



US00D741259S

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

(10) **Patent No.:** **US D741,259 S**

(45) **Date of Patent:** **** Oct. 20, 2015**

(54) **FREQUENCY CONVERTER**

(71) Applicant: **ABB OY**, Helsinki (FI)

(72) Inventors: **Mohammad Siddiqui**, Bristol (GB);
Guy Lamb, Saltford (GB); **David Greensmith**, Stonehouse (GB); **Bob Combes**, Berkley (GB)

(73) Assignee: **ABB Technology Oy**, Helsinki (FI)

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

(21) Appl. No.: **29/509,618**

(22) Filed: **Nov. 19, 2014**

(51) **LOC (10) Cl.** **13-02**

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

(58) **Field of Classification Search**
USPC D13/110, 101, 123, 162, 184, 199;
D14/348, 349, 353, 357, 358; 361/600,
361/601, 707, 715, 730; 363/15, 35, 141,
363/142, 157, 174, 175, 177

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D403,301	S	*	12/1998	Lehmann et al.	.....	D13/110
6,169,661	B1	*	1/2001	Lee	.....	361/752
D548,183	S	*	8/2007	Hakala et al.	.....	D13/110
D586,744	S	*	2/2009	Jaskari	.....	D13/110
D641,697	S	*	7/2011	Charlson et al.	.....	D13/110
D647,846	S	*	11/2011	Engblom et al.	.....	D13/113
D654,022	S	*	2/2012	Sun et al.	.....	D13/110
2008/0174948	A1	*	7/2008	Davis	.....	361/684

* cited by examiner

Primary Examiner — Derrick Holland

(74) *Attorney, Agent, or Firm* — Dykema Gossett PLLC

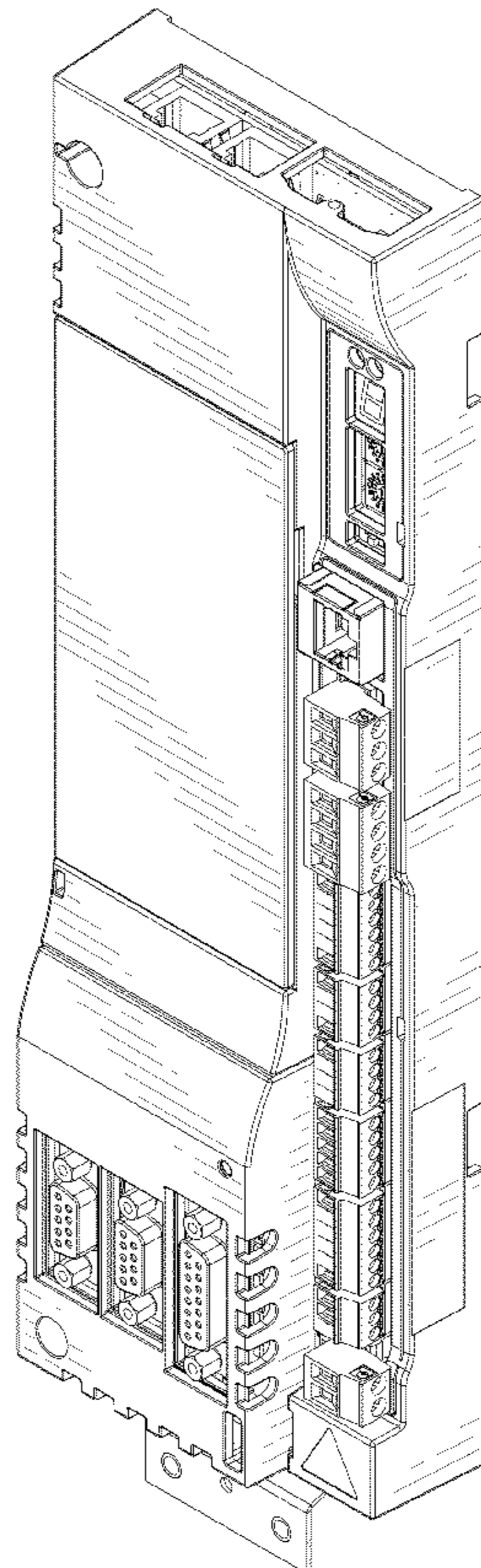
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a first perspective view of a frequency converter showing our new and ornamental design, FIG. 2 is a second perspective view thereof, FIG. 3 is a front view thereof, FIG. 4 is a rear view thereof, FIG. 5 is a first side view thereof, FIG. 6 is an opposite, second side view thereof, FIG. 7 is a first end view thereof; and, FIG. 8 is an opposite, second end view thereof.

1 Claim, 8 Drawing Sheets



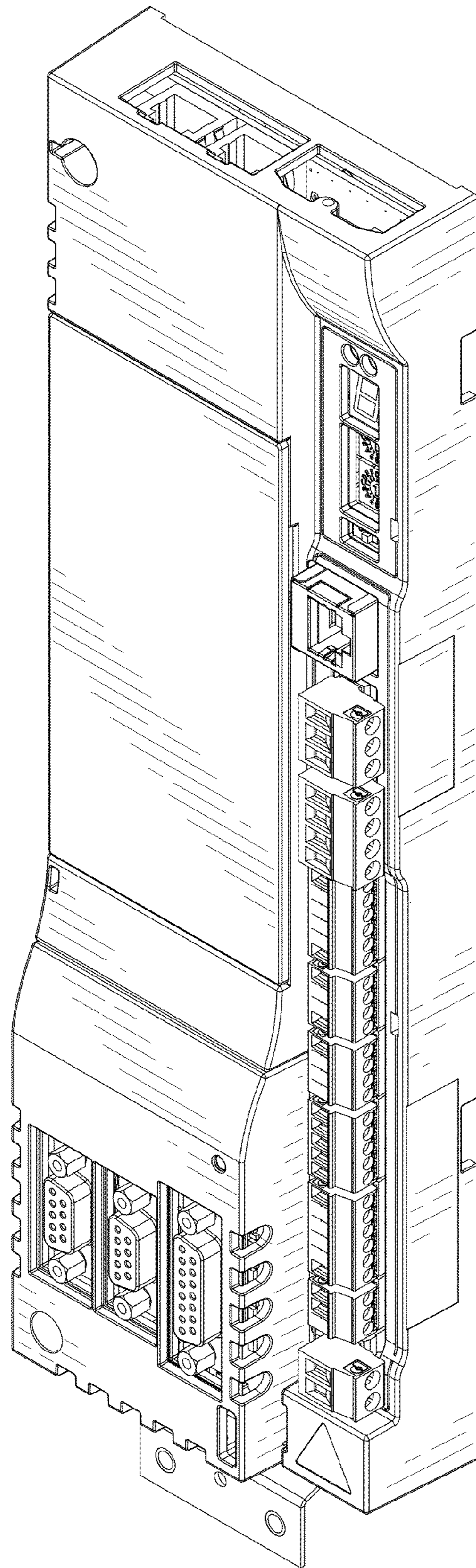


FIG. 1

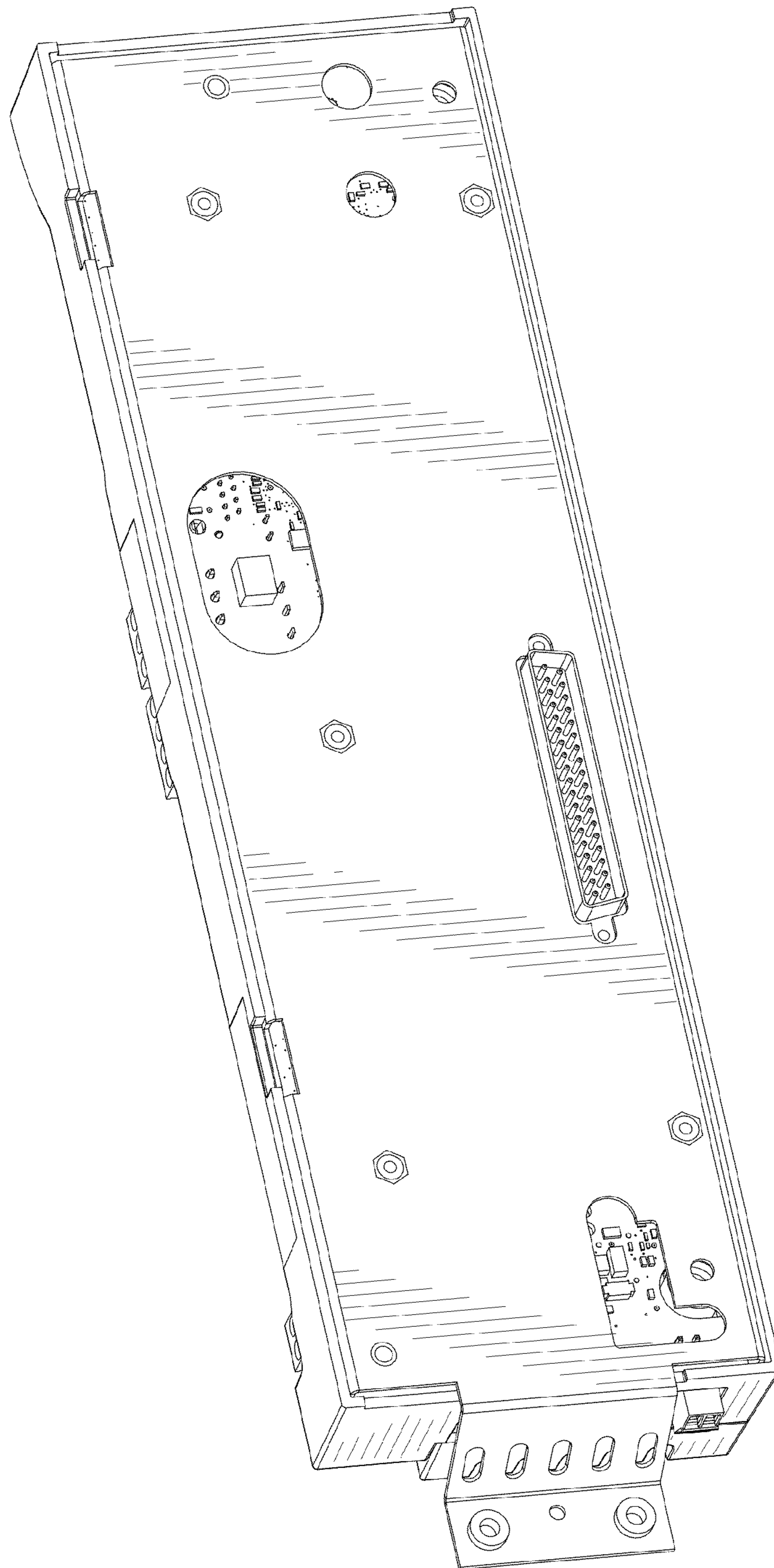


FIG. 2

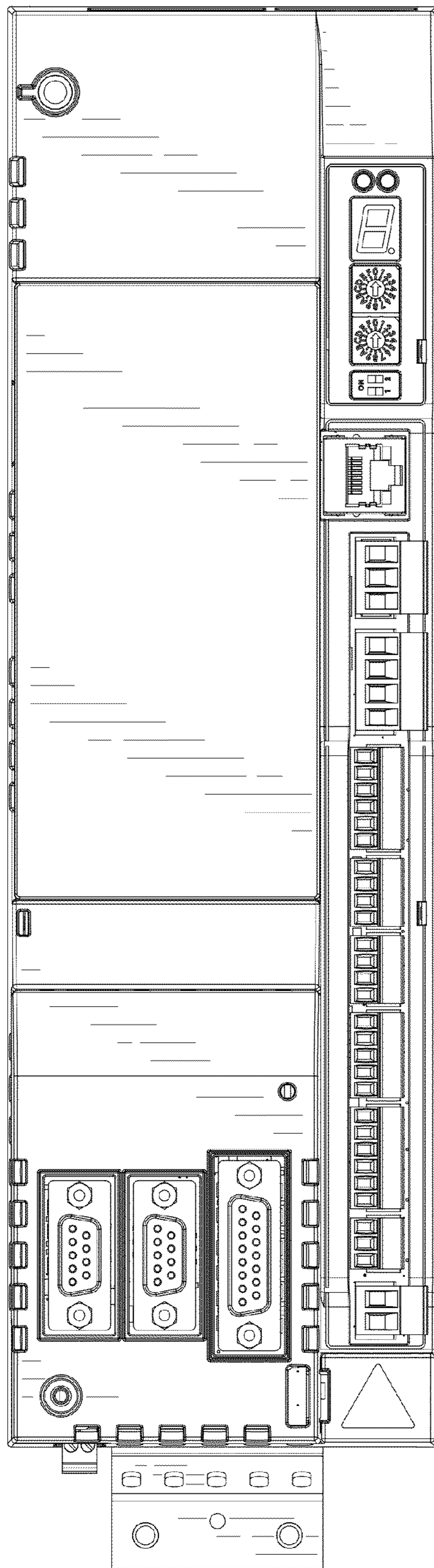


FIG. 3

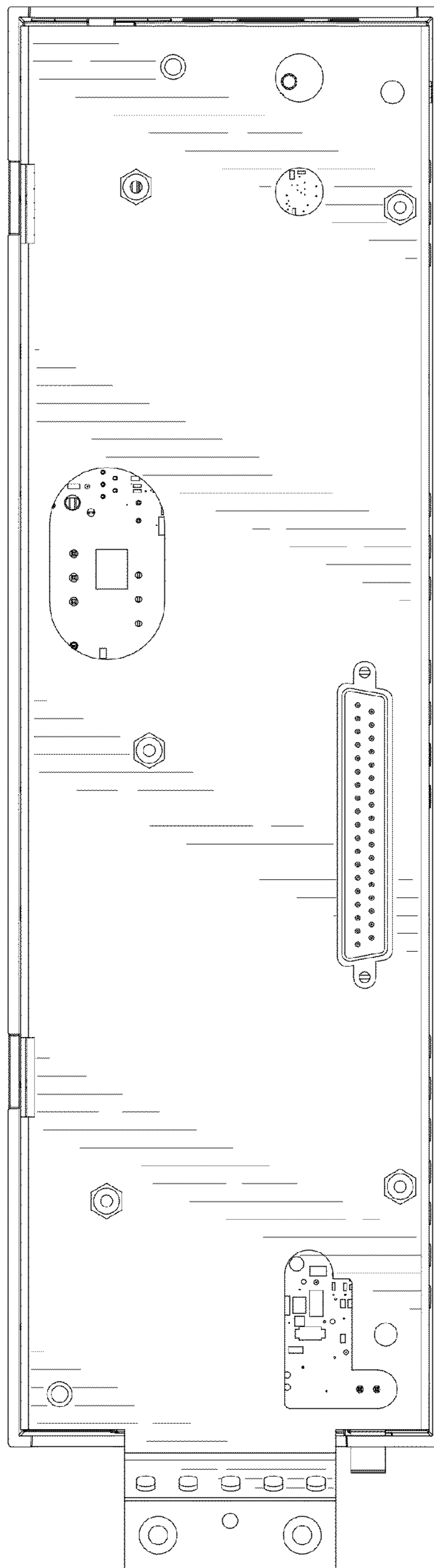


FIG. 4

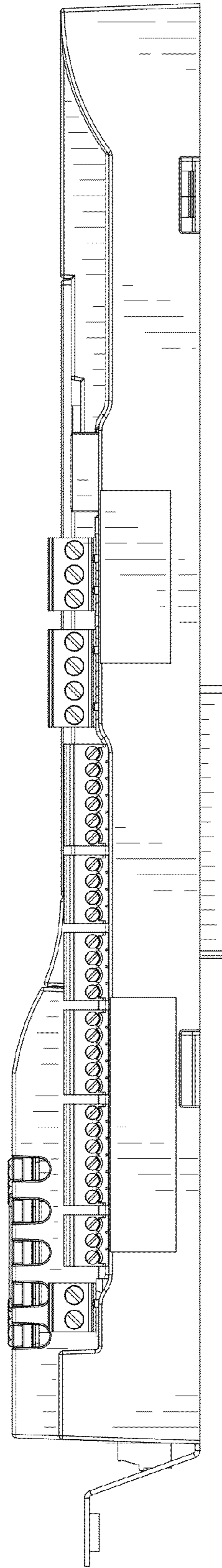


FIG. 5

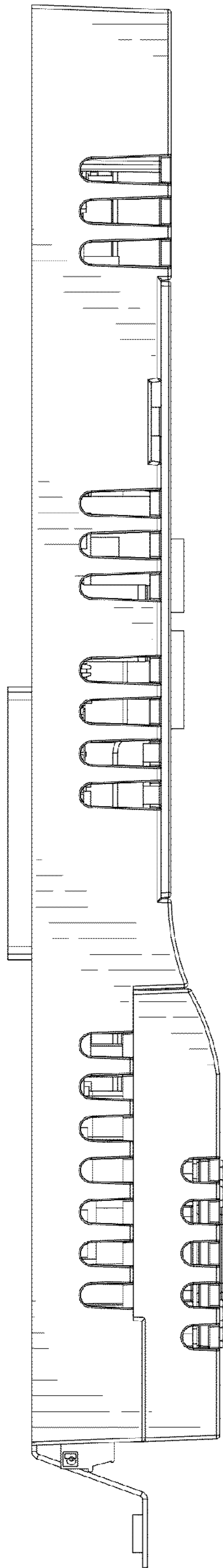


FIG. 6

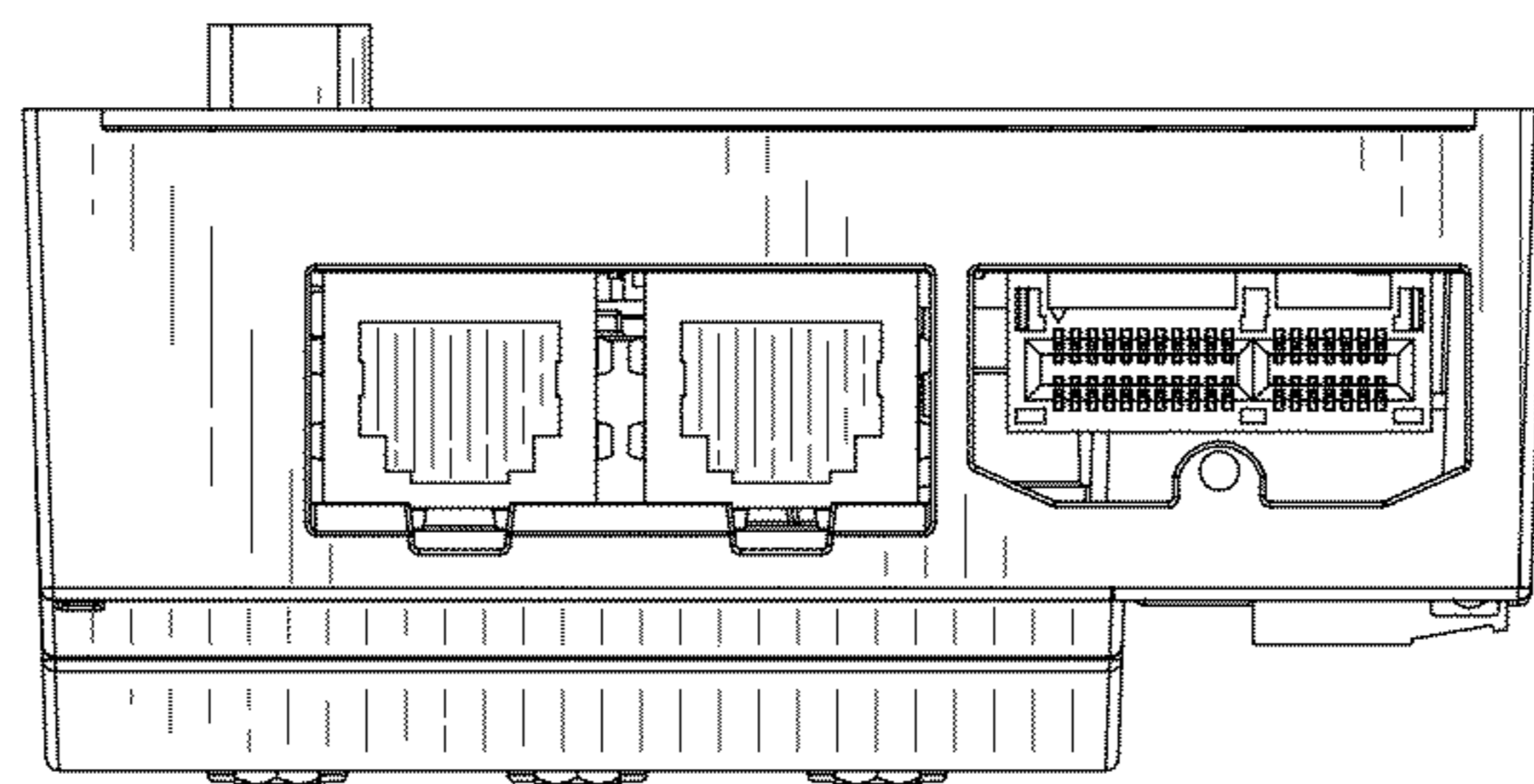


FIG. 7

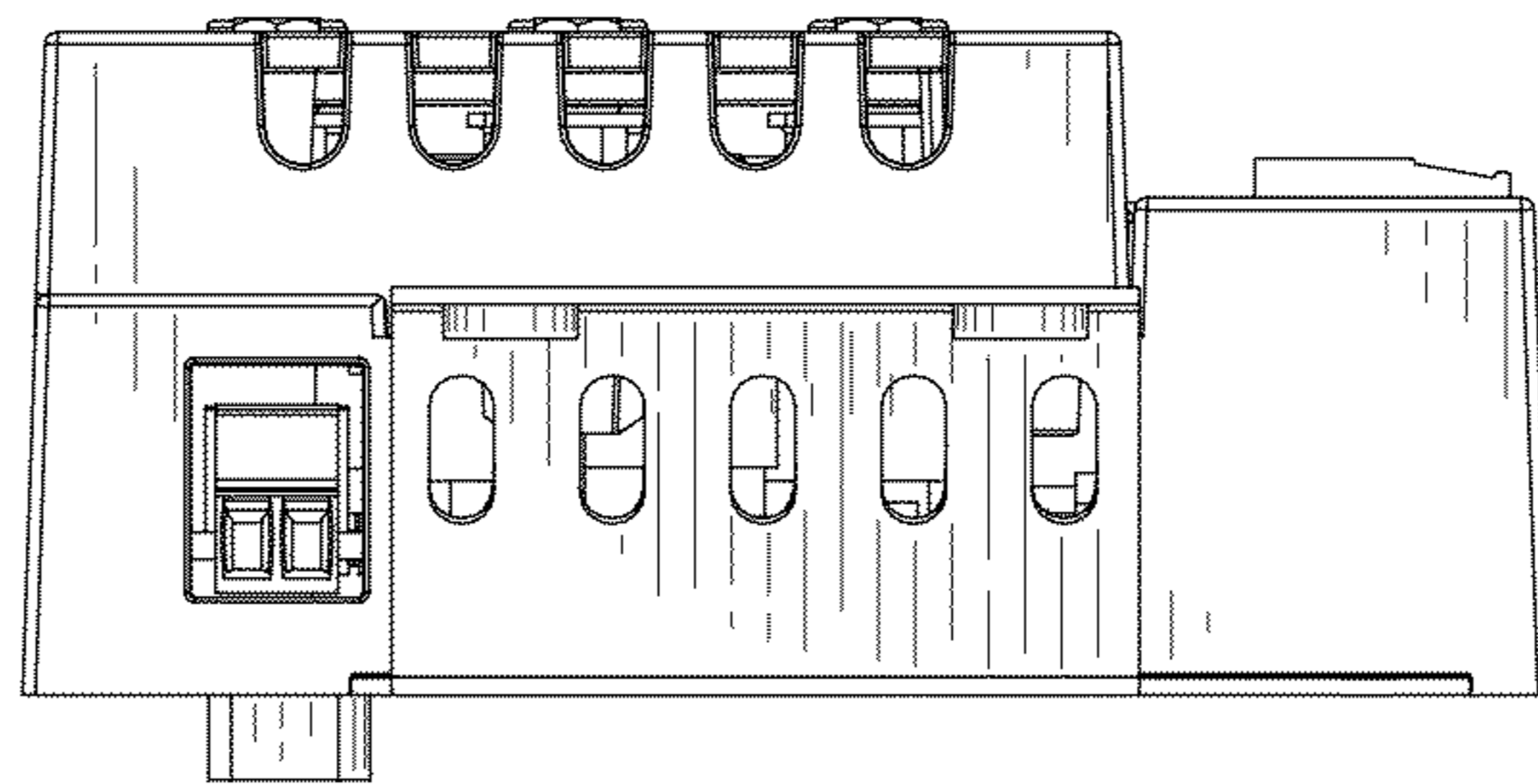


FIG. 8

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D741,259 S
APPLICATION NO. : 29/509618
DATED : October 20, 2015
INVENTOR(S) : Siddiqui et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Insert

--(30) Foreign Application Priority Data:

May 16, 2014 (EU) 002465385-0001--

Signed and Sealed this
Twenty-second Day of March, 2016



Michelle K. Lee
Director of the United States Patent and Trademark Office