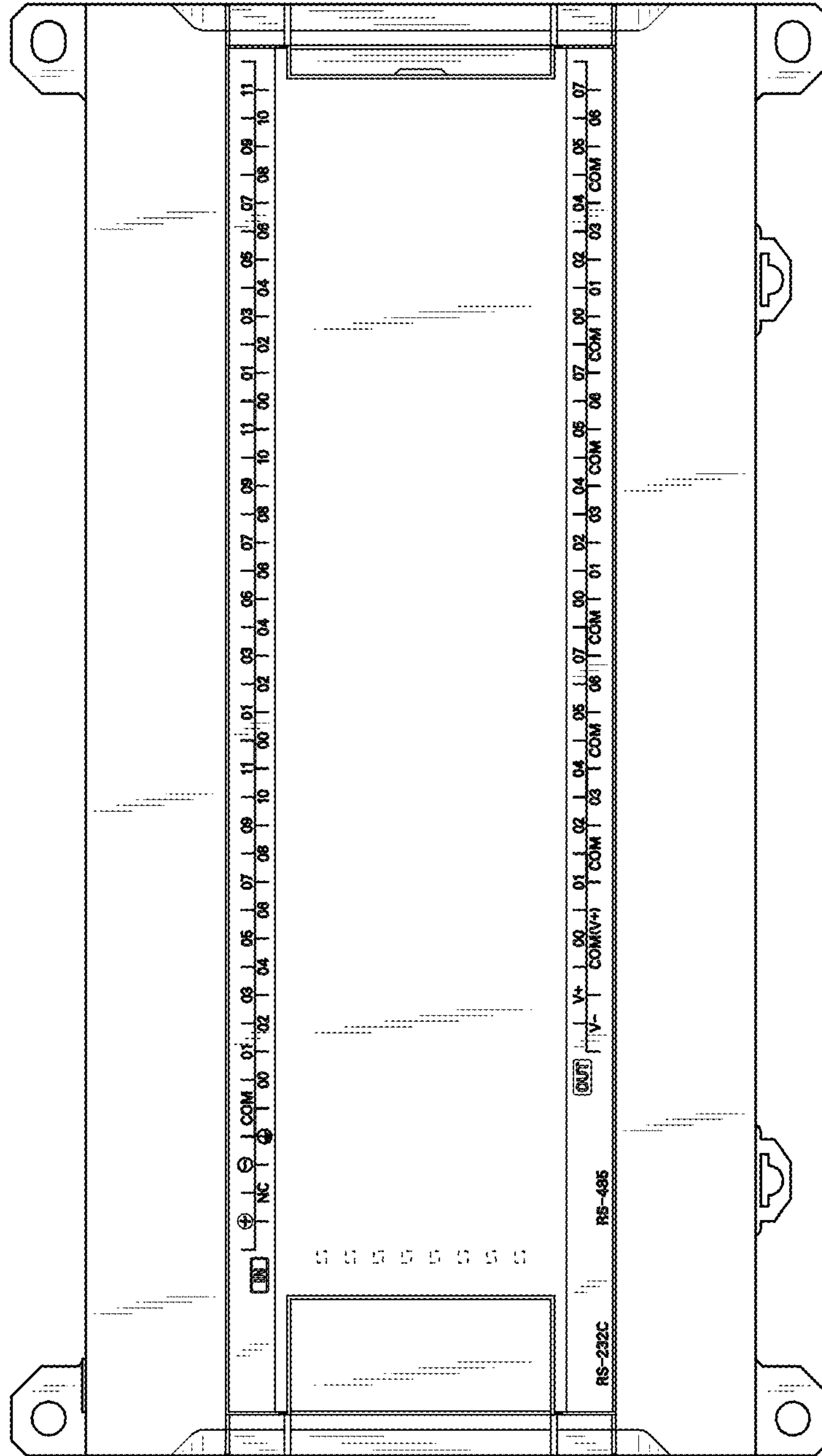


Fig. 3

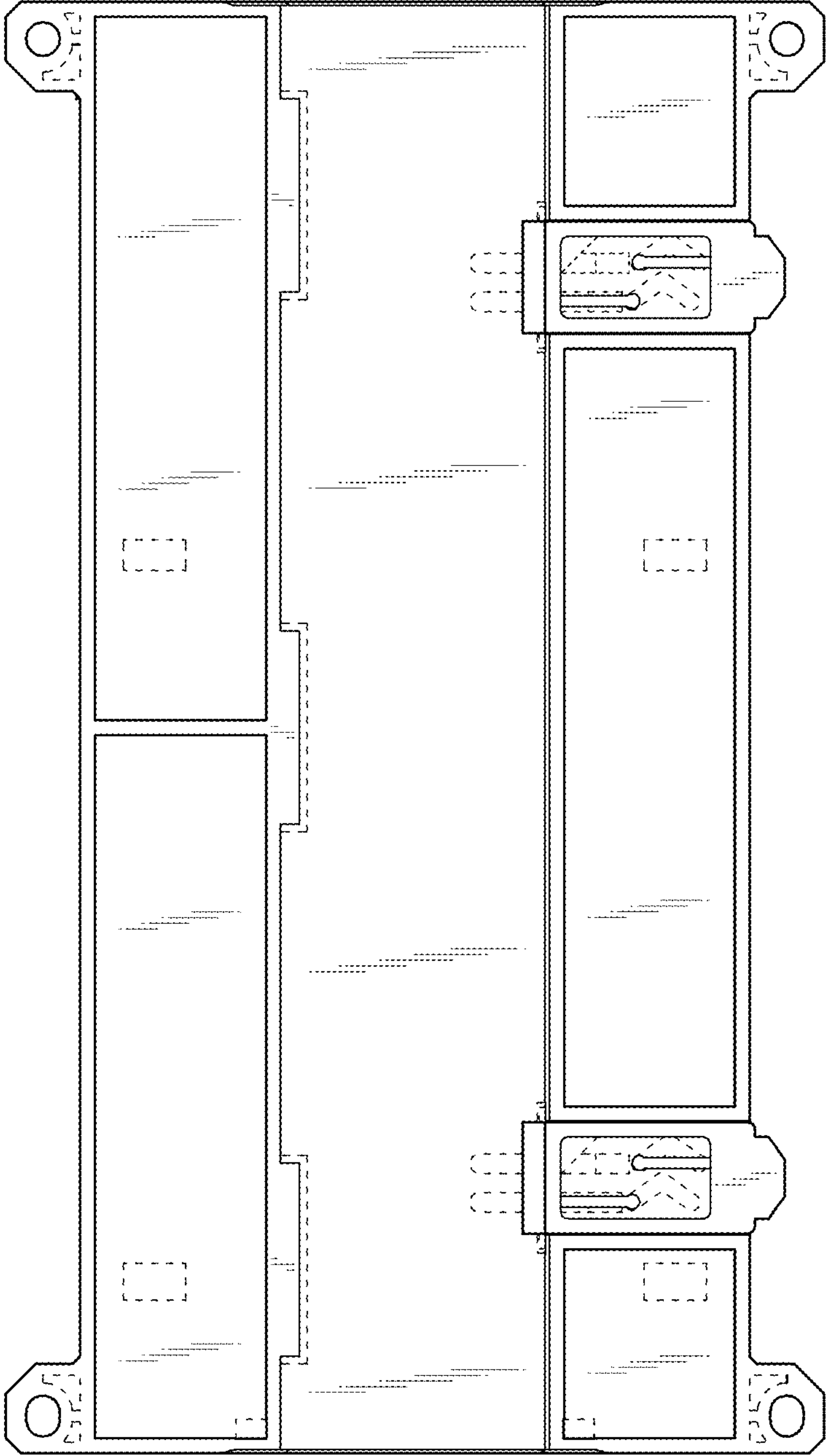


Fig. 4

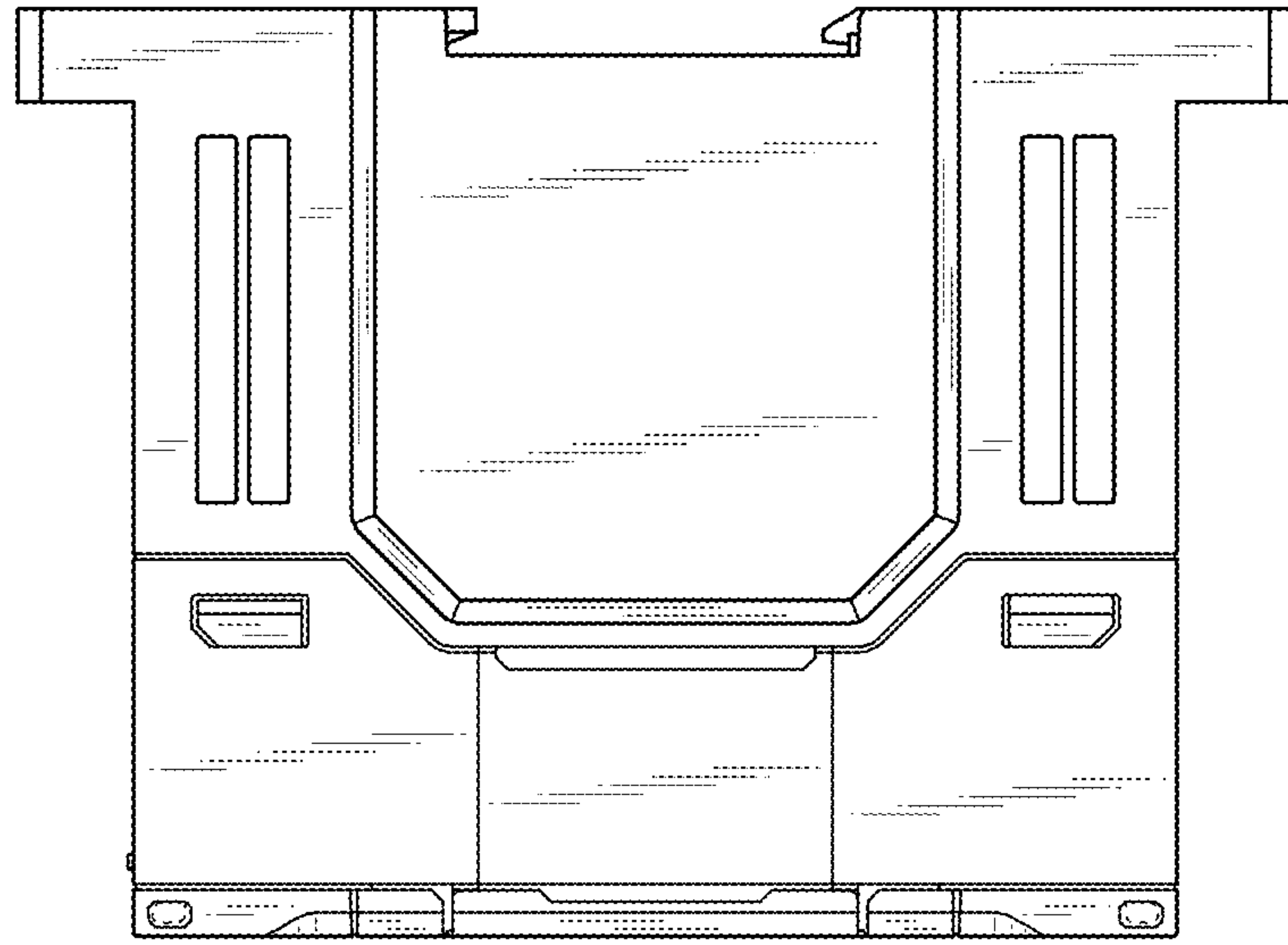


Fig. 6

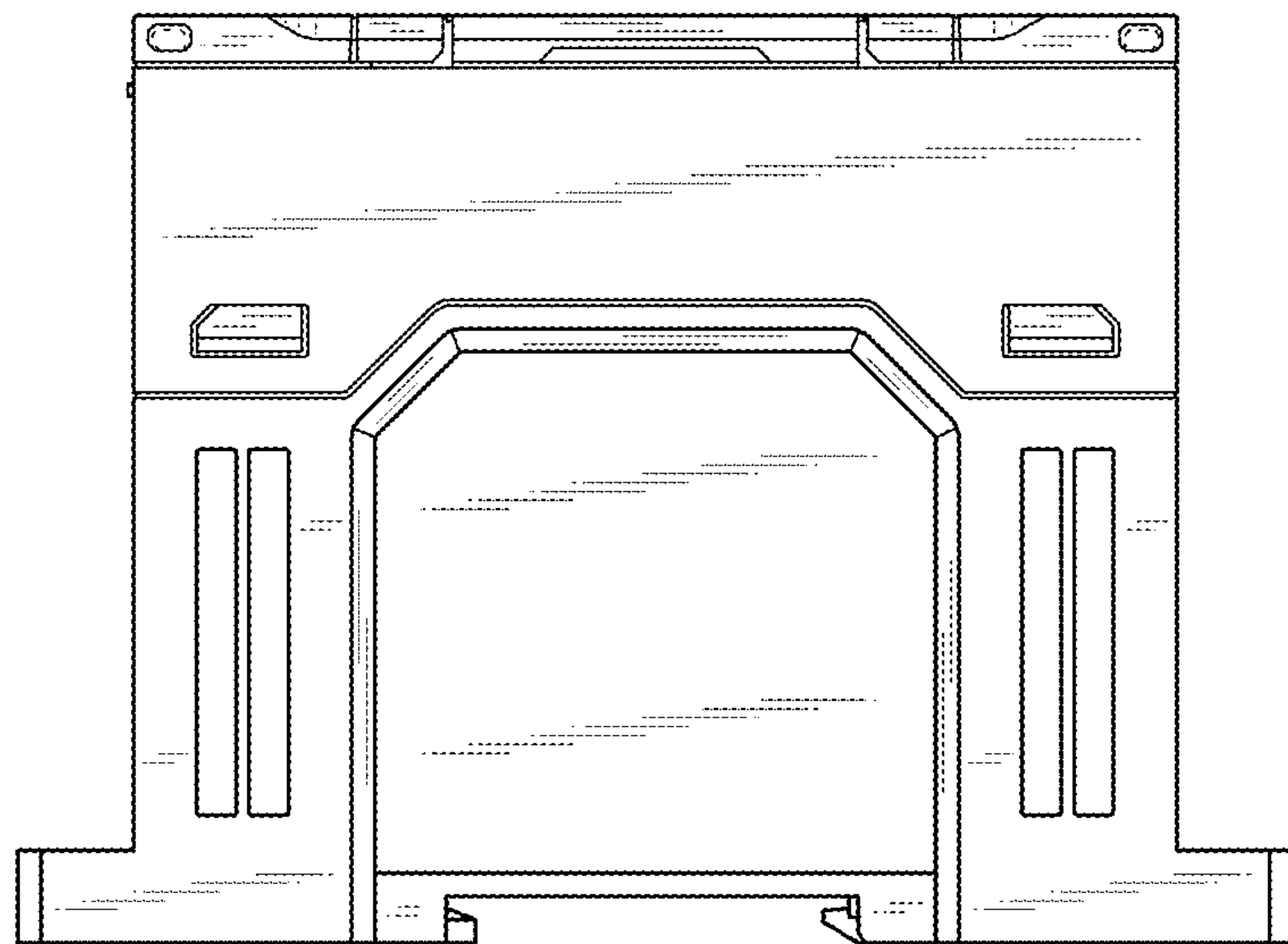


Fig. 5

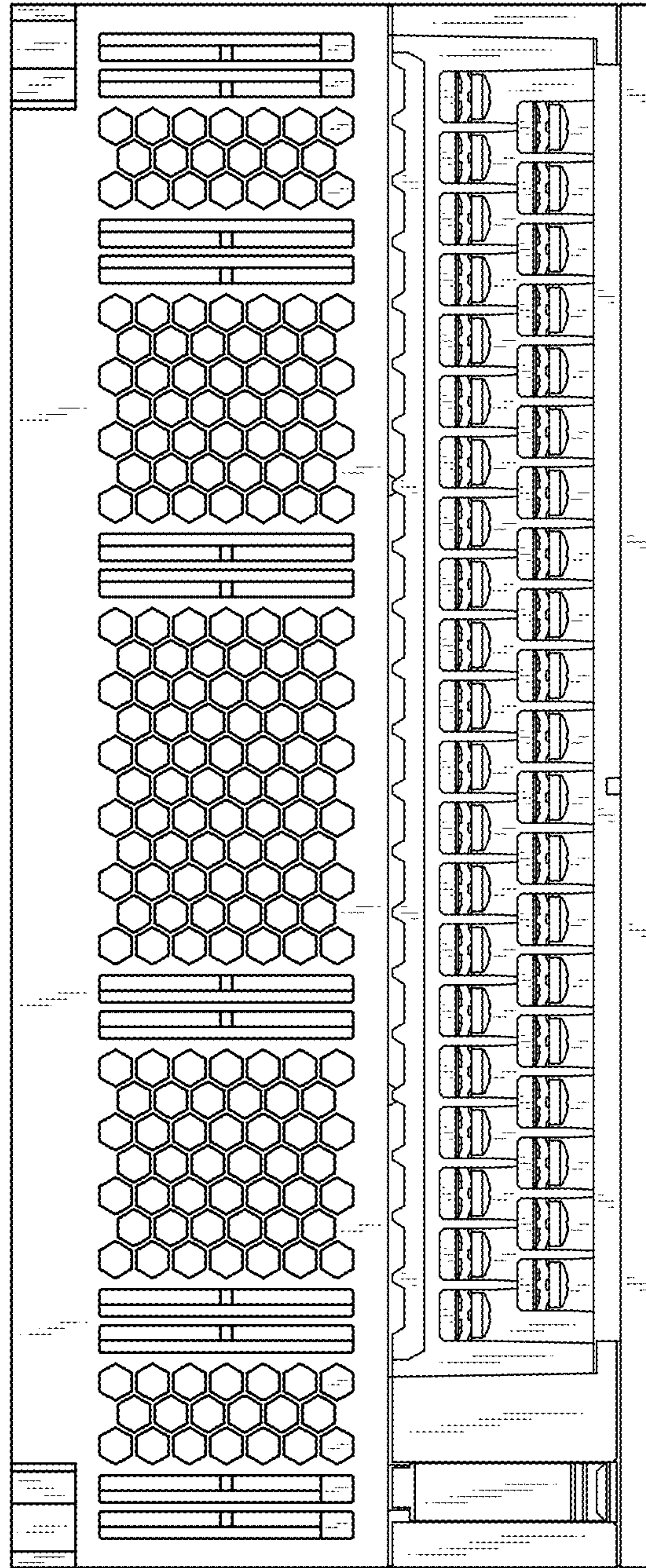


Fig. 7



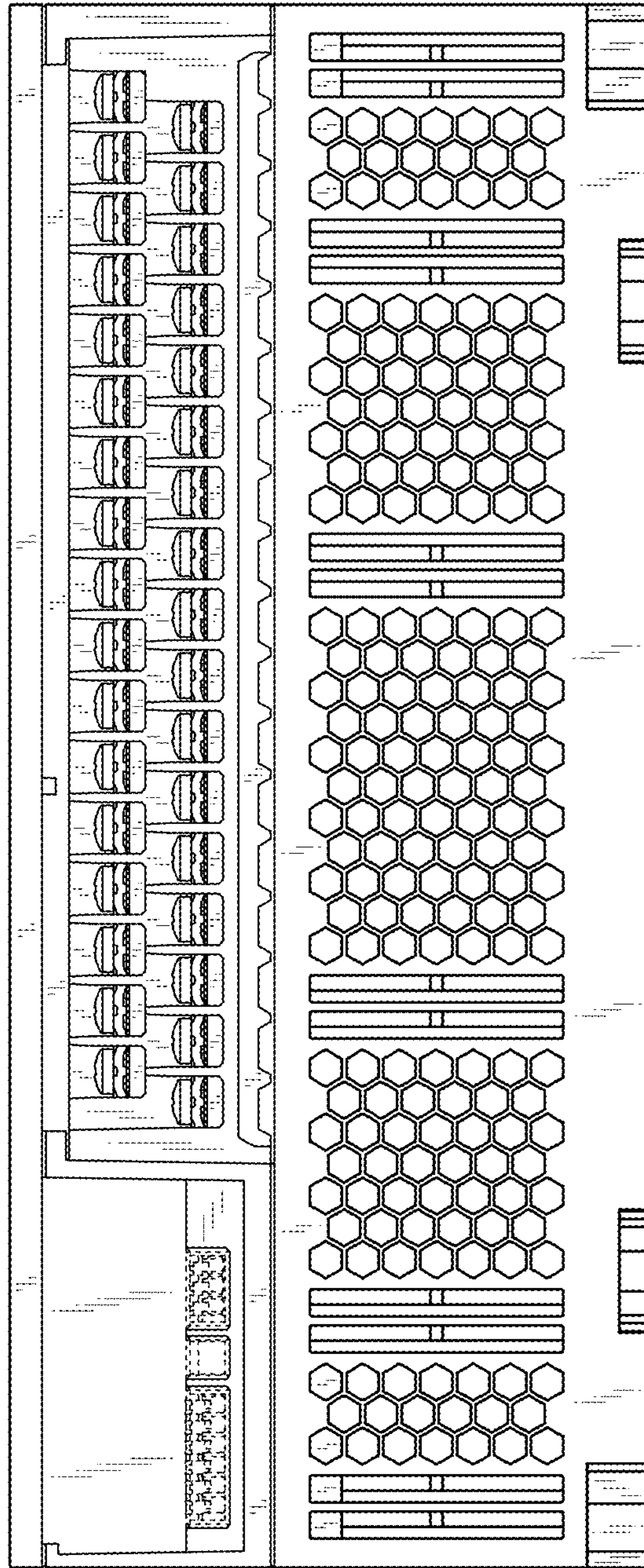


Fig. 8

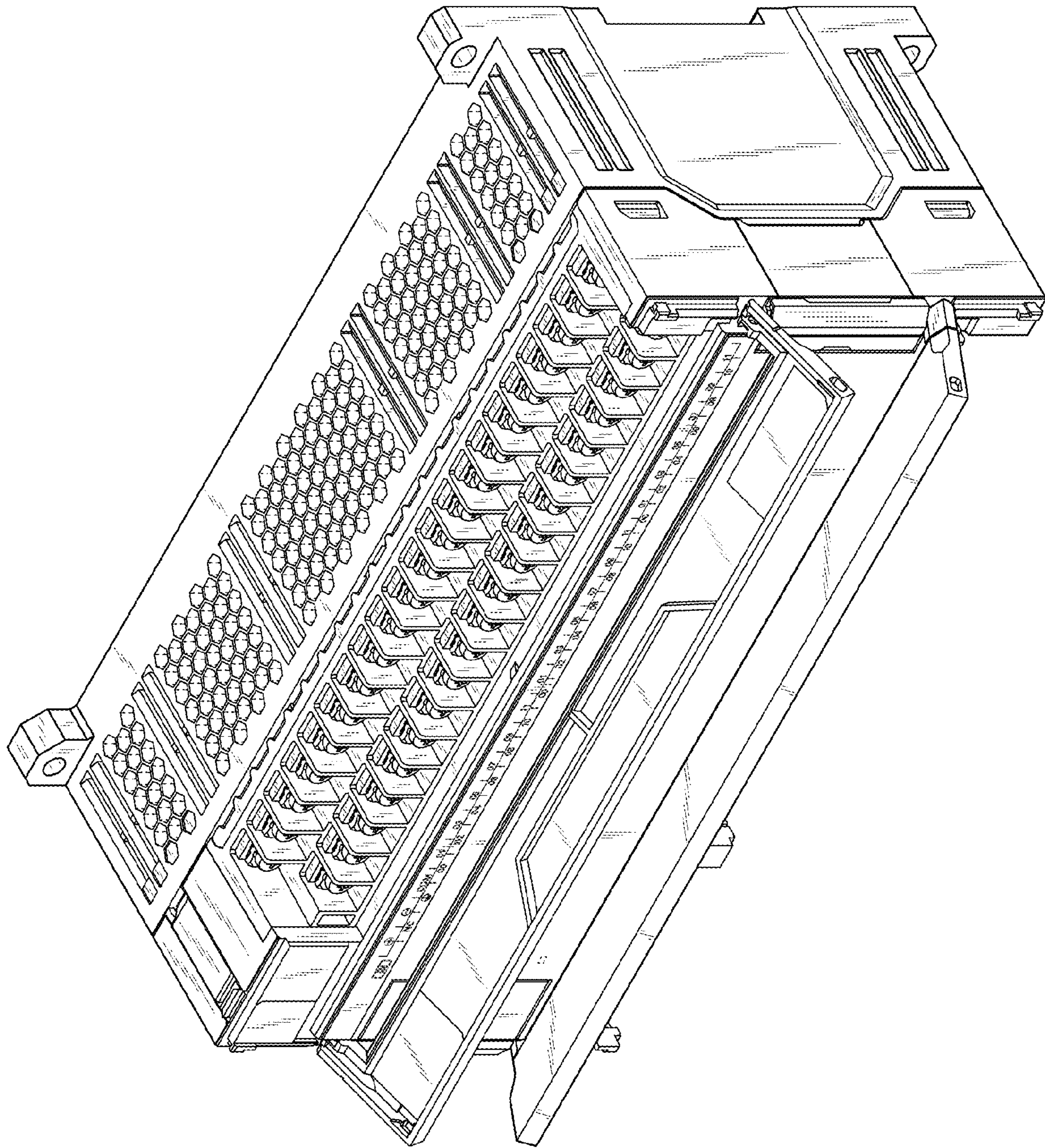


Fig. 9



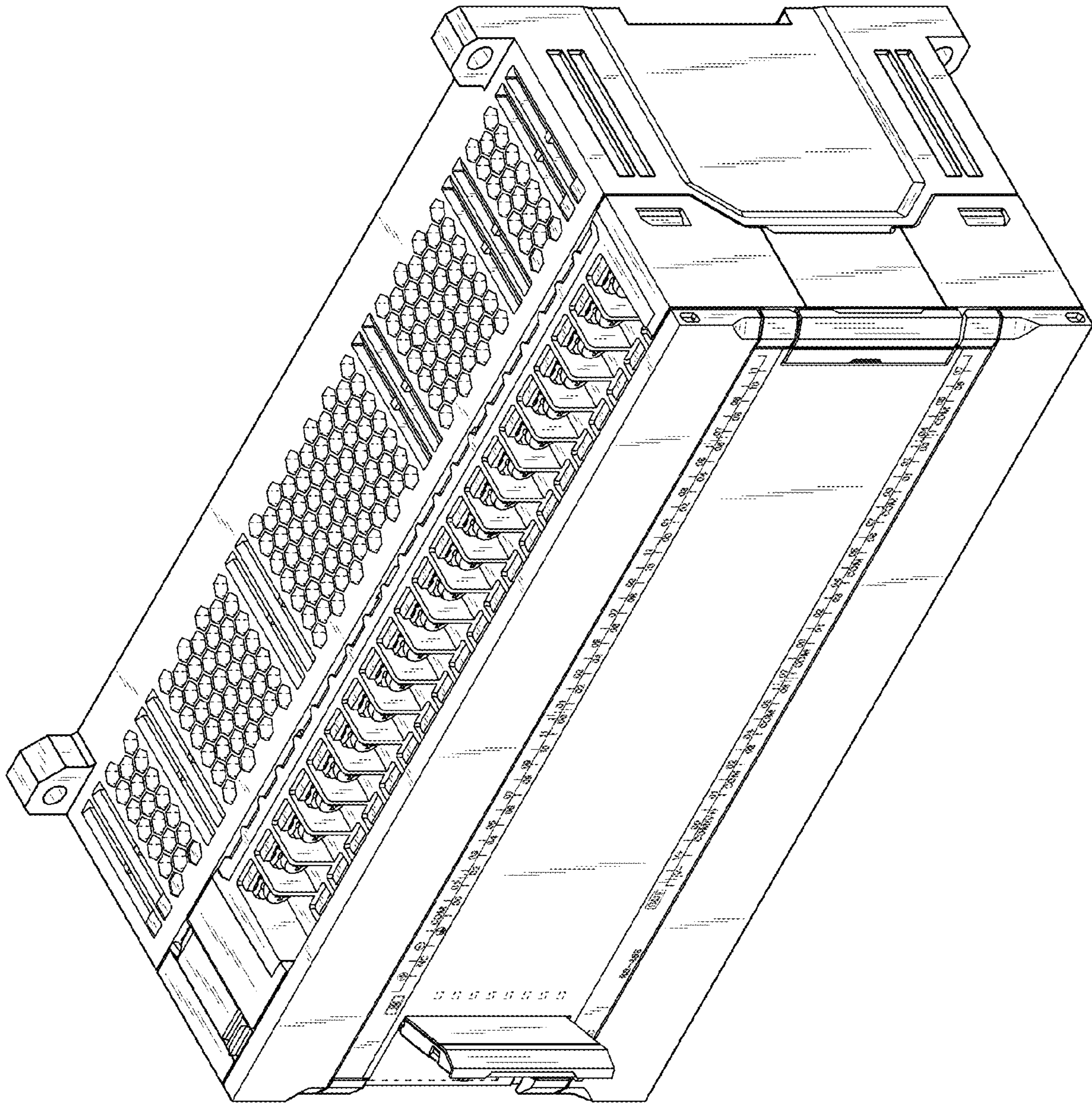


Fig. 10



Fig. 11

