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(12) **United States Design Patent**  
**Huhtakallio et al.**

(10) **Patent No.:** **US D988,996 S**  
(45) **Date of Patent:** **\*\* Jun. 13, 2023**

(54) **FREQUENCY CONVERTER**

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(73) Assignee: **Danfoss Power Electronics A/S,** Gråsten (DK)

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

(21) Appl. No.: **29/782,532**

(22) Filed: **May 7, 2021**

(30) **Foreign Application Priority Data**

Nov. 10, 2020 (EM) ..... 008263206

(51) **LOC (14) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/110**

(58) **Field of Classification Search**  
USPC ..... D13/110, 101, 118, 123, 162, 164, 184,  
D13/199; D15/149  
CPC ..... H02M 7/00; H02M 7/02; H02M 7/003;  
H05K 5/00; H05K 5/0017; H05K 5/04;  
H05K 5/0217; H05K 7/20; H05K  
7/20136; H05K 7/20209; H05K 7/20418;  
H05K 7/1432; G06F 1/20  
See application file for complete search history.

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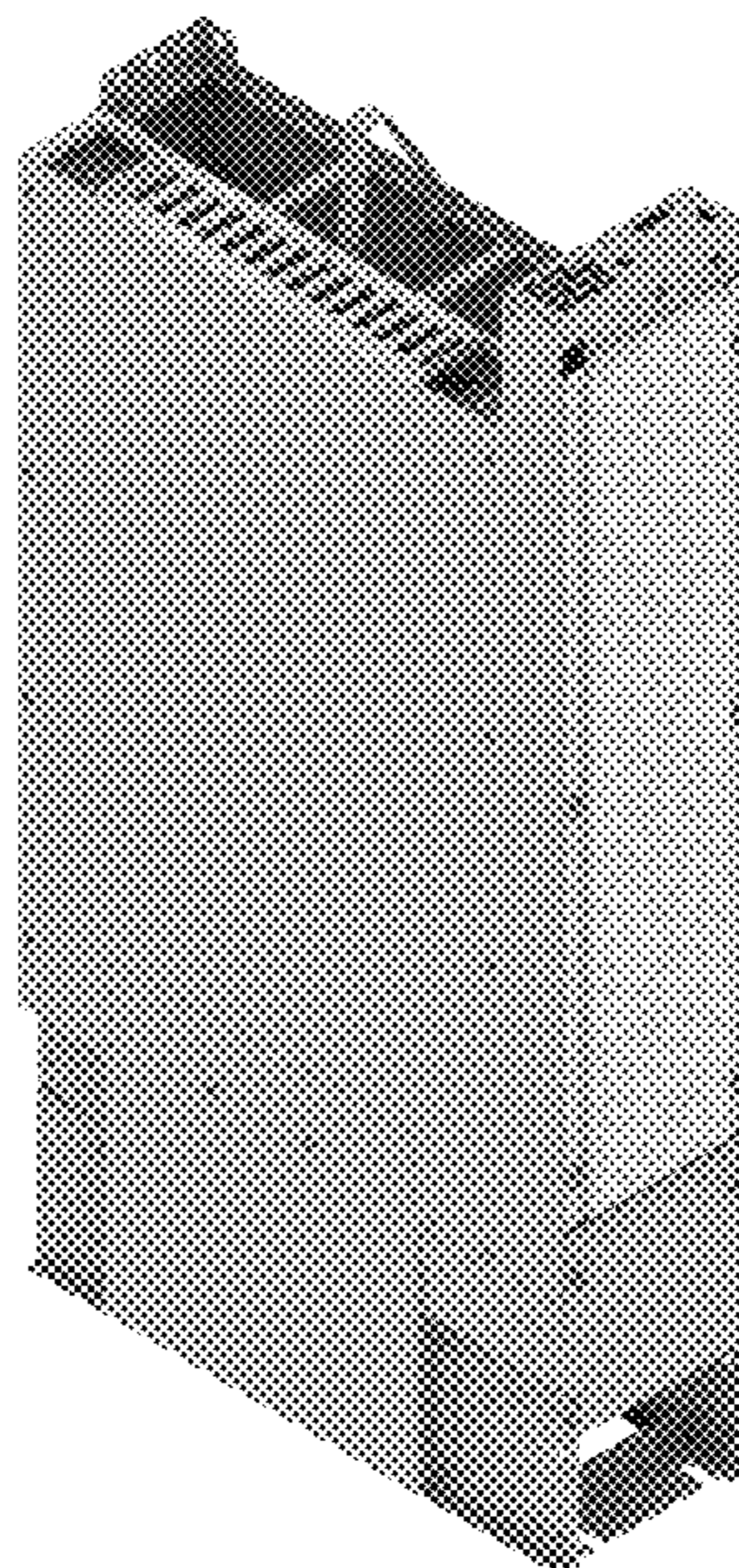
(57) **CLAIM**

The ornamental design for a frequency converter, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is a rear view of a frequency converter comprising a new, original and ornamental design;  
FIG. 2 is a bottom view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a front, left side and top perspective view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof; and  
FIG. 7 is a top view thereof;  
FIG. 8 is a rear view of frequency converter with internal components;  
FIG. 9 is a bottom view thereof;  
FIG. 10 is a front view thereof;  
FIG. 11 is a front, left side and top perspective view thereof;  
FIG. 12 is a left side view thereof;  
FIG. 13 is a right side view thereof; and,  
FIG. 14 is a top view thereof.

**1 Claim, 14 Drawing Sheets**



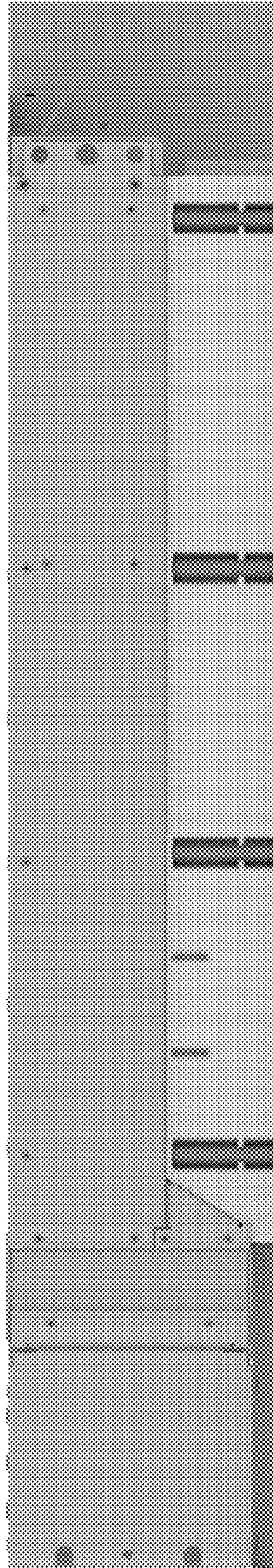


FIG. 1

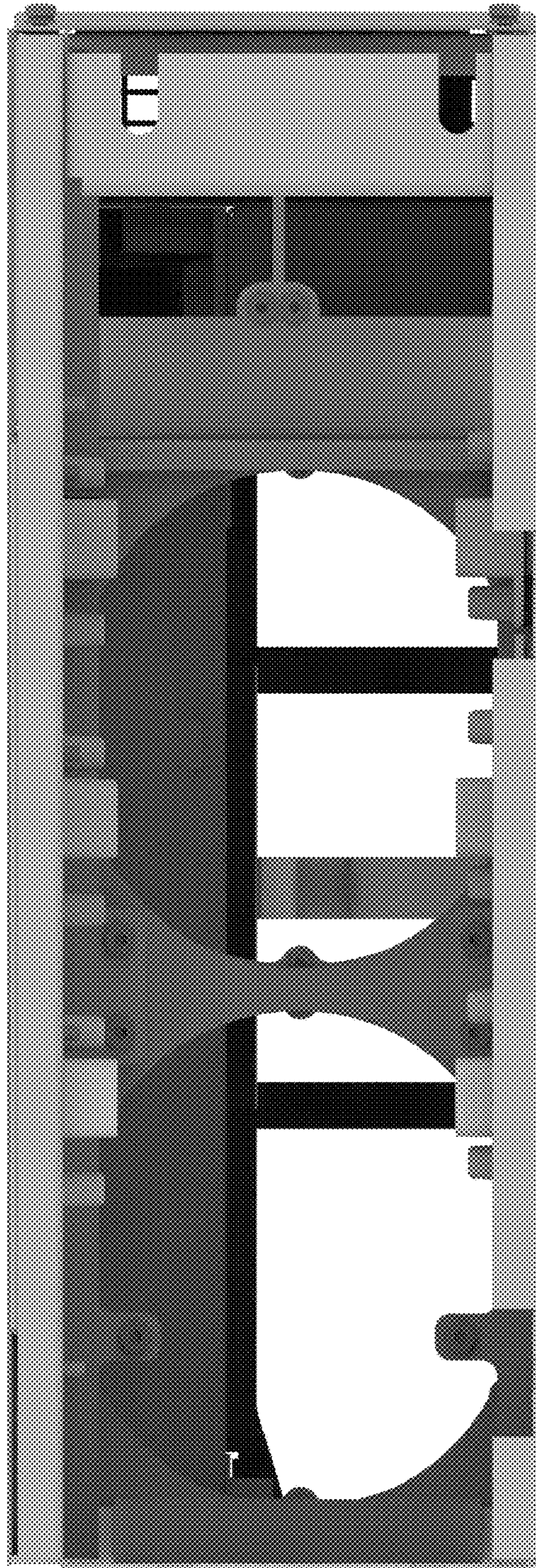


FIG. 2

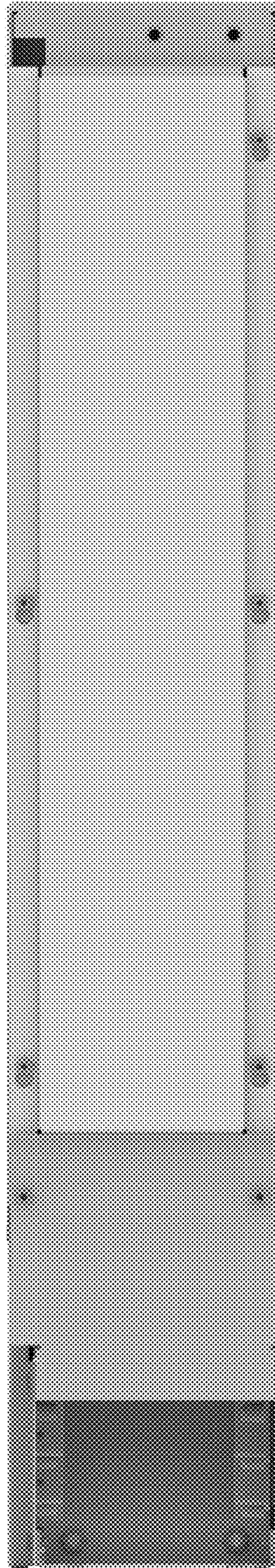


FIG. 3

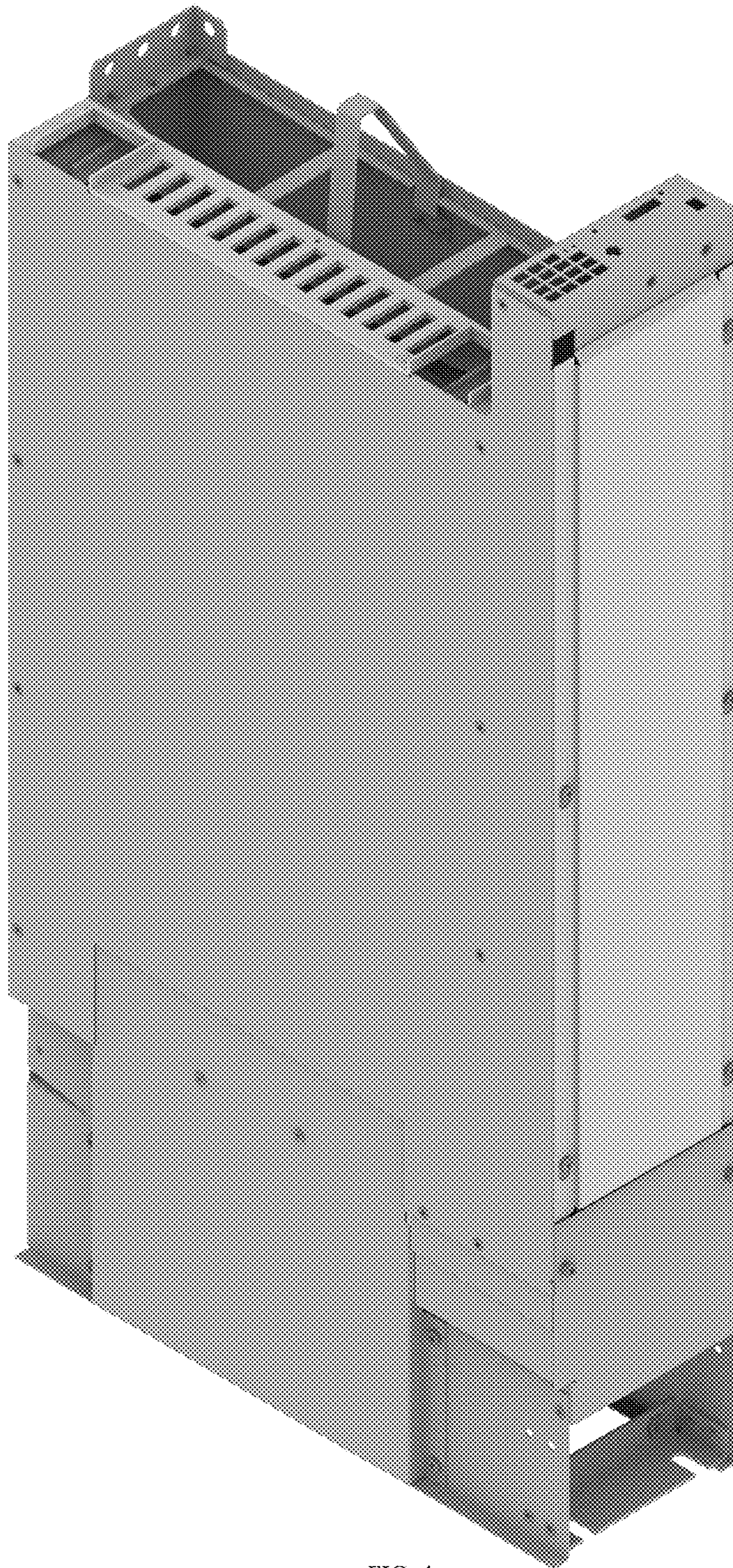


FIG. 4

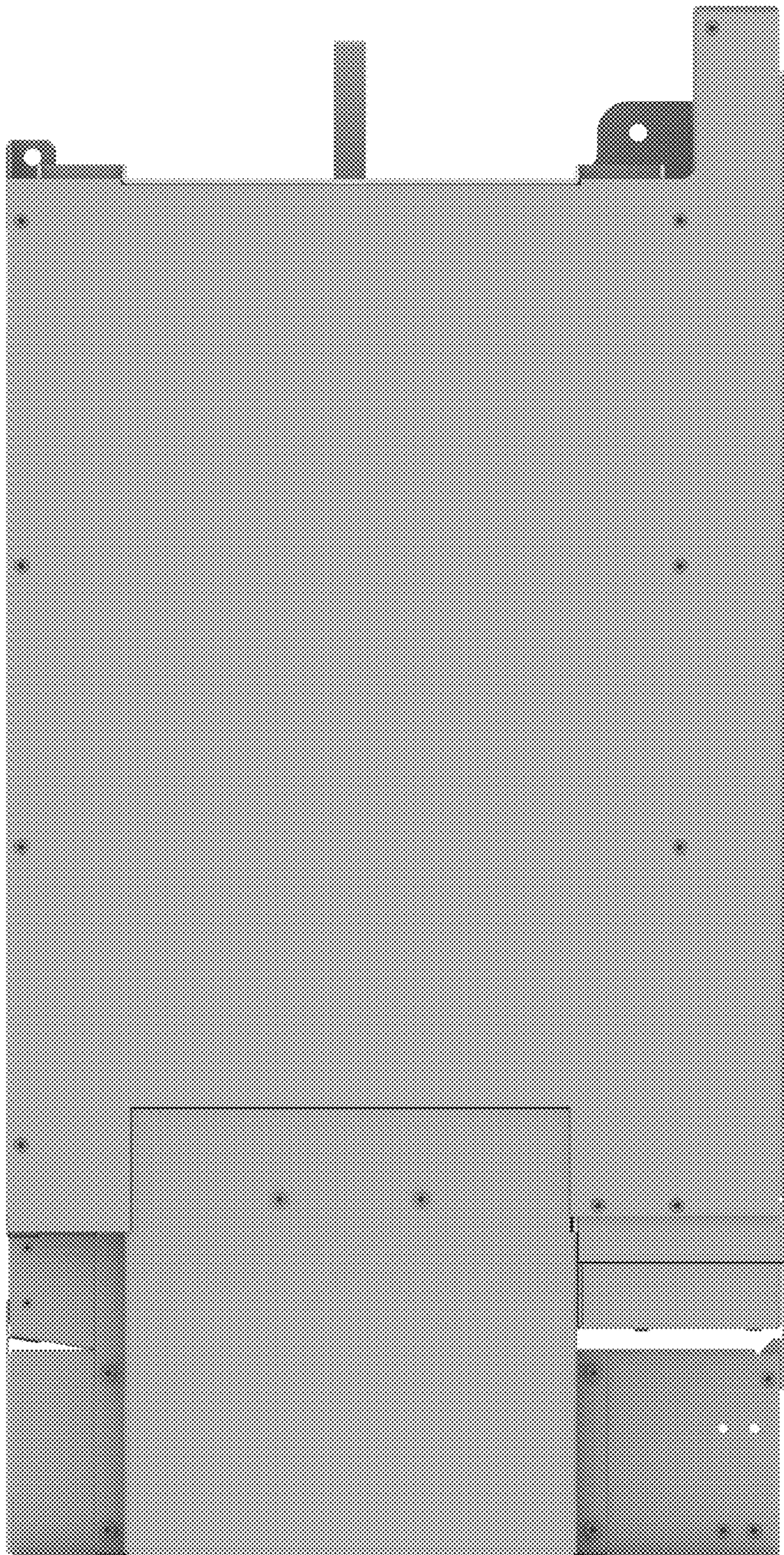


FIG. 5

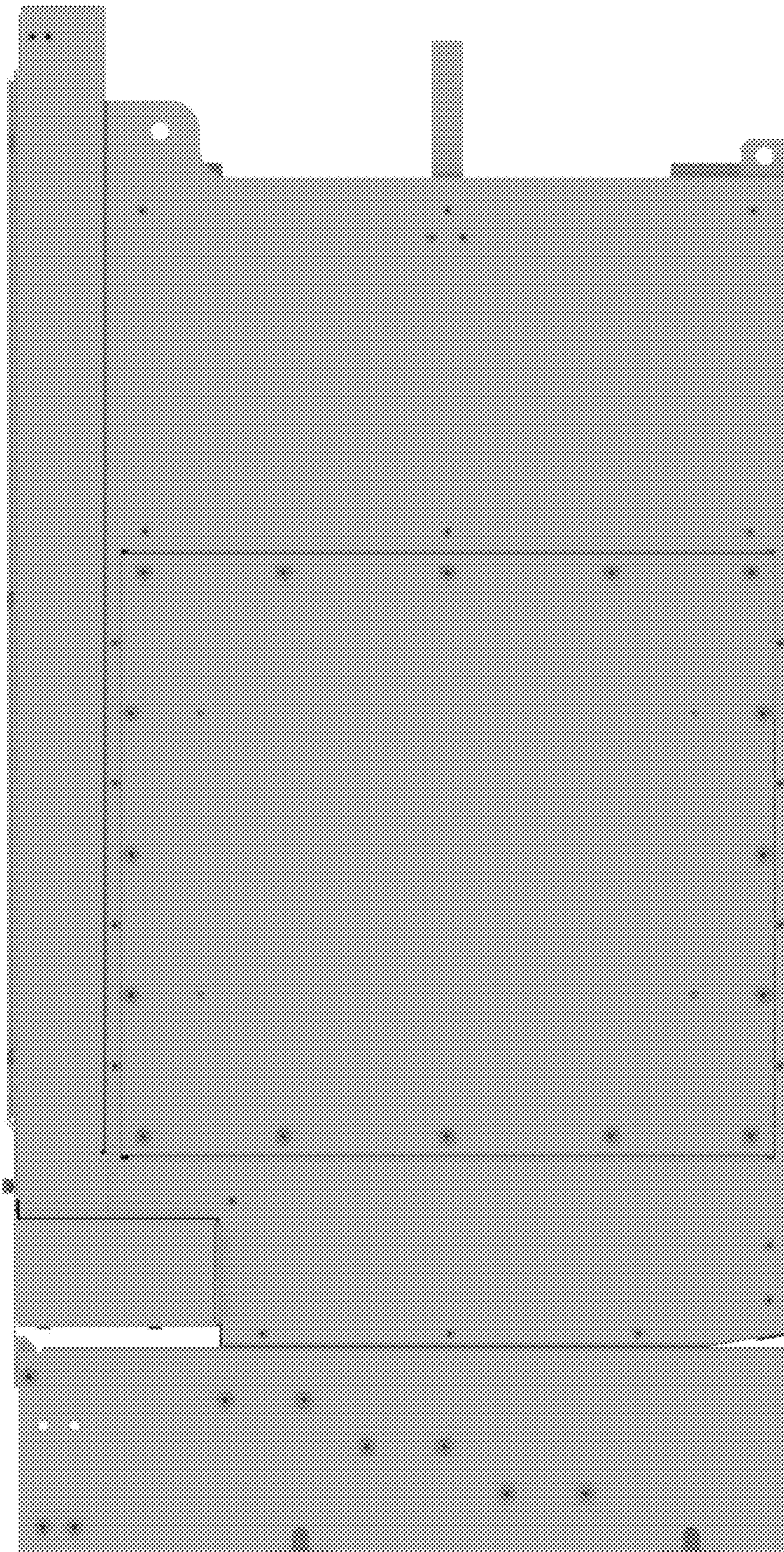


FIG. 6

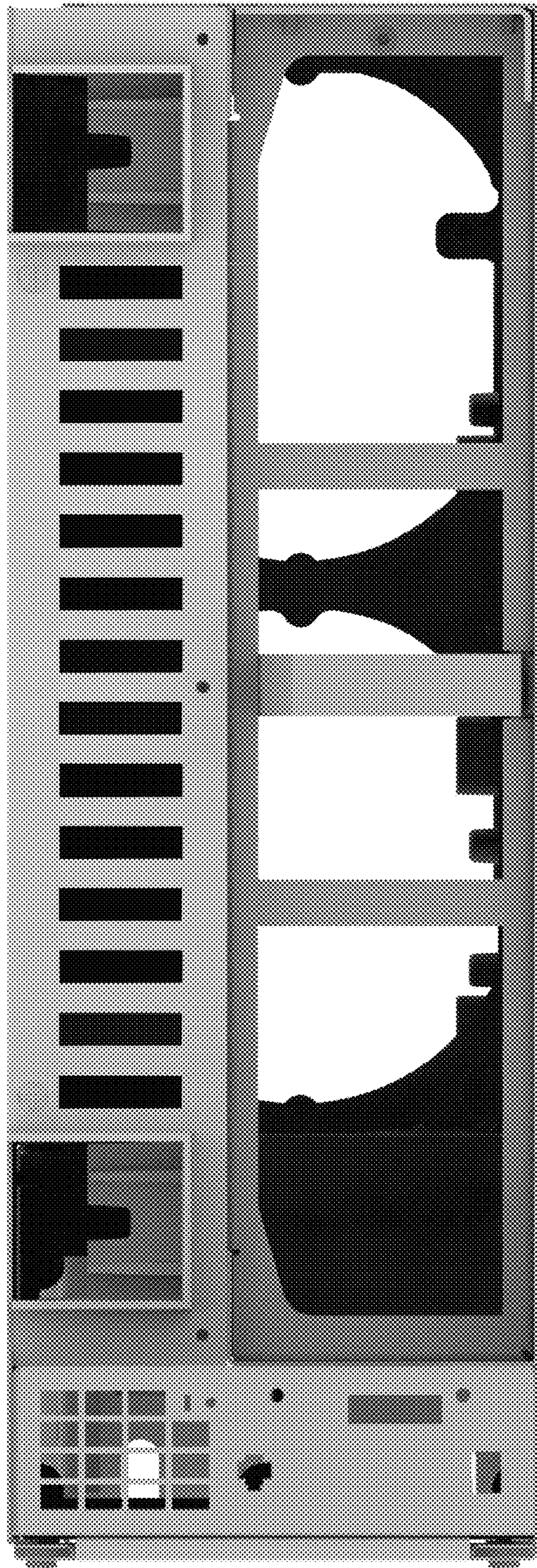


FIG. 7



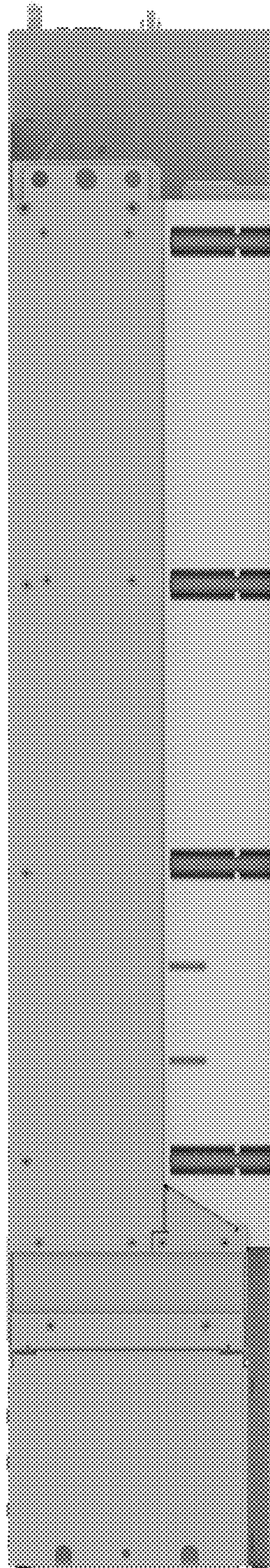


FIG. 8

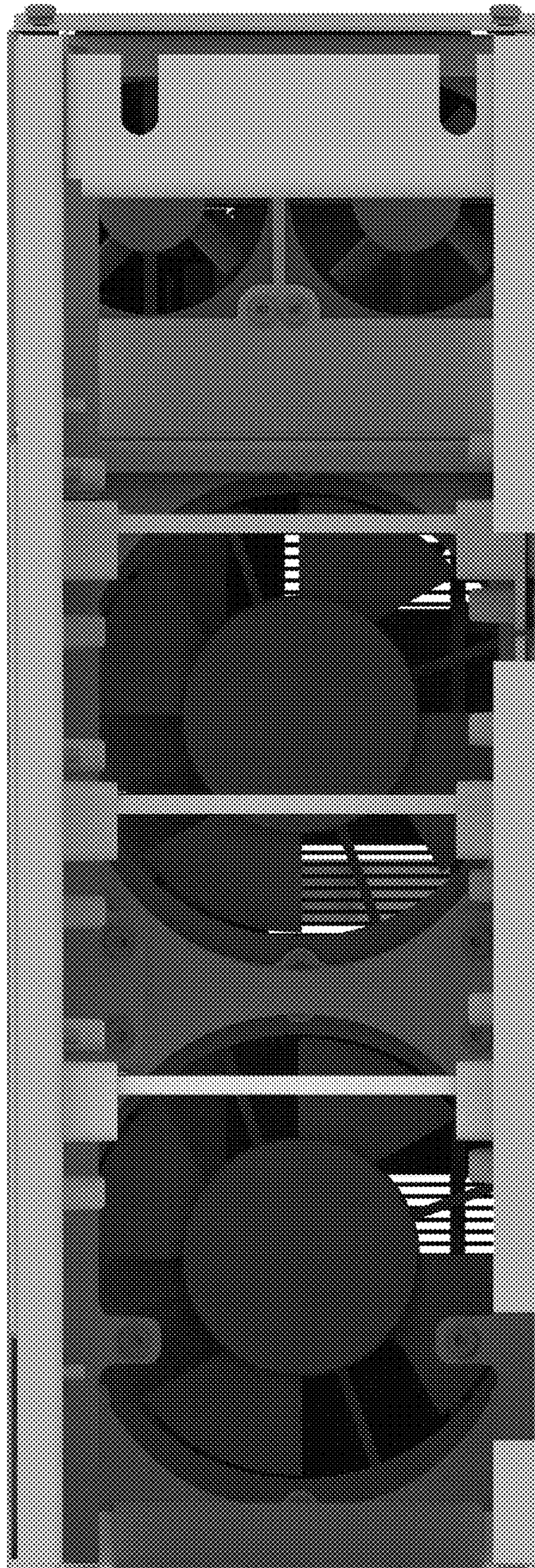


FIG. 9

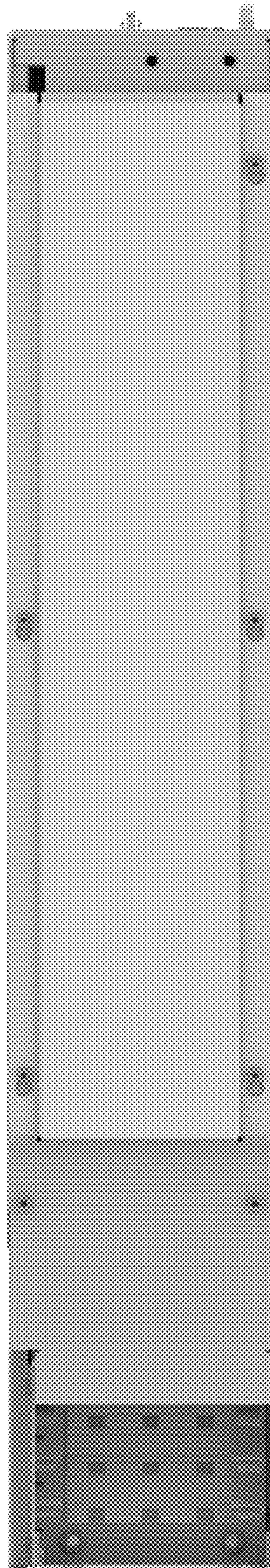


FIG. 10

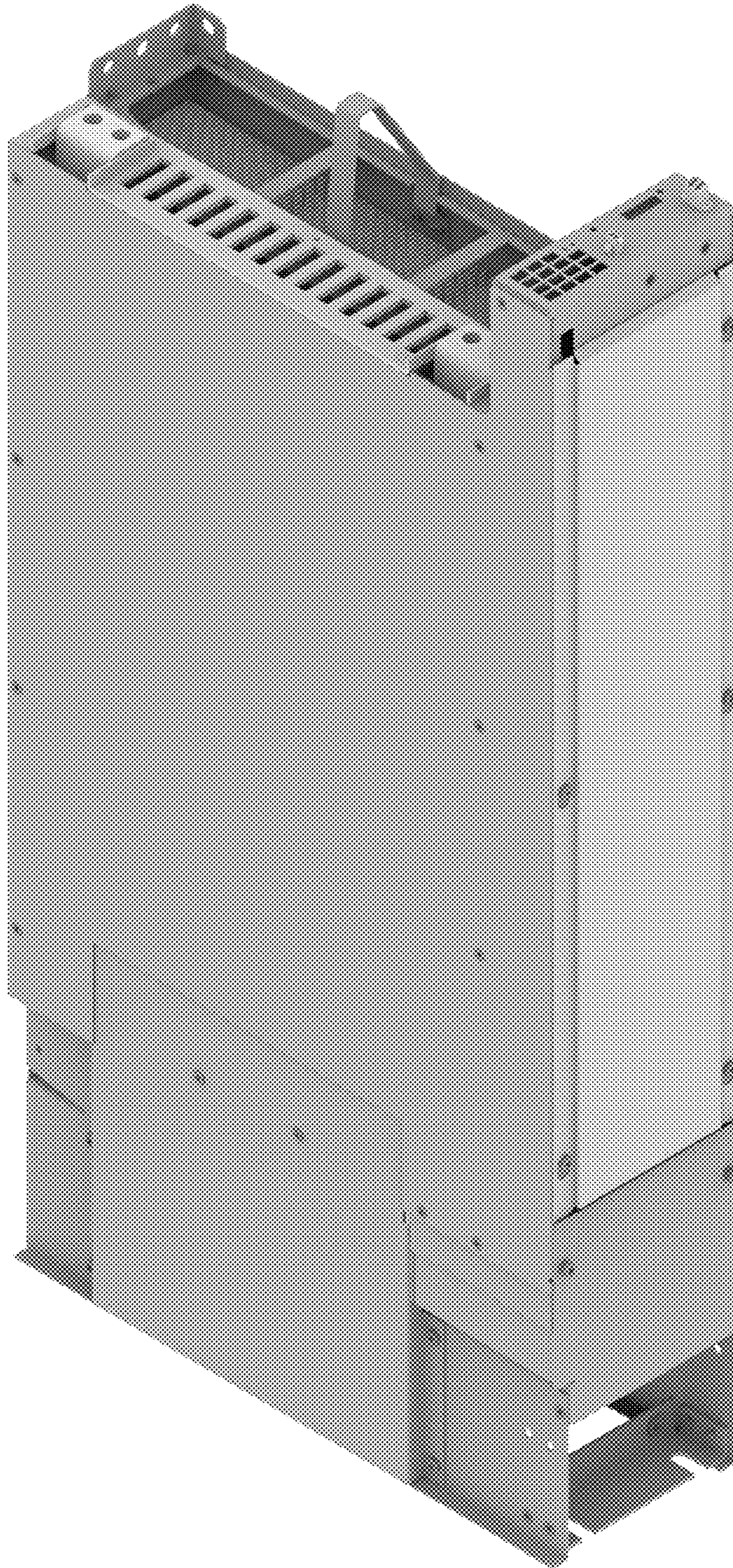


FIG. 11

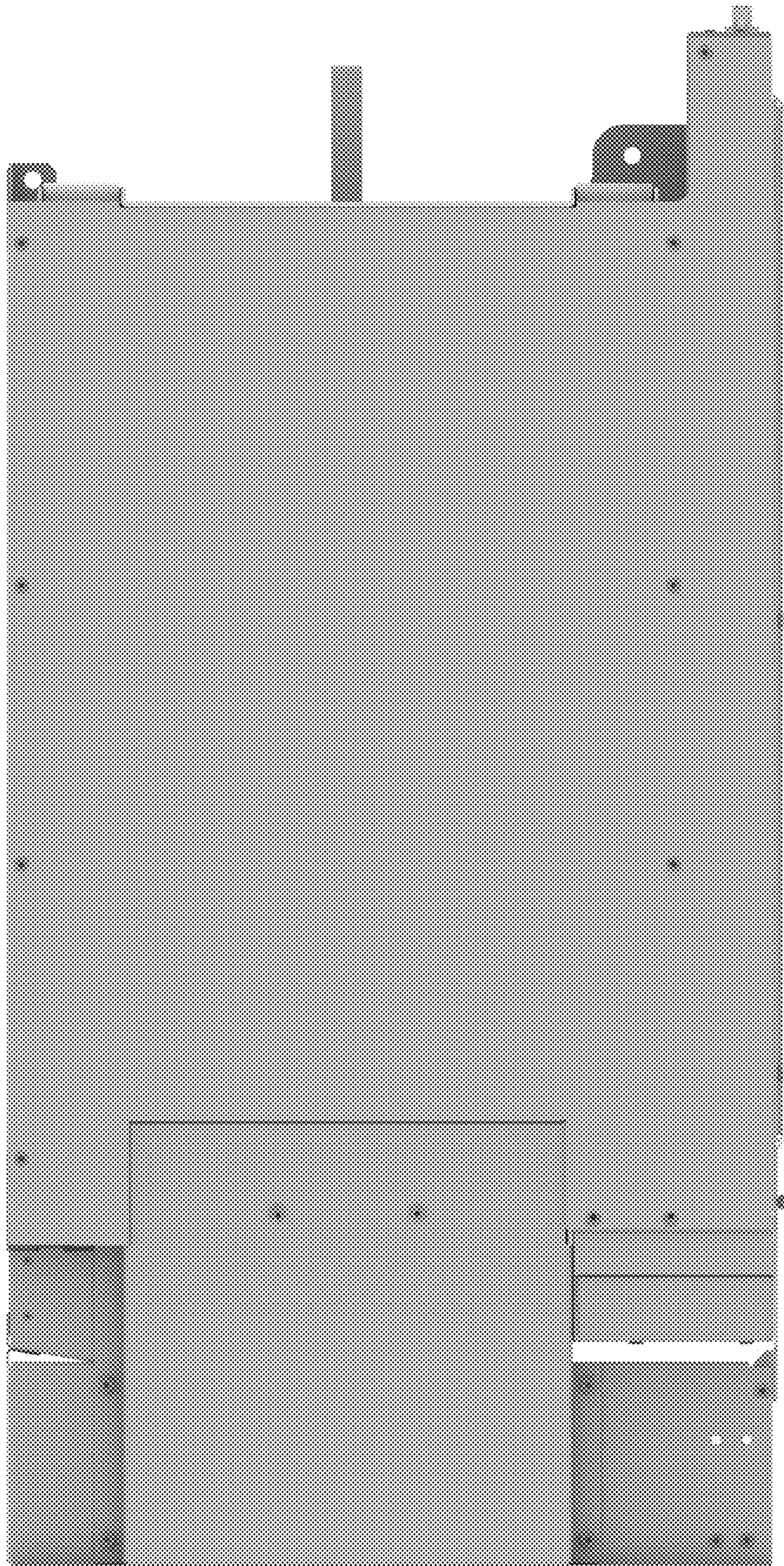


FIG. 12

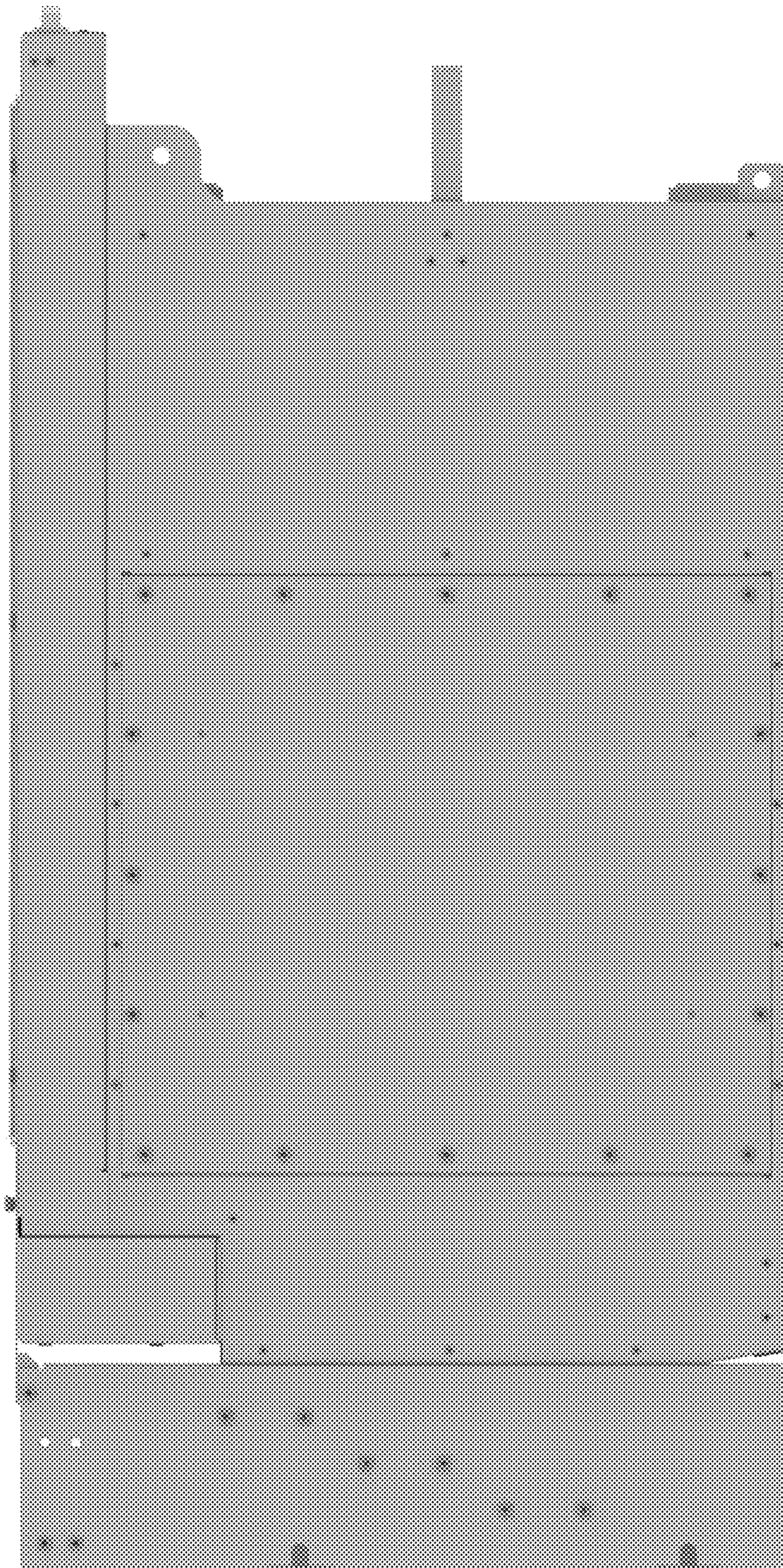


FIG. 13

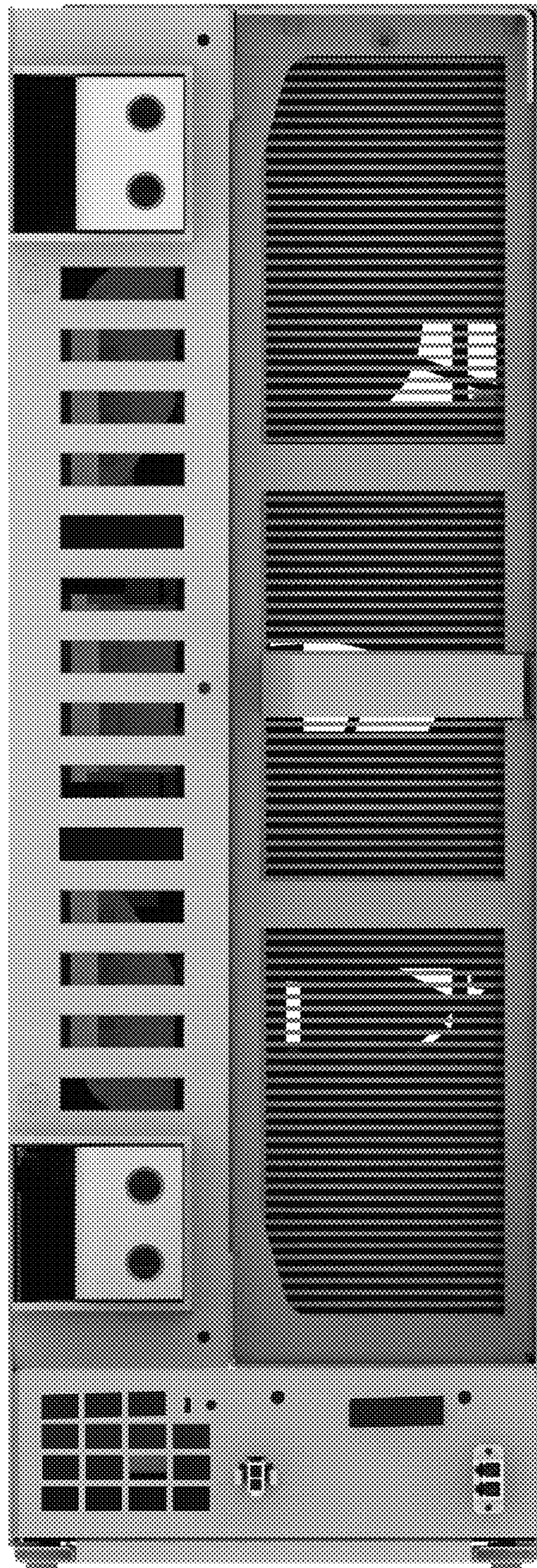


FIG. 14