



US00D711264S

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

(10) **Patent No.:** **US D711,264 S**

(45) **Date of Patent:** **\*\* Aug. 19, 2014**

(54) **MASS SPECTROMETER**

(71) Applicant: **Michael Antonczak**, San Jose, CA (US)

(72) Inventor: **Michael Antonczak**, San Jose, CA (US)

(73) Assignee: **Thermo Finnigan LLC**, San Jose, CA (US)

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

(21) Appl. No.: **29/450,641**

(22) Filed: **Mar. 20, 2013**

(51) **LOC (10) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/81**

(58) **Field of Classification Search**

CPC . G01W 1/00; G01R 31/2812; G01R 31/3848;  
G01R 31/2853; H01J 49/02; H01J 49/0013;  
H01J 49/0022; H01J 49/165; H01J 49/0431;  
H01J 49/26; H01J 49/282; H01J 43/04;  
H05K 7/20136

USPC ..... D10/81; 250/281-300

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D347,396	S	*	5/1994	Ohnuma et al.	.....	D10/81
D356,967	S	*	4/1995	Takekoshi et al.	.....	D10/81
6,864,091	B1	*	3/2005	Wang et al.	.....	436/37
7,129,481	B2	*	10/2006	Overney	.....	250/288
D557,156	S	*	12/2007	Kon	.....	D10/81
D599,688	S	*	9/2009	Ito	.....	D10/81
8,158,936	B2	*	4/2012	Hofstadler et al.	.....	250/288
D689,387	S	*	9/2013	Muraoka et al.	.....	D10/81
8,525,110	B2	*	9/2013	Herrero et al.	.....	250/288
8,664,588	B2	*	3/2014	Noda et al.	.....	250/281

\* cited by examiner

*Primary Examiner* — Antoine D Davis

(74) *Attorney, Agent, or Firm* — Nicholas Cairns

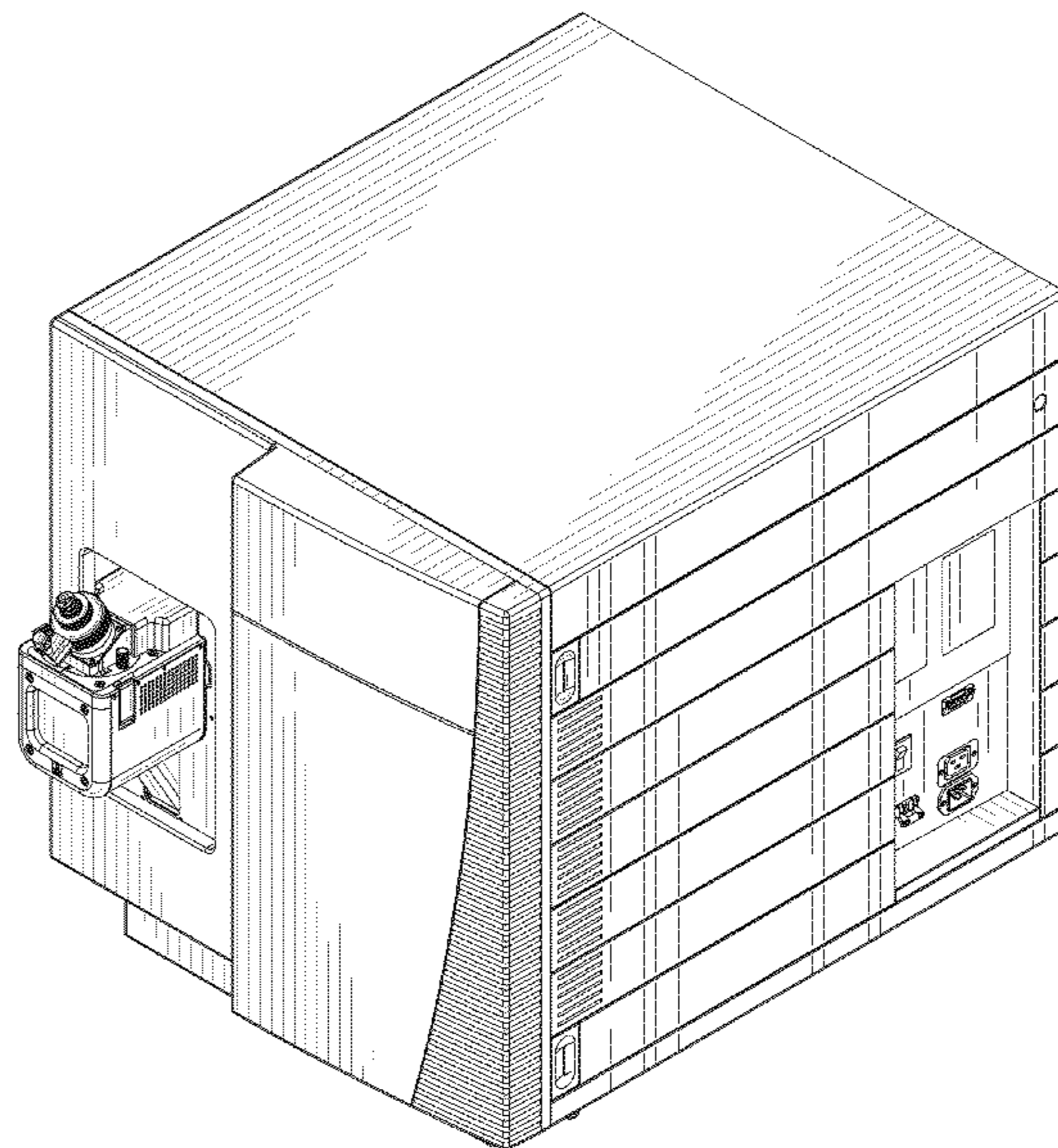
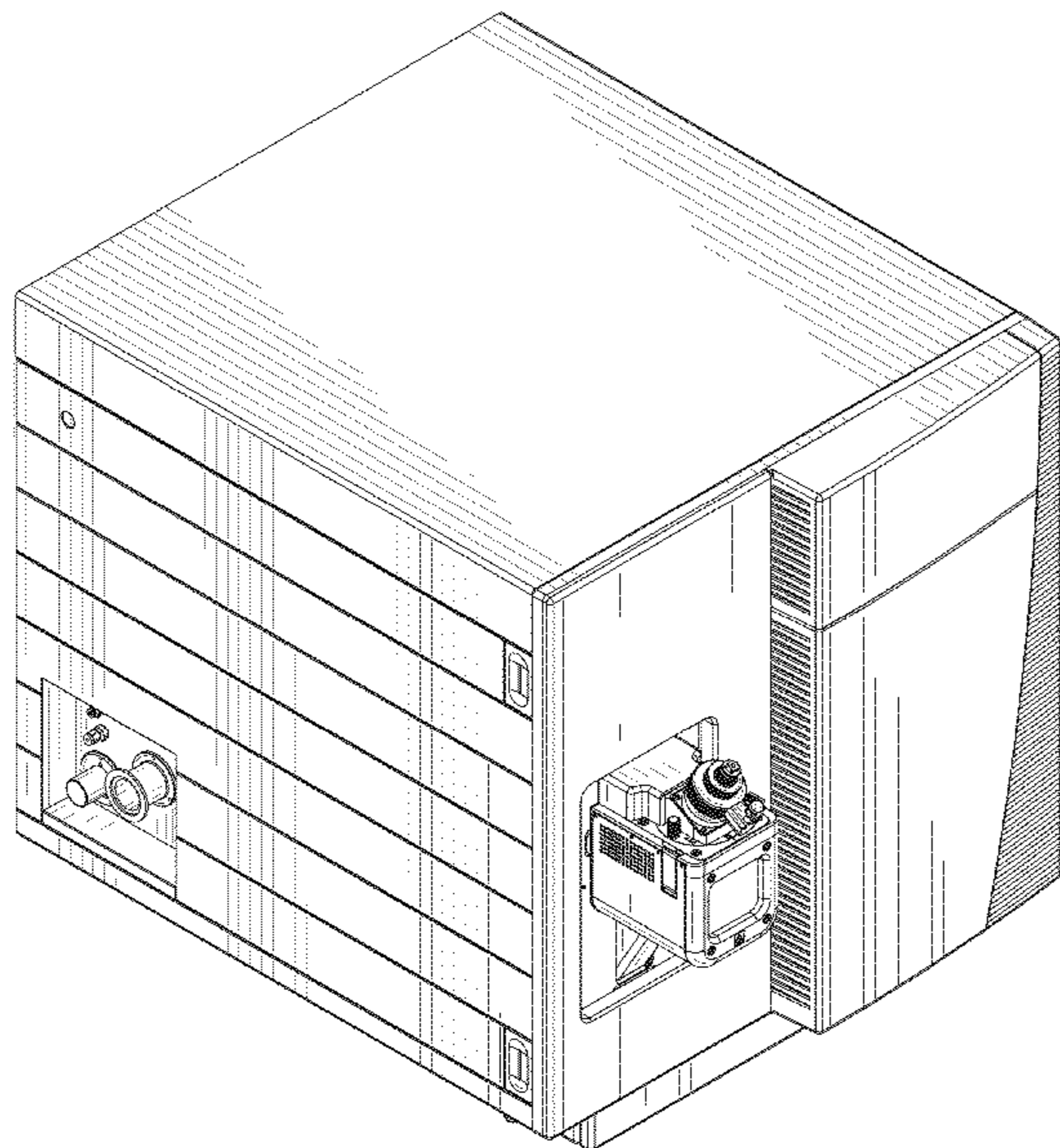
(57) **CLAIM**

I claim the ornamental design for a mass spectrometer, as shown.

**DESCRIPTION**

FIG. 1 is a front, top and left side perspective view of a mass spectrometer showing the design;  
FIG. 2 is a front, top and right side view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof; and,  
FIG. 7 is a top view thereof.

**1 Claim, 7 Drawing Sheets**





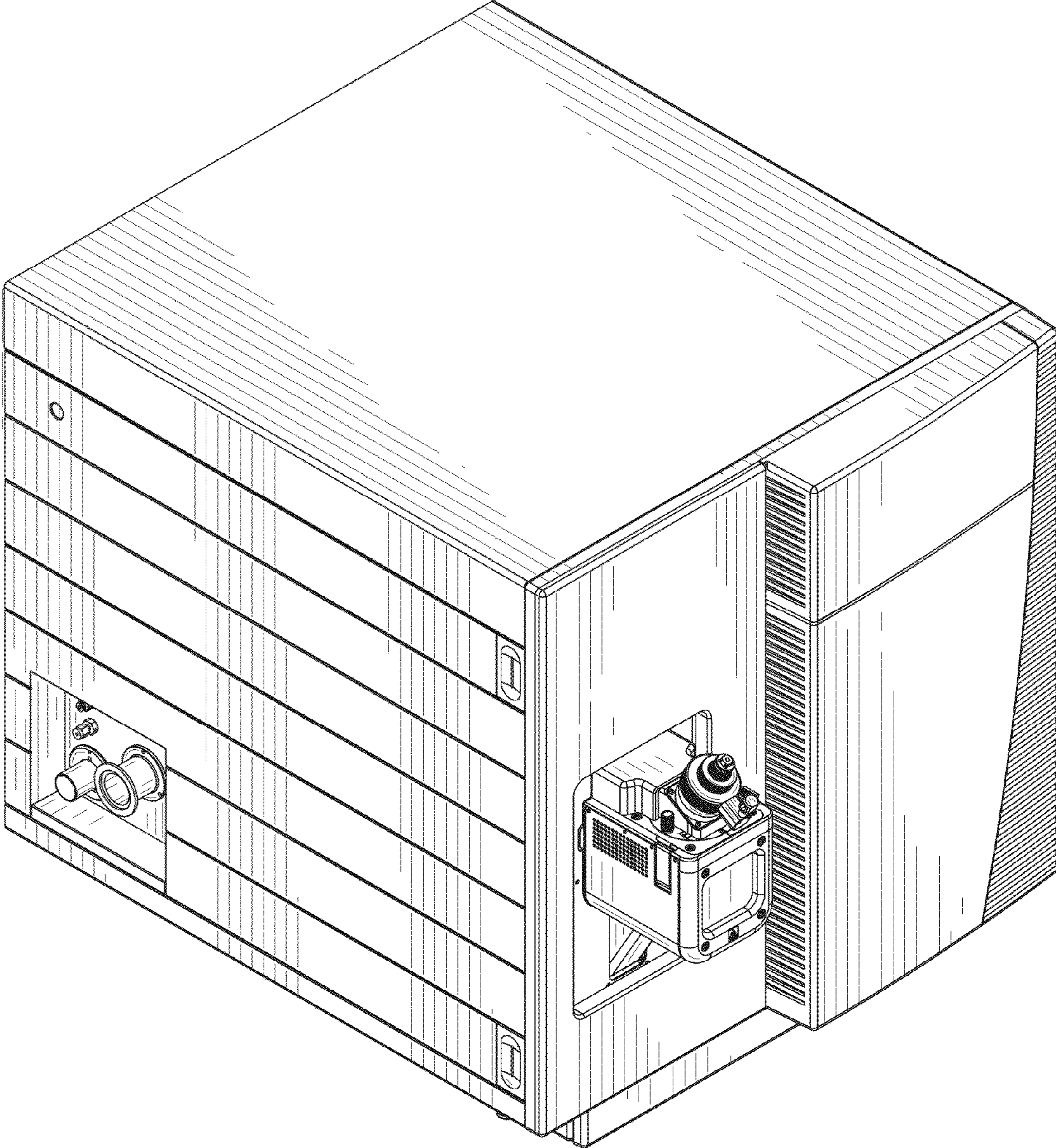


FIG. 1

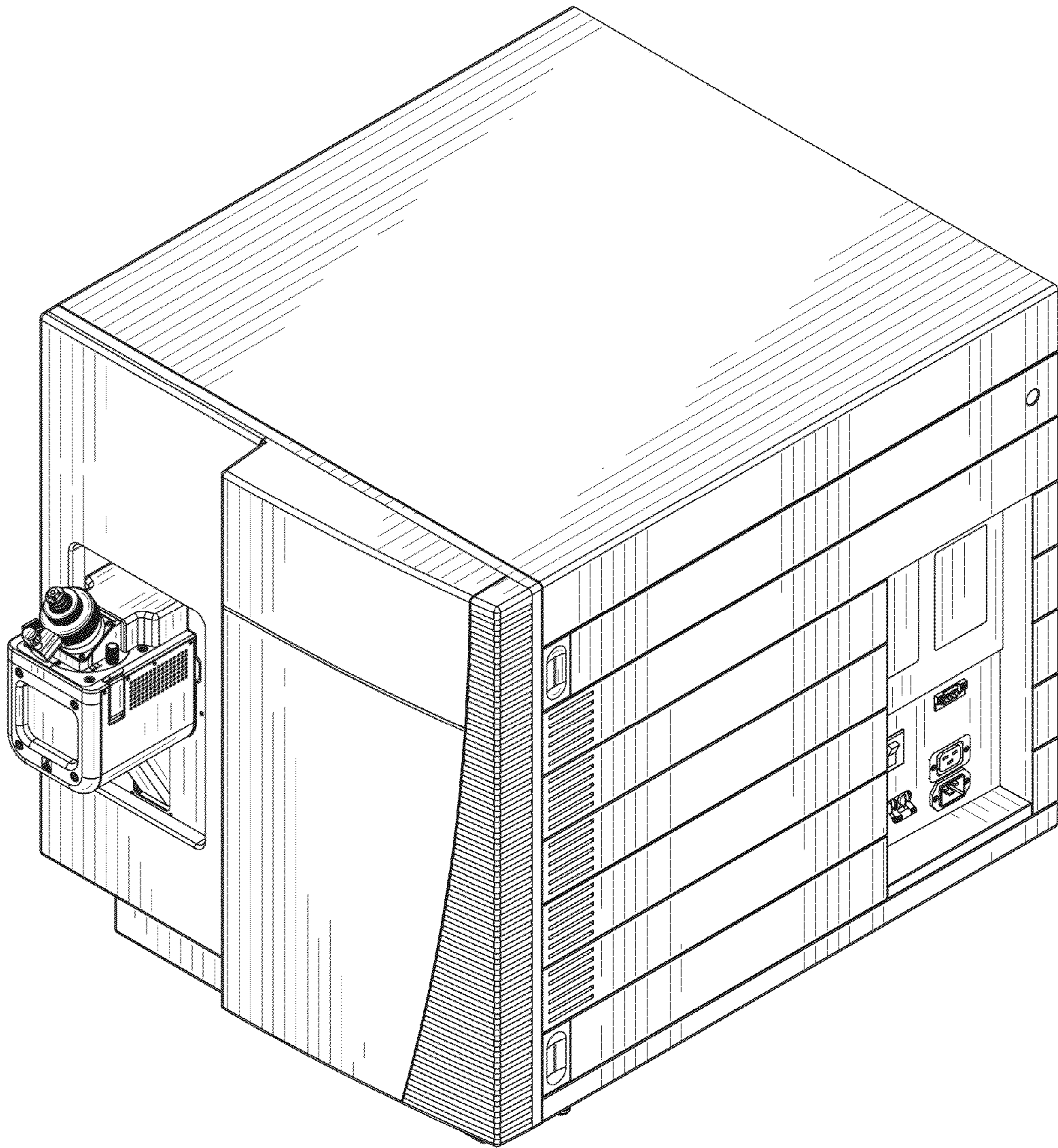
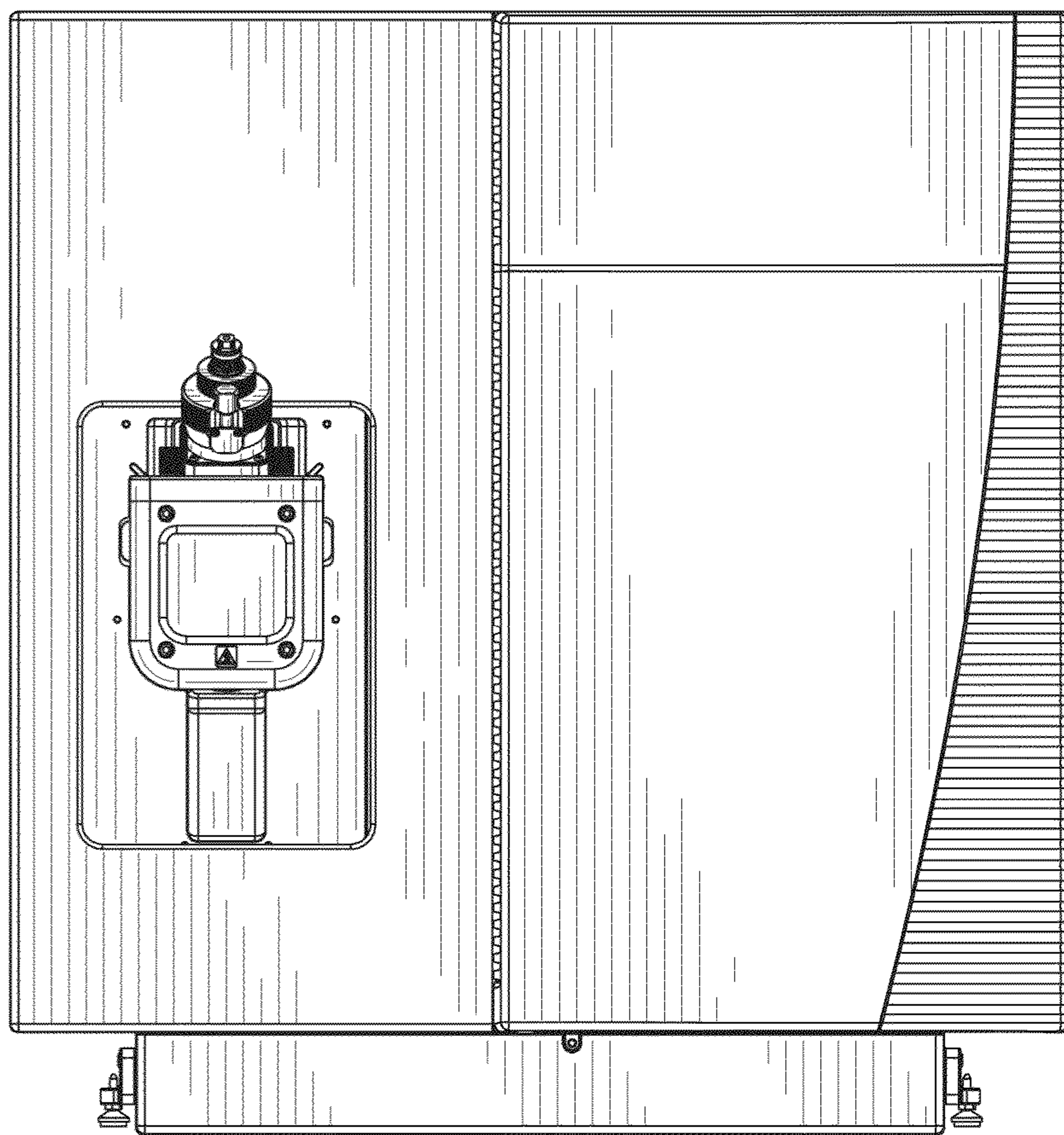
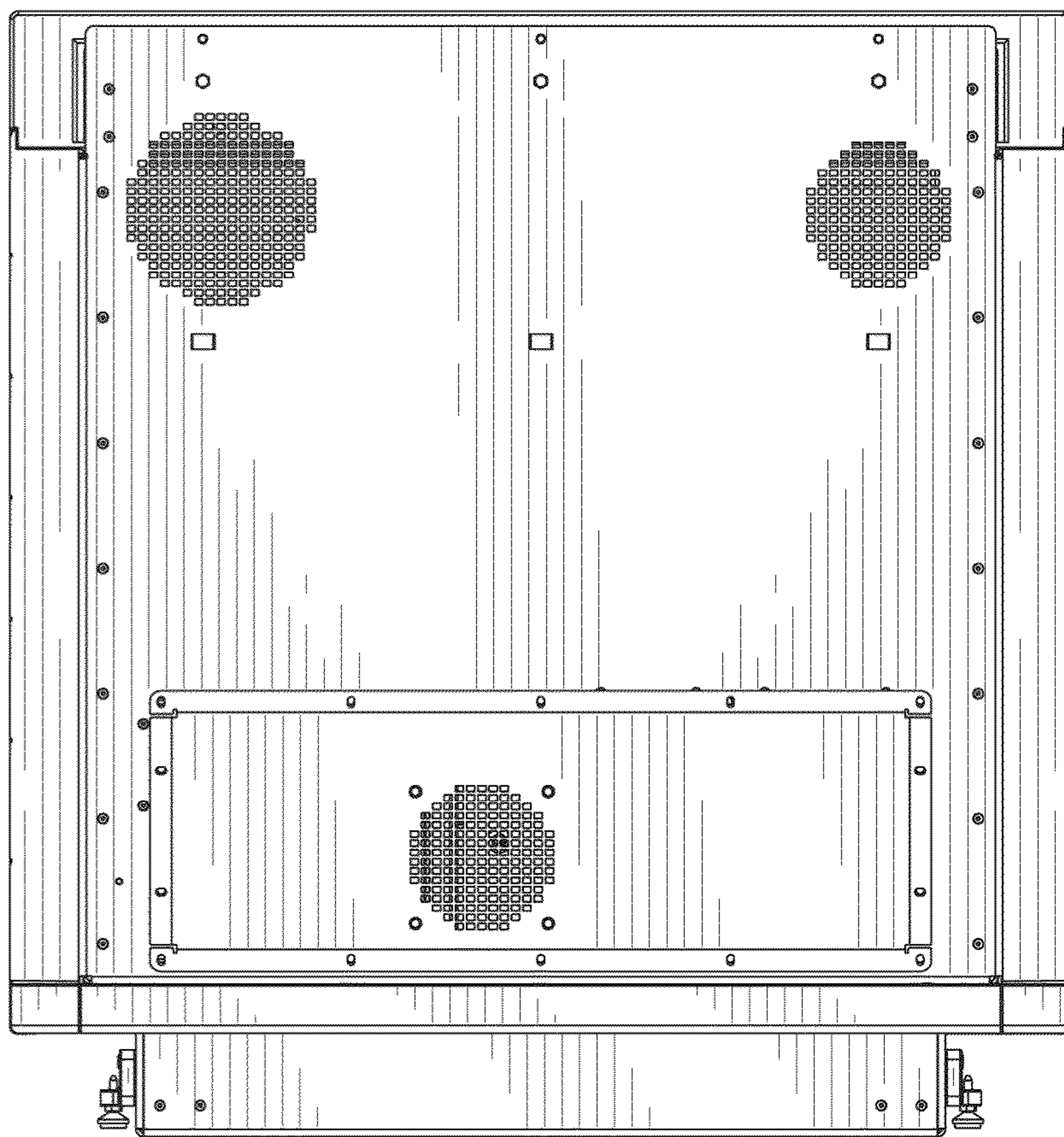


FIG. 2





**FIG. 3**



**FIG. 4**

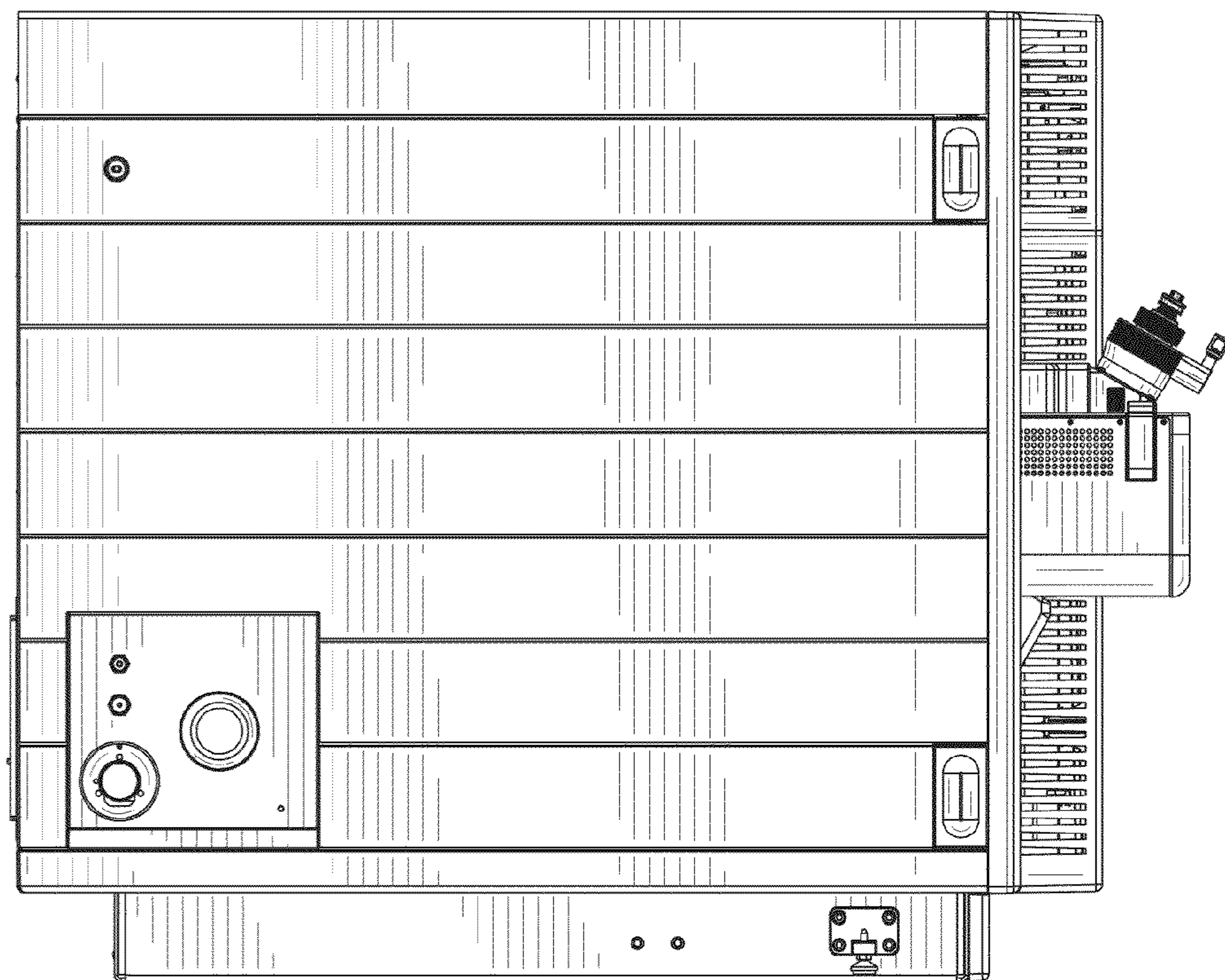


FIG. 5



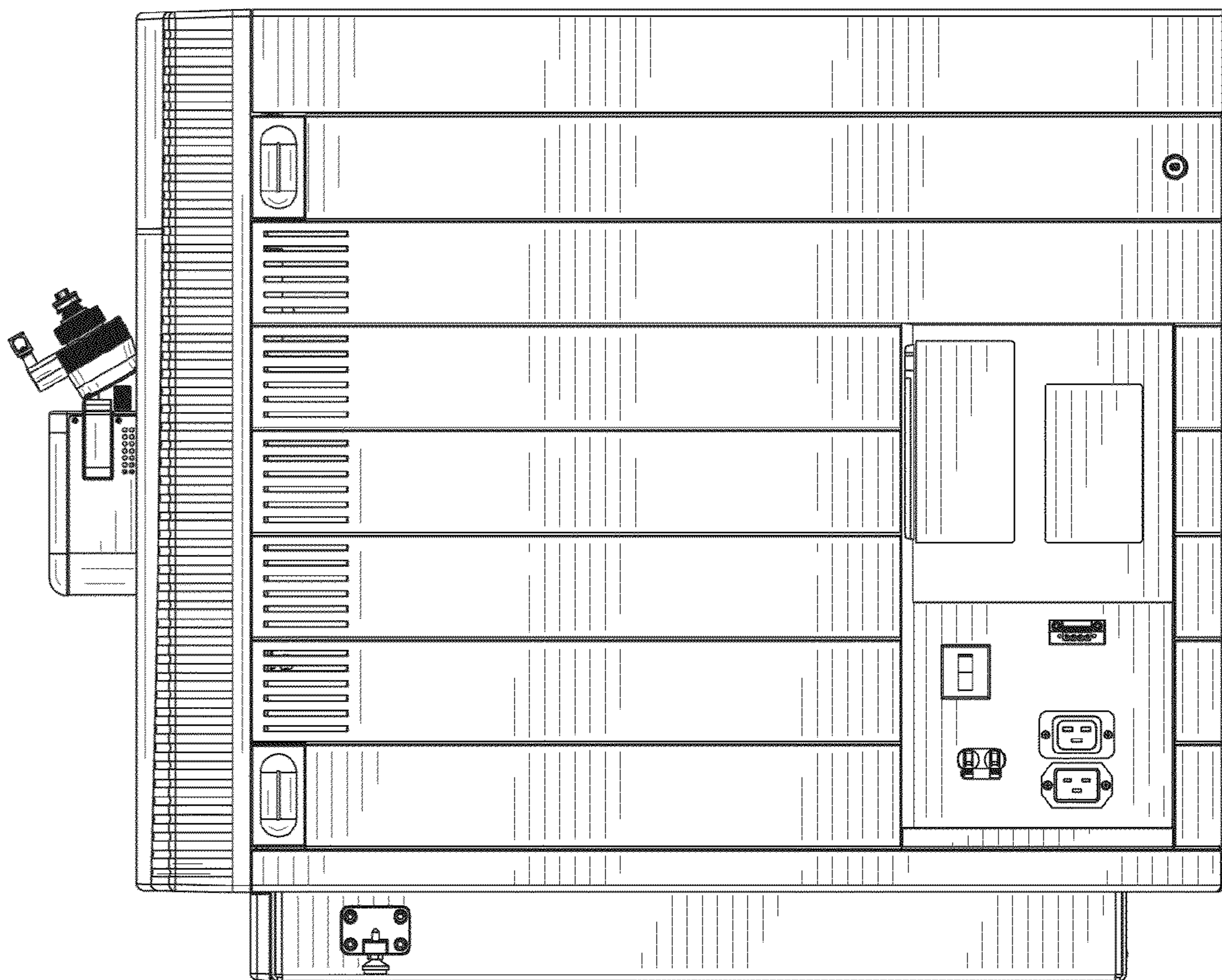
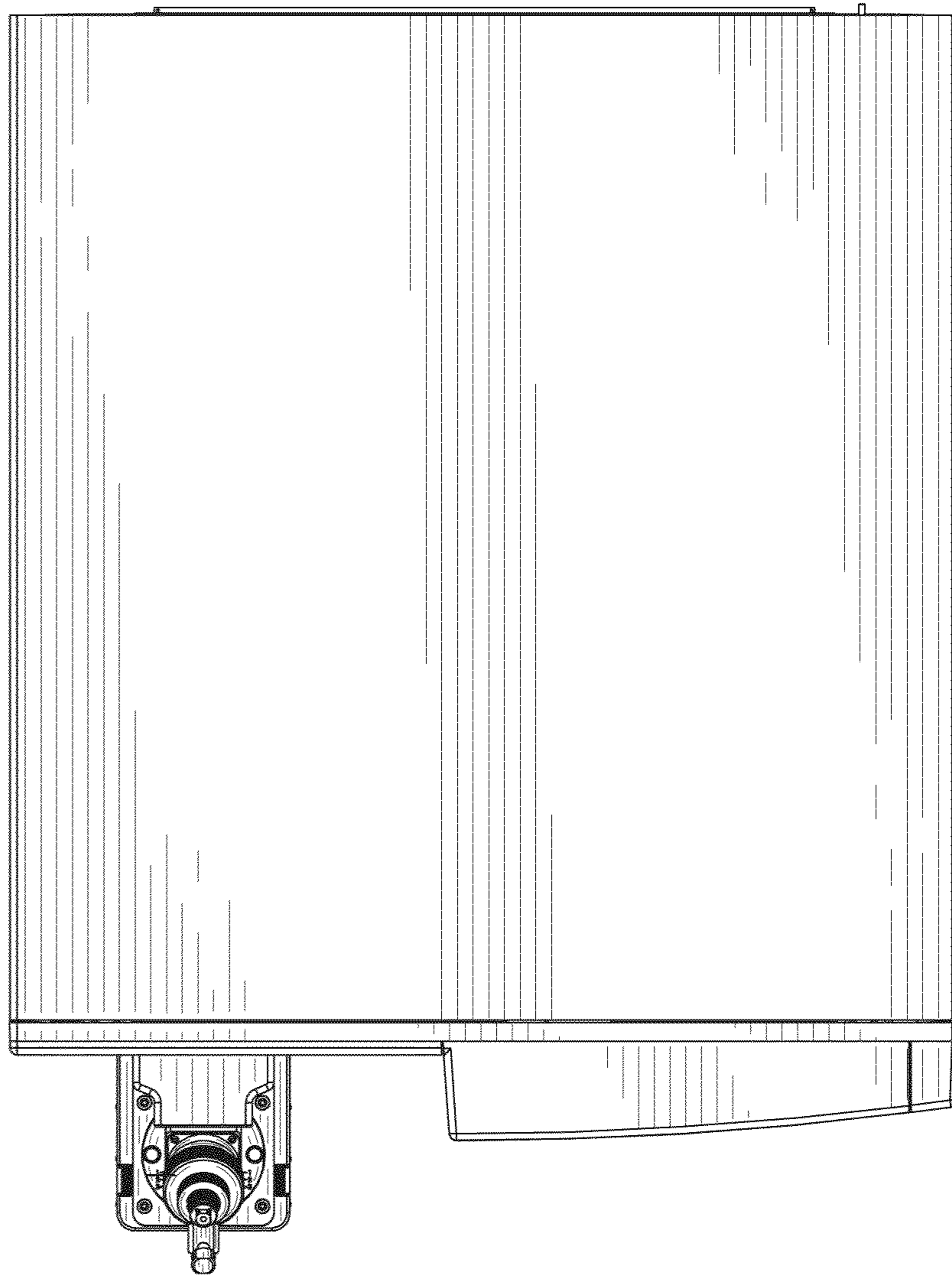


FIG. 6



**FIG. 7**