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

(10) **Patent No.:** **US D902,842 S**  
(45) **Date of Patent:** **\*\* Nov. 24, 2020**

(54) **BIOELECTROCHEMICAL REACTOR**

(57) **CLAIM**

(71) Applicant: **Aquacycl LLC**, San Diego, CA (US)

The ornamental design for a bioelectrochemical reactor, as shown and described.

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**DESCRIPTION**

(73) Assignee: **Aquacycl LLC**, San Diego, CA (US)

FIG. 1 is a front perspective view of a bioelectrochemical reactor showing our new design, shown in an environment of use;

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

FIG. 2 is a side view of the bioelectrochemical reactor of FIG. 1;

(21) Appl. No.: **29/658,509**

FIG. 3 is a side view of the bioelectrochemical reactor of FIG. 1 opposite the side view shown in FIG. 2;

(22) Filed: **Jul. 31, 2018**

FIG. 4 is an end view of the bioelectrochemical reactor of FIG. 1;

(51) **LOC (12) Cl.** ..... **13-02**

FIG. 5 is an end view of the bioelectrochemical reactor of FIG. 1 opposite the end view shown in FIG. 4;

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

USPC ..... **D13/101**

FIG. 6 is a top view of the bioelectrochemical reactor of FIG. 1;

(58) **Field of Classification Search**

USPC ..... D13/100–103, 107–110, 112–114, 184, D13/199

FIG. 7 is a bottom view of the bioelectrochemical reactor of FIG. 1;

(Continued)

FIG. 8 is an exploded perspective view of the bioelectrochemical reactor of FIG. 1;

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(Continued)

FIG. 9 is a front perspective view of bioelectrochemical reactor, shown with the environmental subject matter removed;

FIG. 10 is a side view of the bioelectrochemical reactor of FIG. 9;

FIG. 11 is a side view of the bioelectrochemical reactor of FIG. 9 opposite the side view shown in FIG. 10;

FIG. 12 is an end view of the bioelectrochemical reactor of FIG. 9;

FIG. 13 is an end view of the bioelectrochemical reactor of FIG. 9 opposite the end view shown in FIG. 12;

FIG. 14 is a top view of the bioelectrochemical reactor of FIG. 9; and,

FIG. 15 is a bottom view of the bioelectrochemical reactor of FIG. 9.

The broken lines in the FIGS. 1-8 represent environmental subject matter which forms no part of the claimed design.

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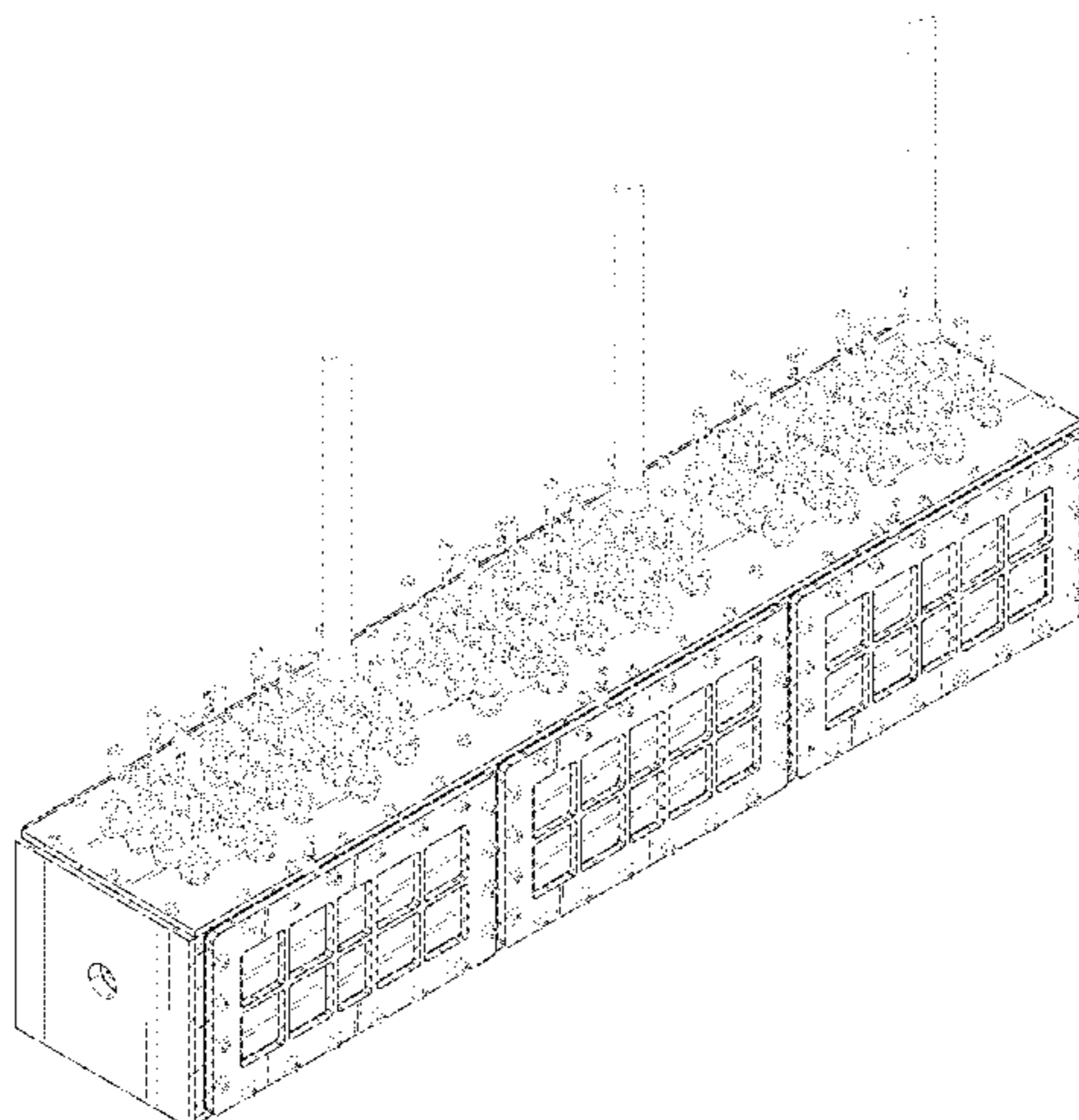
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*Primary Examiner* — Catherine S Posthauer

*Assistant Examiner* — Alison M Ofstun

(74) *Attorney, Agent, or Firm* — Perkins Coie LLP



The broken lines in FIGS. 9-15 represent portions of the article which for no part of the claimed design.

**1 Claim, 15 Drawing Sheets**

**(58) Field of Classification Search**

CPC ..... H02J 7/0042; H02J 7/0045; H02J 7/0052;  
 H01R 31/06; H01R 24/38; H01L 31/042;  
 H01L 31/045; H01L 31/046; H01L  
 31/048; H01L 31/05; H01L 31/052; H01L  
 31/0525; H02S 30/00; H02S 20/10; H02S  
 20/23; H02S 20/30; H02S 40/34; H02S  
 40/44; F03G 6/00; F03G 6/001; F03G  
 6/06; C02F 9/00

See application file for complete search history.

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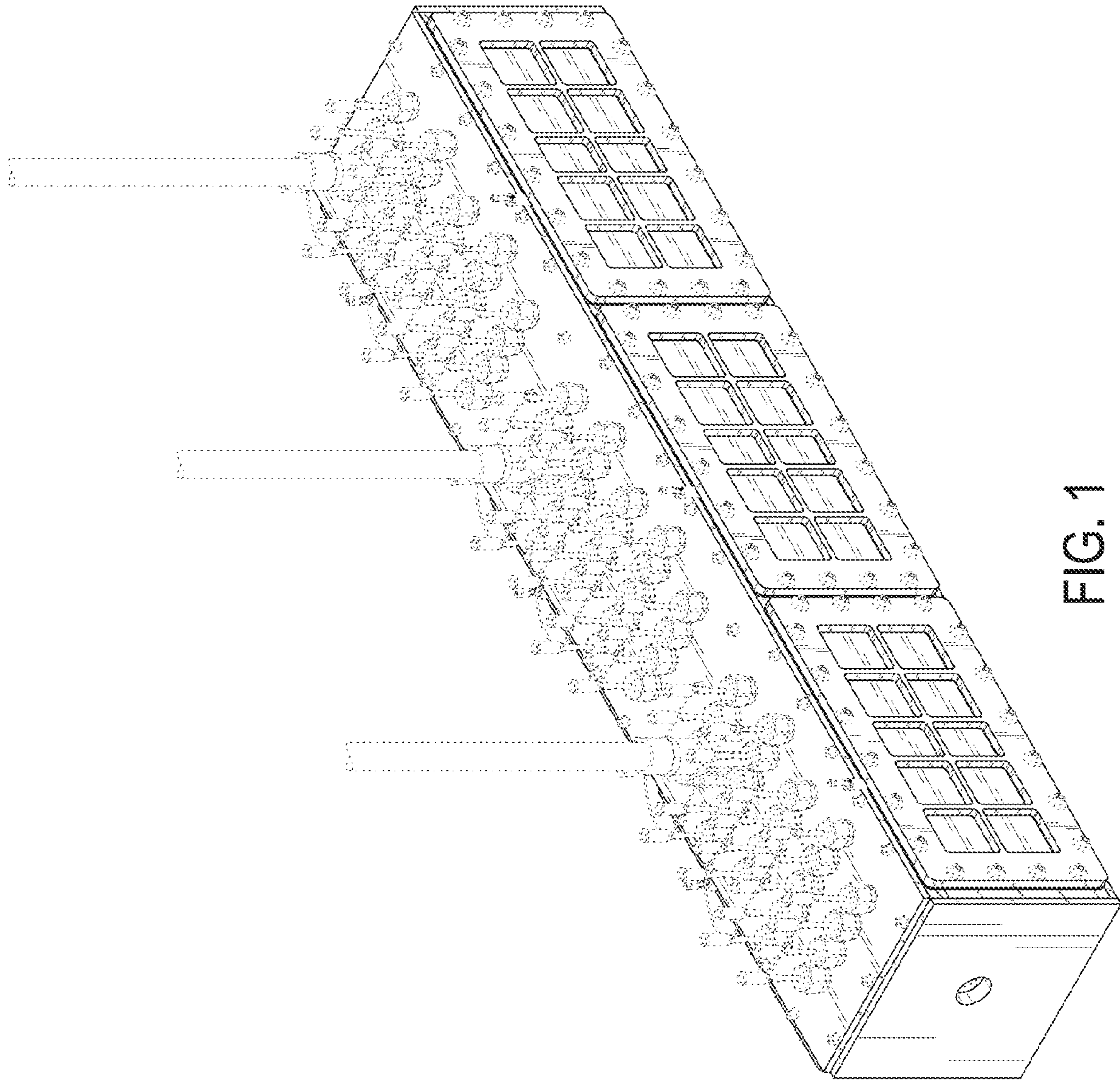


FIG. 1



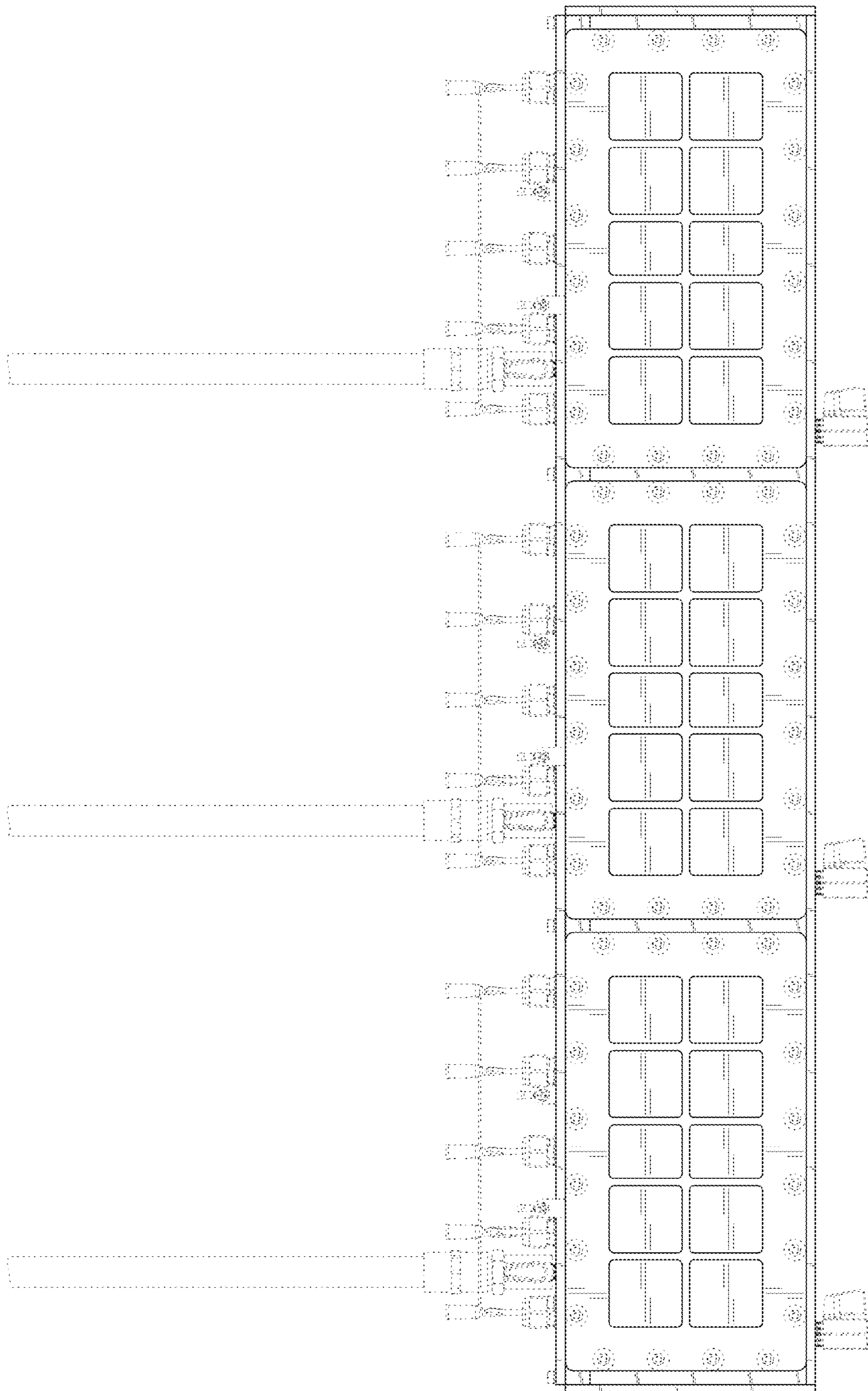


FIG. 2

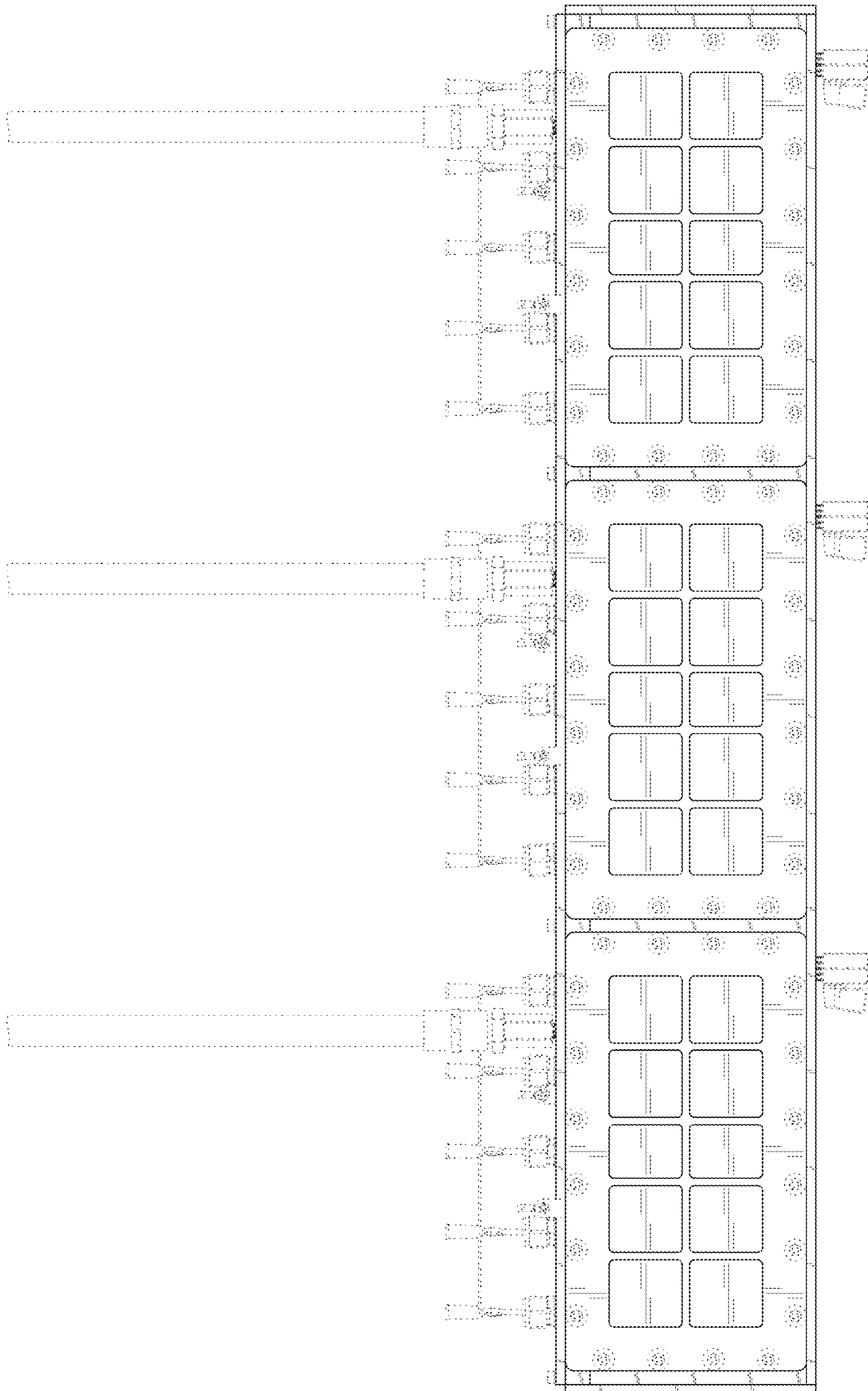


FIG. 3

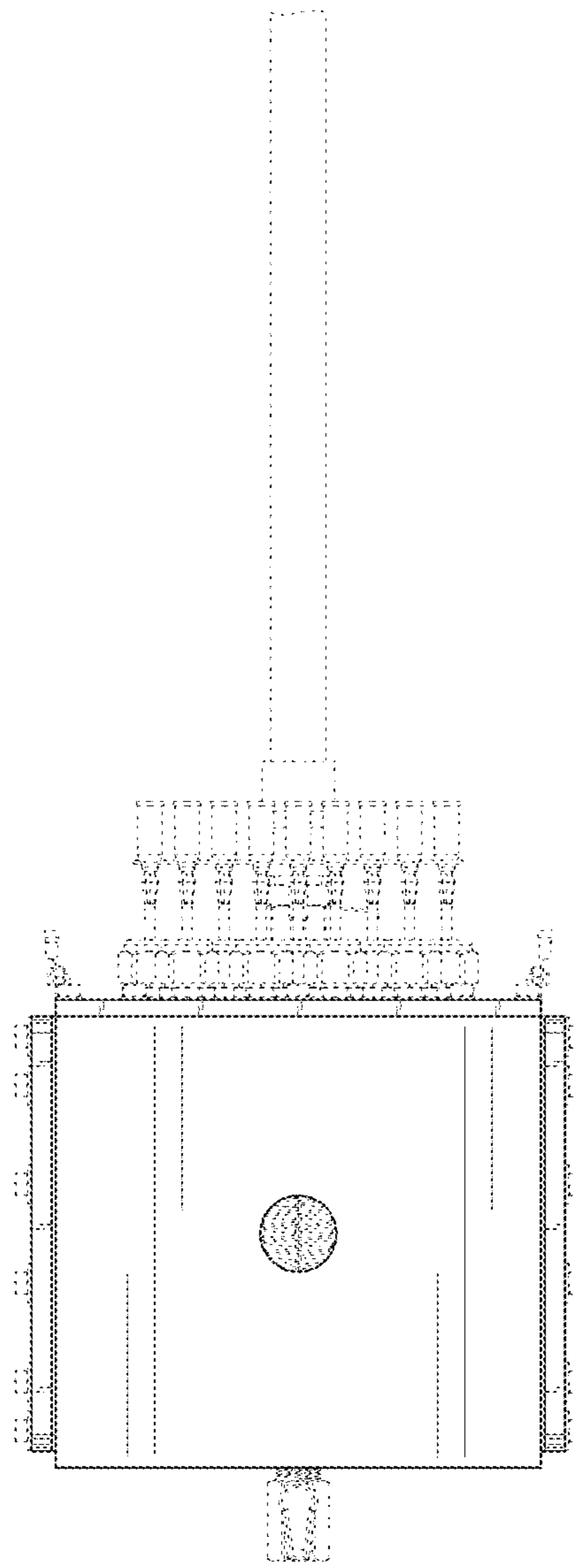


FIG. 4

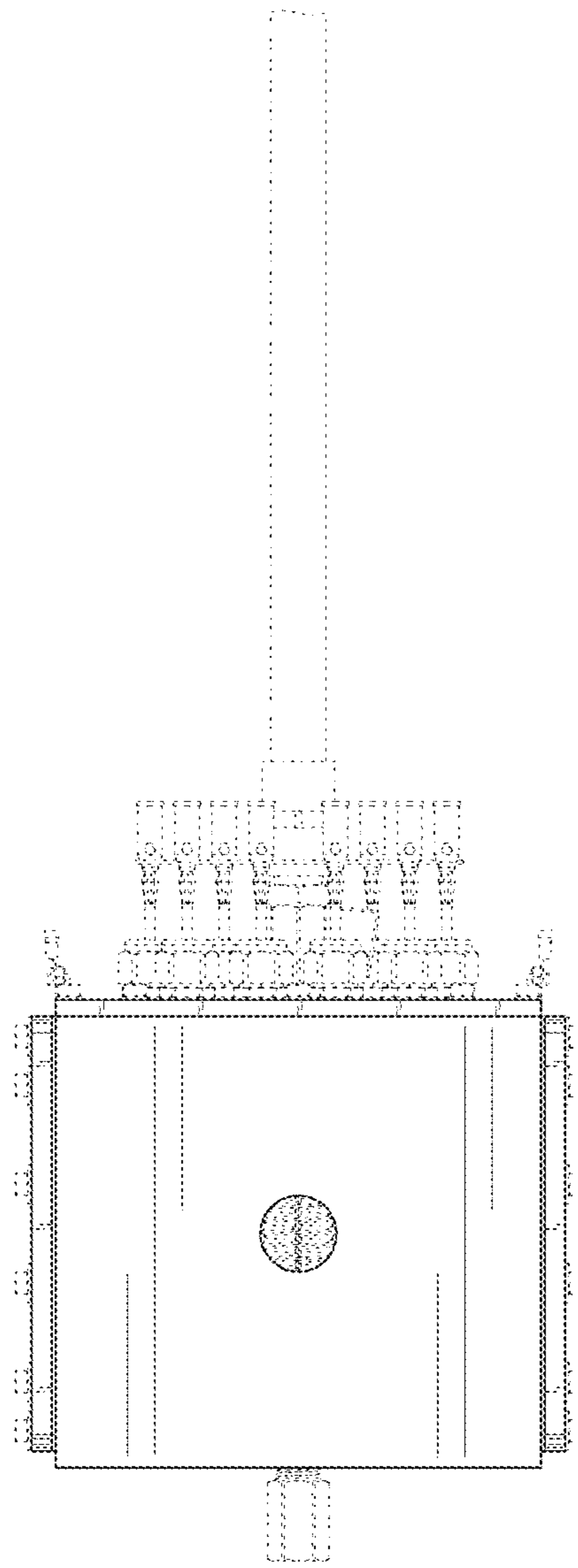


FIG. 5

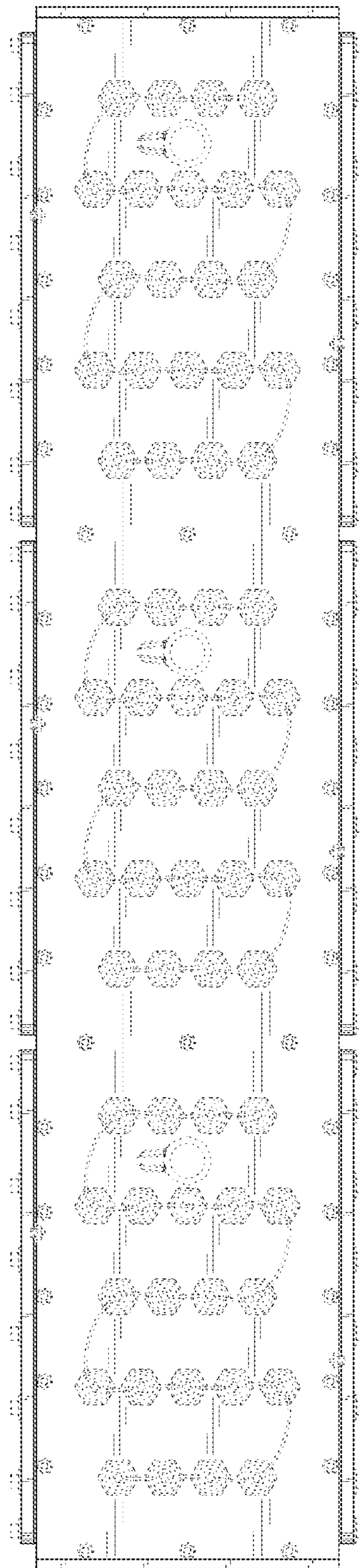


FIG. 6



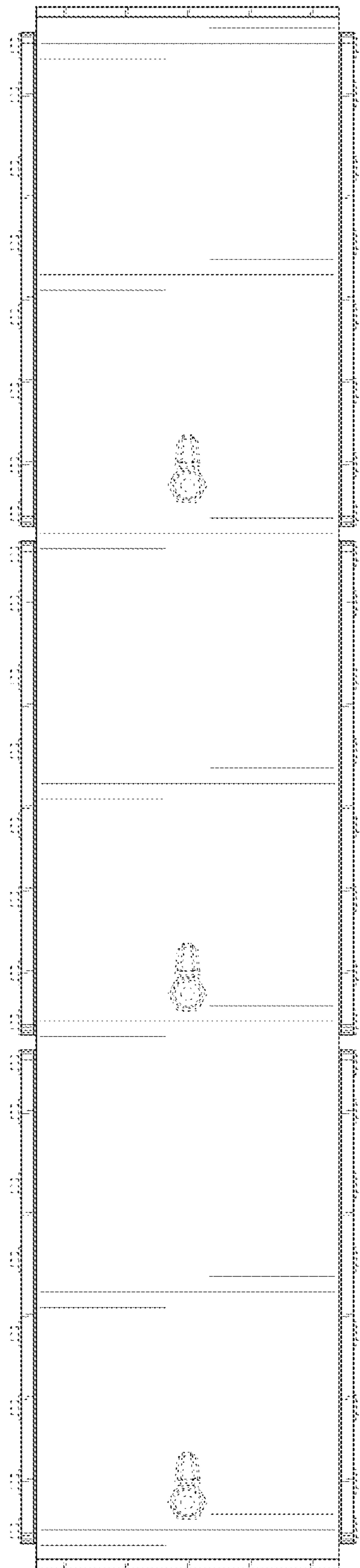


FIG. 7

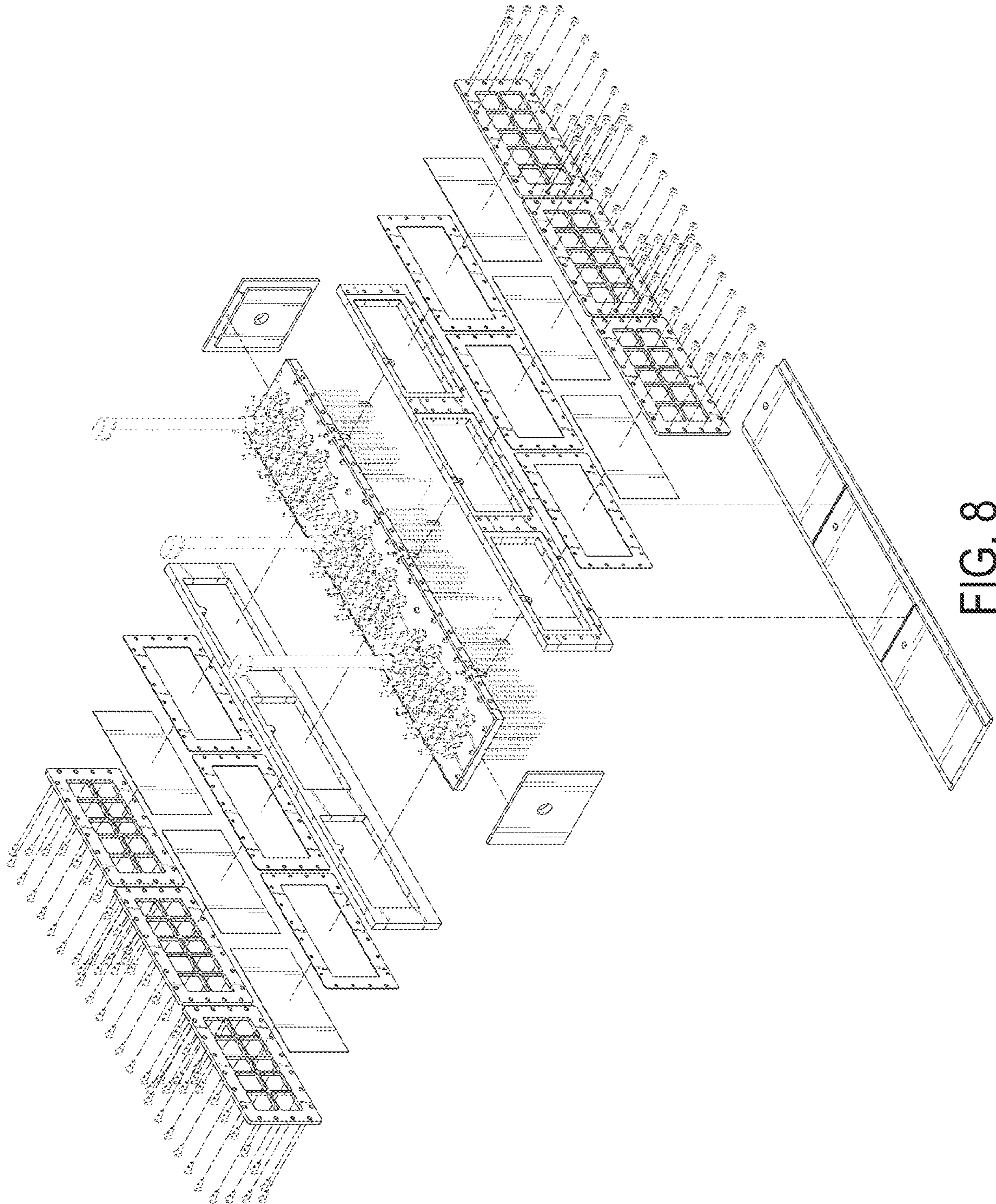


FIG. 8

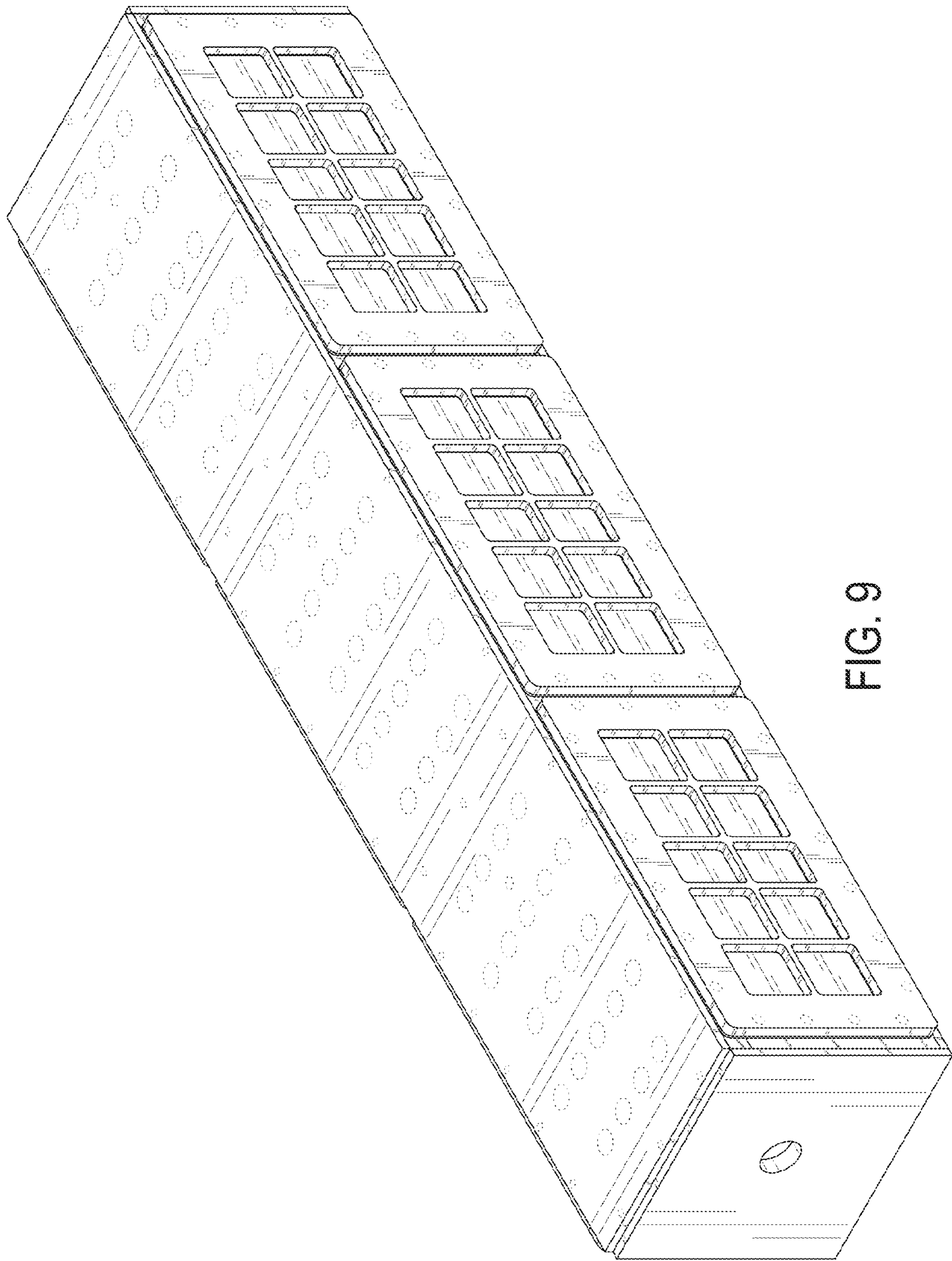


FIG. 9



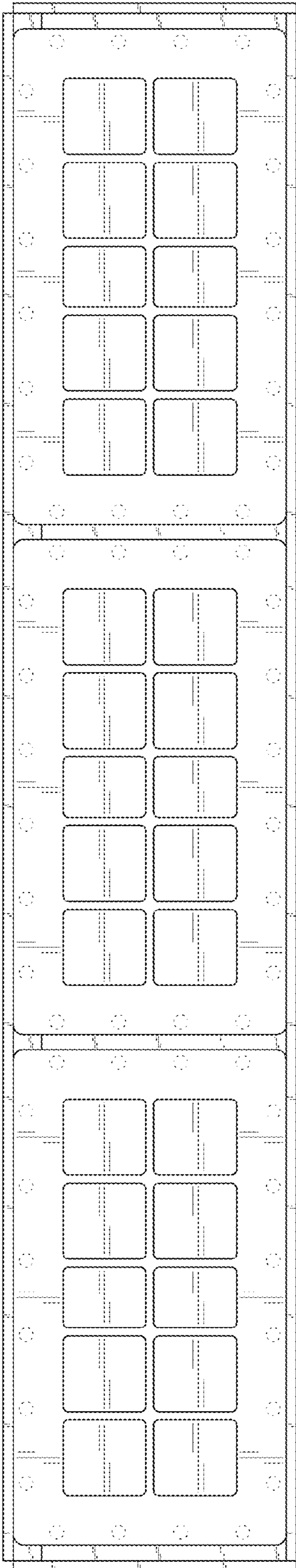


FIG. 10



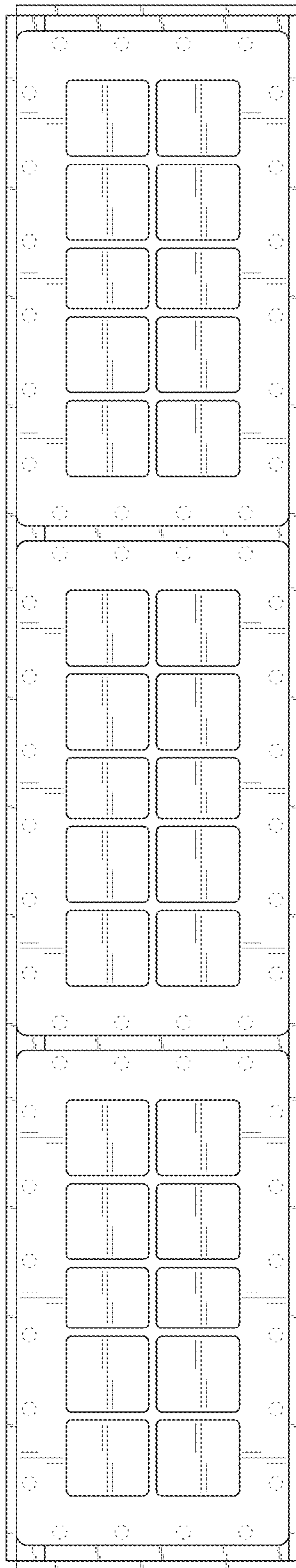


FIG. 11

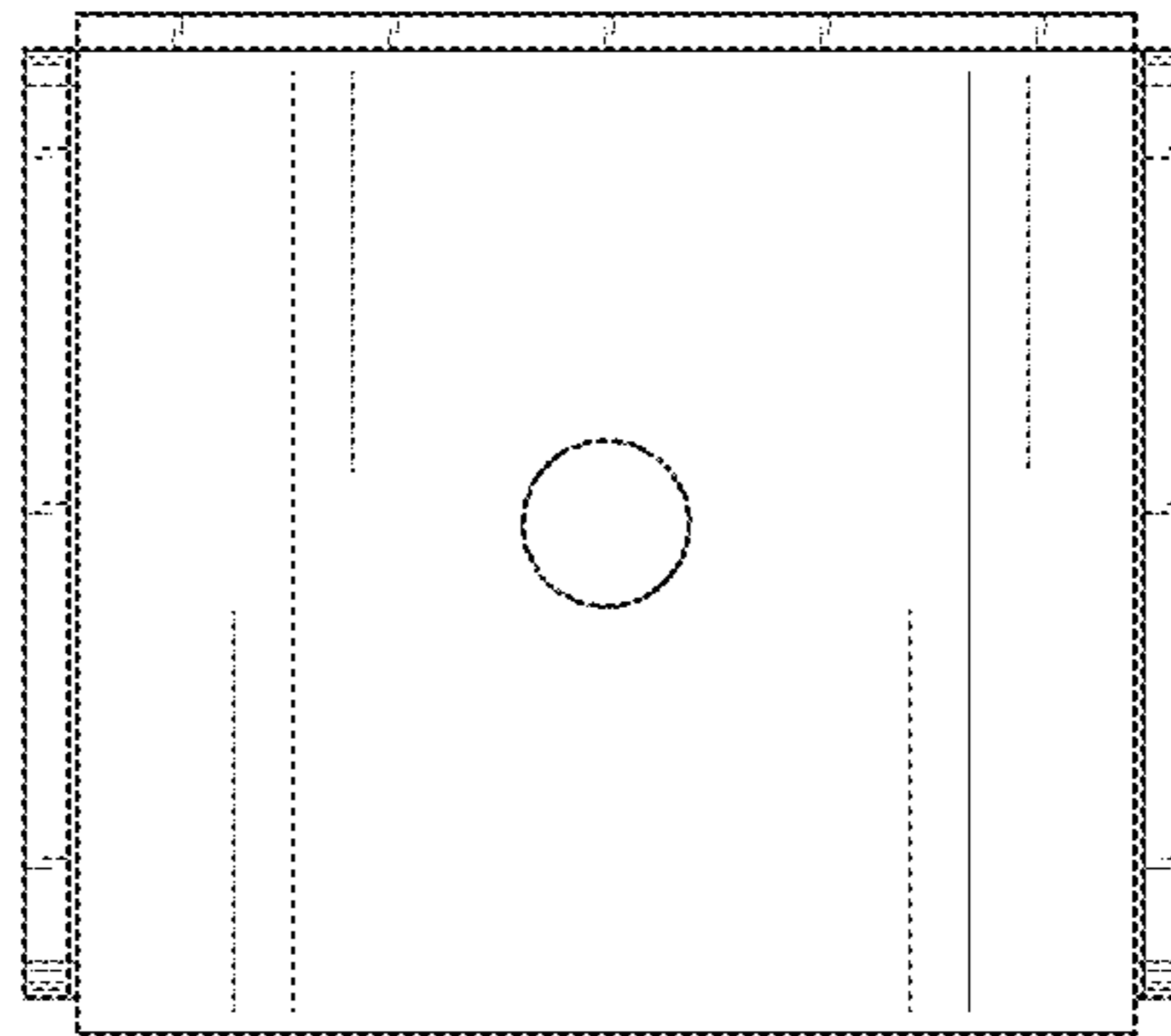


FIG. 12

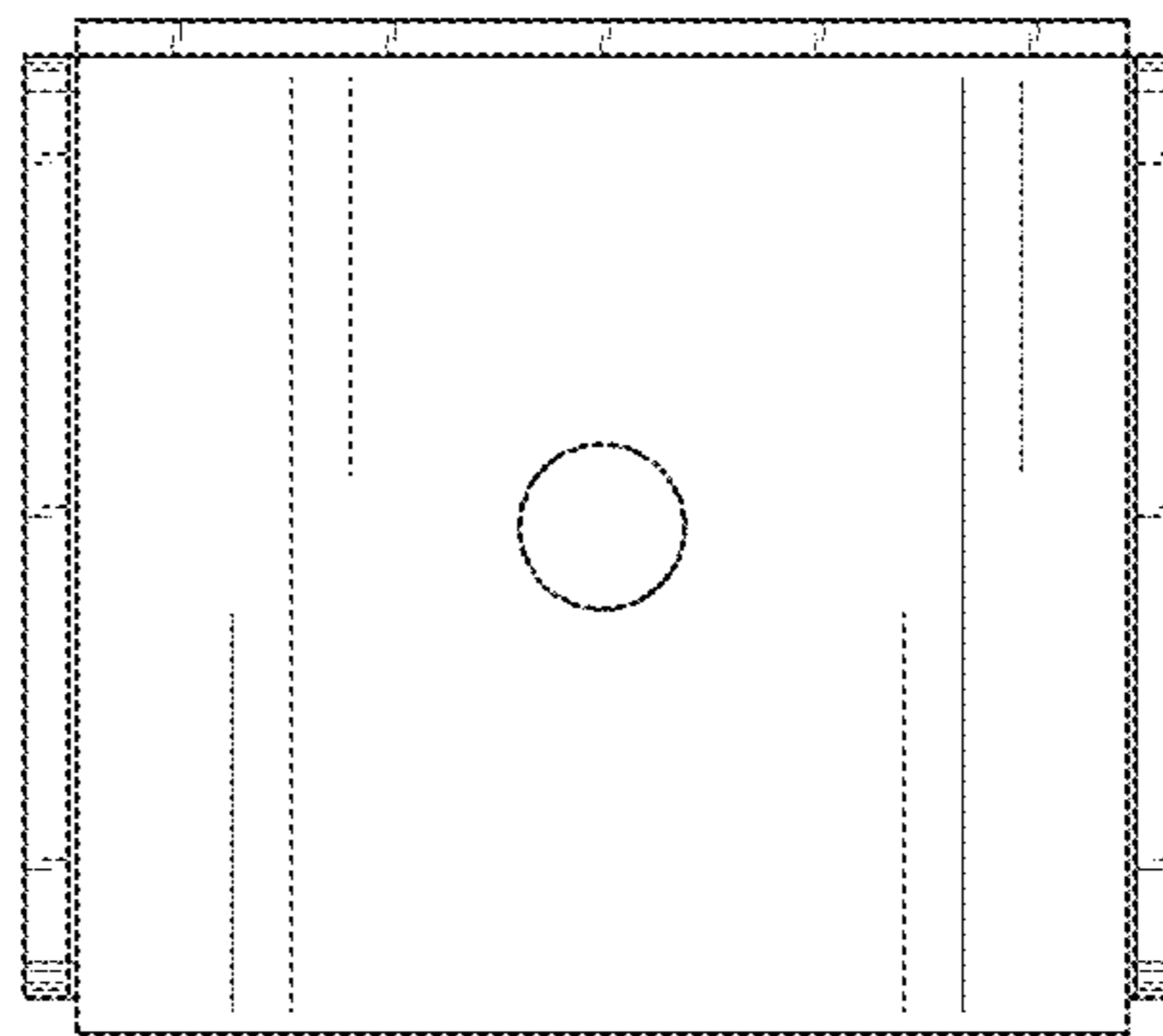


FIG. 13

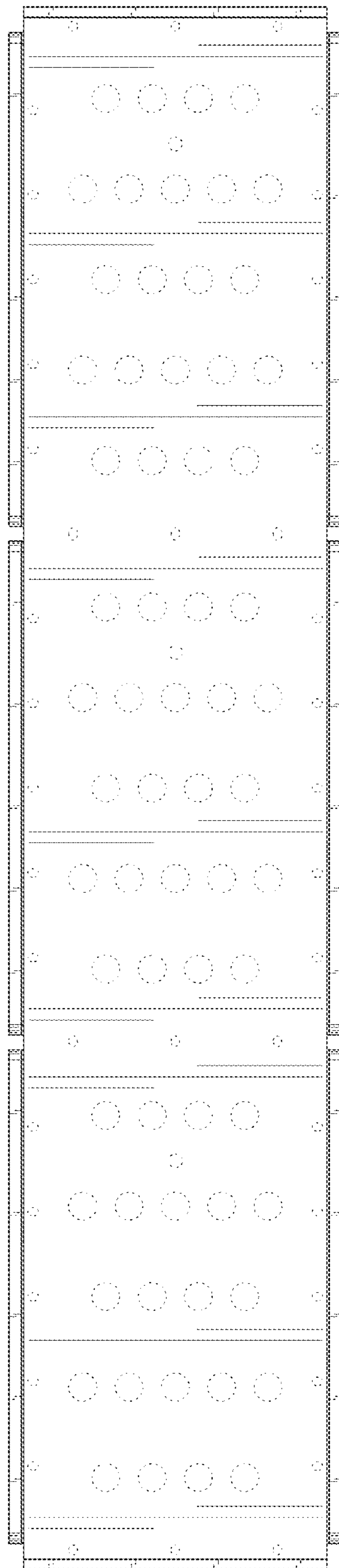


FIG. 14



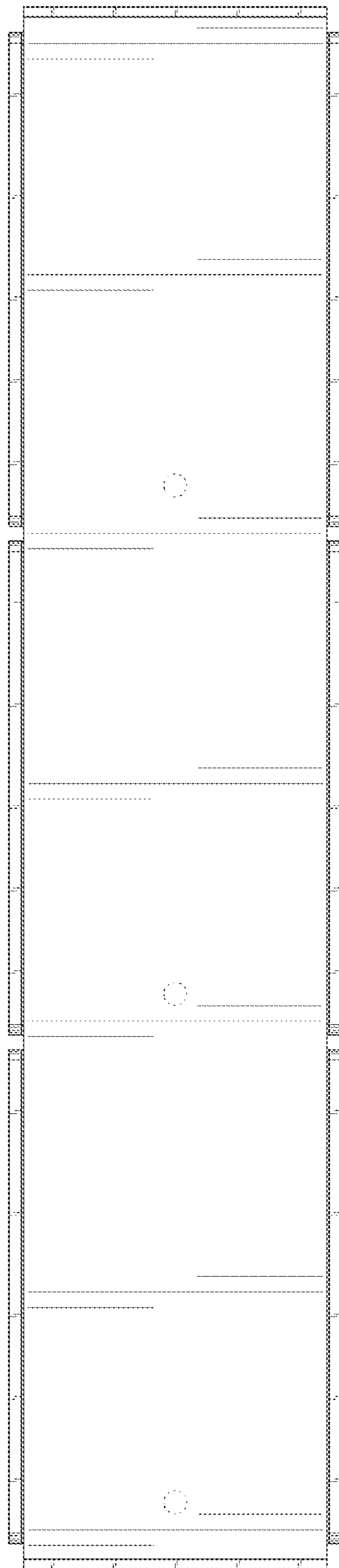


FIG. 15