

US00D794818S

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

(10) **Patent No.:** **US D794,818 S**

(45) **Date of Patent:** **\*\* Aug. 15, 2017**

(54) **ANALYSIS CARTRIDGE**

(71) Applicant: **Illumina, Inc.**, San Diego, CA (US)

(72) Inventors: **Uichong Brandon Yi**, Cary, NC (US);  
**Vijay Srinivasan**, San Diego, CA (US);  
**Jarred DeVille**, Raleigh, NC (US);  
**Erik Allegoren**, San Diego, CA (US);  
**Brent Nobles**, Carrboro, NC (US)

(73) Assignee: **Illumina, Inc.**, San Diego, CA (US)

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

(21) Appl. No.: **29/509,527**

(22) Filed: **Nov. 18, 2014**

(51) **LOC (10) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/224**

(58) **Field of Classification Search**  
USPC ..... D24/121, 216, 222-232; D10/78, 81,  
D10/103; 422/408, 430, 501-504, 68.1,  
422/547, 67; 436/163, 164, 169;  
435/6.16, 91.1, 6.11, 287.2; 600/583-584  
CPC ... B01J 19/0046; G01N 31/221; G01N 31/22;  
G01N 21/8483; G01N 21/6428; G01N  
21/07; G01N 21/774; G01N 35/00; B01L  
2400/0406; B01L 9/54; B01L 2300/0816;  
B01L 3/502707; B01L 3/5025; B01L  
3/502715; C12Q 1/6846

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D252,157 S *	6/1979	Kronish	.....	D24/226
D254,687 S *	4/1980	Fadler	.....	D24/216
D284,699 S *	7/1986	Jolley	.....	D24/226
D302,294 S *	7/1989	Hillman	.....	D24/223
D324,426 S *	3/1992	Fan	.....	D24/223

D328,135 S *	7/1992	Fan	.....	D24/223
D351,913 S *	10/1994	Hieb	.....	D24/225
D382,647 S *	8/1997	Staples	.....	D24/216
D420,743 S *	2/2000	Monks	.....	D24/224
D461,906 S *	8/2002	Pham	.....	D24/225
D463,031 S *	9/2002	Slomski	.....	D24/216
D469,544 S *	1/2003	Lafond	.....	D24/224
D530,021 S *	10/2006	Muraca	.....	D24/226
D561,623 S *	2/2008	Ogura	.....	D10/81
D562,165 S *	2/2008	Ogura	.....	D10/81
D566,291 S *	4/2008	Parunak	.....	D24/224
D574,506 S *	8/2008	Monks	.....	D24/226
D605,064 S *	12/2009	Karaki	.....	D10/103
D621,060 S *	8/2010	Handique	.....	D24/225
7,998,708 B2 *	8/2011	Handique	.....	B01L 3/502715 435/91.1

(Continued)

*Primary Examiner* — Ian Simmons

*Assistant Examiner* — Mark Cavanna

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson  
& Bear LLP

(57) **CLAIM**

The ornamental design for an analysis cartridge, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an analysis cartridge in accordance with the present invention.

FIG. 2 is a top view of the analysis cartridge of FIG. 1.

FIG. 3 is a bottom view of the analysis cartridge of FIG. 1.

FIG. 4 is a front view of the analysis cartridge of FIG. 1.

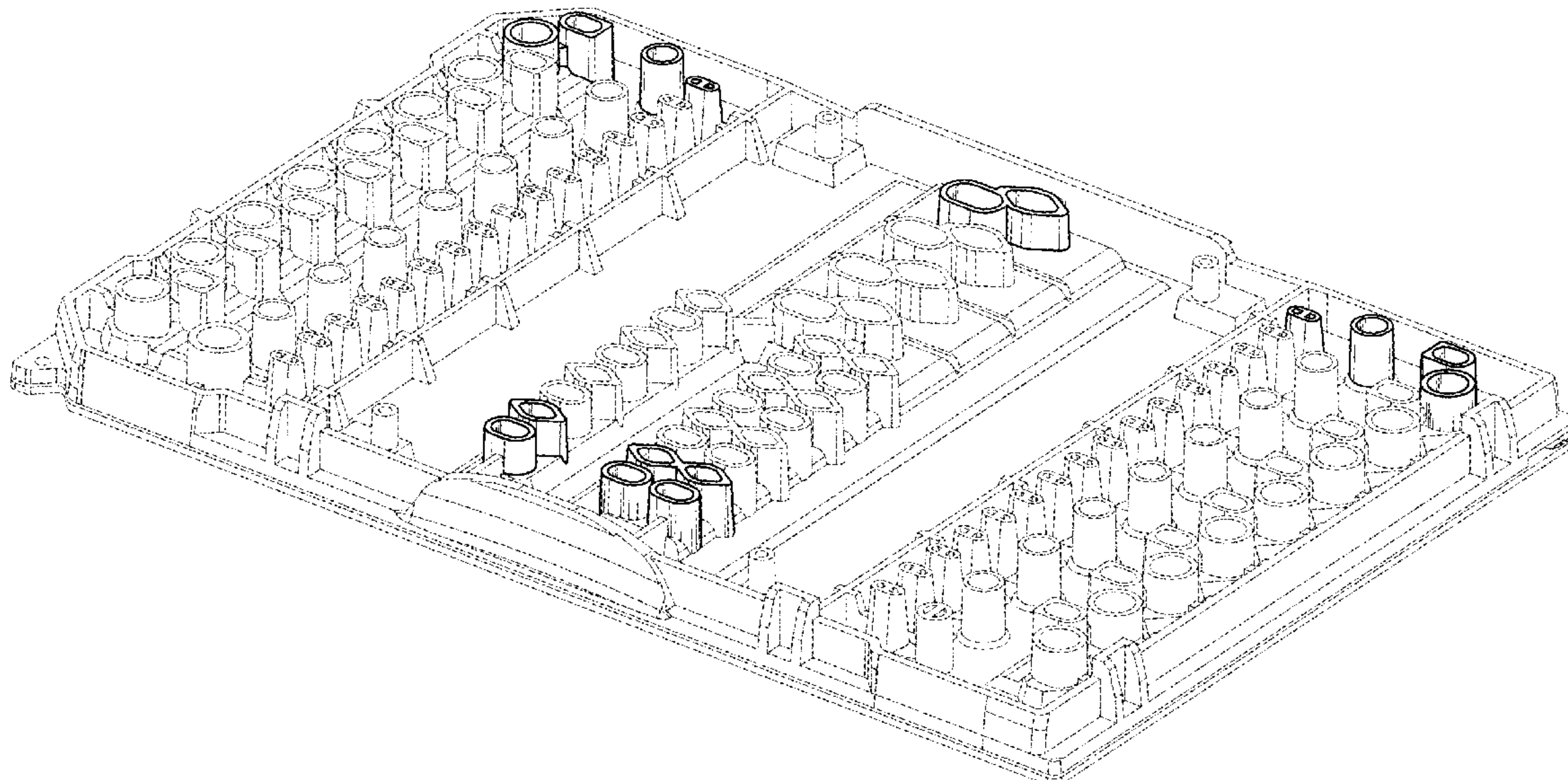
FIG. 5 is a back view of the analysis cartridge of FIG. 1.

FIG. 6 is a left end view of the analysis cartridge of FIG. 1; and,

FIG. 7 is a right end view of the analysis cartridge of FIG. 1.

Broken lines are used to illustrate features of the analysis cartridge which form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

8,105,783 B2 \* 1/2012 Handique ..... B01L 3/5025  
435/6.1

D663,434 S \* 7/2012 Cao ..... D24/216

D669,191 S \* 10/2012 Handique ..... D24/225

D669,594 S \* 10/2012 Cao ..... D24/216

D673,293 S \* 12/2012 Demas ..... D24/226

D674,112 S \* 1/2013 Demas ..... D24/226

D676,145 S \* 2/2013 Kouge ..... D24/225

8,383,039 B2 \* 2/2013 Zhou ..... C12Q 1/6846  
422/501

D679,024 S \* 3/2013 Kouge ..... D24/225

D690,216 S \* 9/2013 O'Bear ..... D10/103

D691,733 S \* 10/2013 Demas ..... D24/226

D710,024 S \* 7/2014 Guo ..... D24/230

D726,330 S \* 4/2015 Hurst ..... D24/227

D728,818 S \* 5/2015 Burroughs ..... D24/230

D729,404 S \* 5/2015 Teich ..... D24/230

D729,942 S \* 5/2015 Keizer ..... D24/226

D730,537 S \* 5/2015 Burroughs ..... D24/226

9,040,288 B2 \* 5/2015 Handique ..... B01L 3/5027  
435/287.2

D732,186 S \* 6/2015 Burroughs ..... D24/226

D733,313 S \* 6/2015 Kouge ..... D24/225

D738,526 S \* 9/2015 Huang ..... D24/224

2006/0153735 A1 \* 7/2006 Nagaoka ..... G01N 21/07  
422/547

2006/0166233 A1 \* 7/2006 Wu ..... B01L 3/502707  
435/6.16

2009/0130719 A1 \* 5/2009 Handique ..... B01L 3/5025  
422/68.1

2010/0150781 A1 \* 6/2010 Ervin ..... G01N 21/774  
422/67

2014/0017124 A1 \* 1/2014 Lee ..... G01N 35/00  
422/68.1

\* cited by examiner



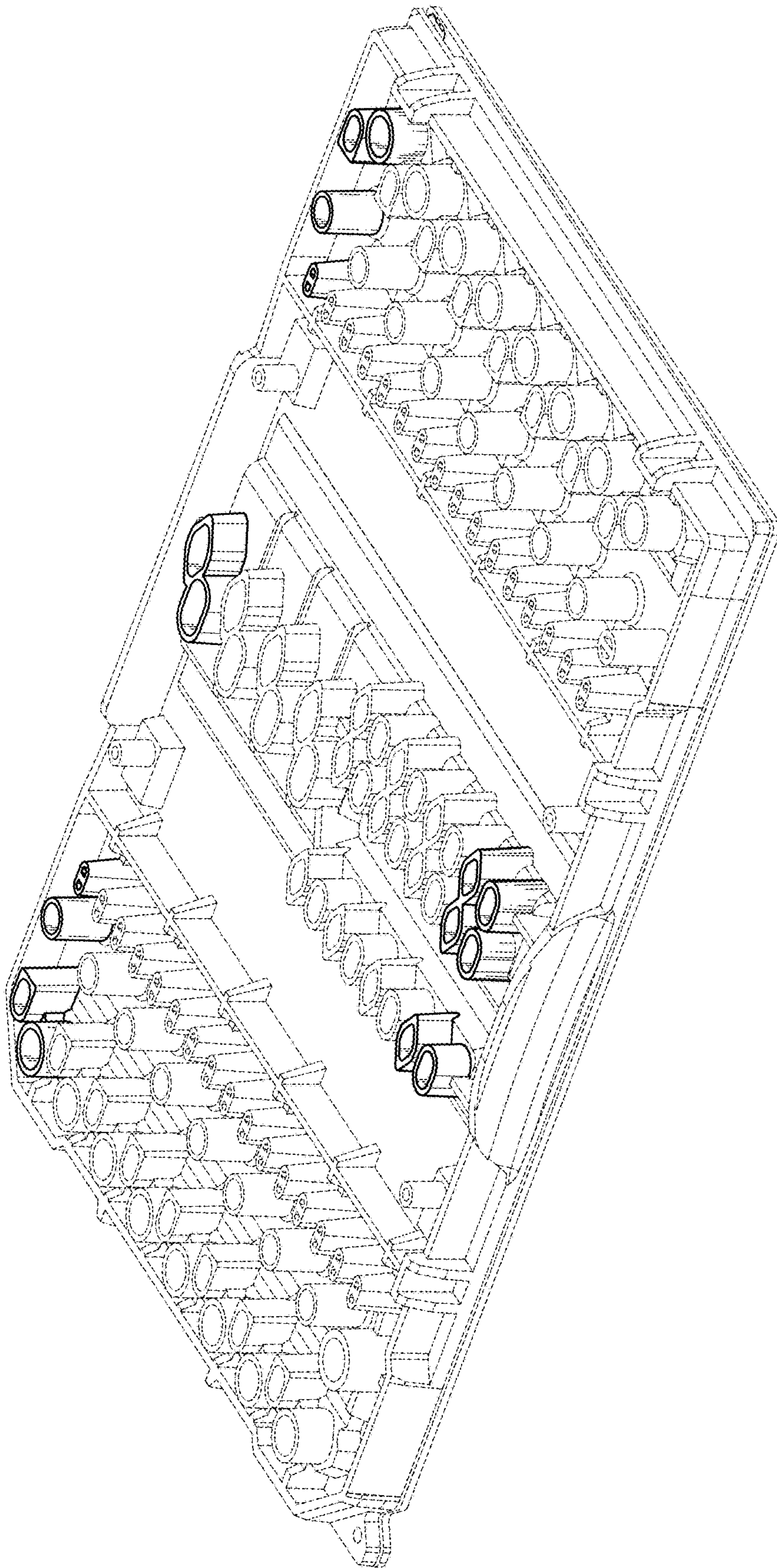


FIG. 1



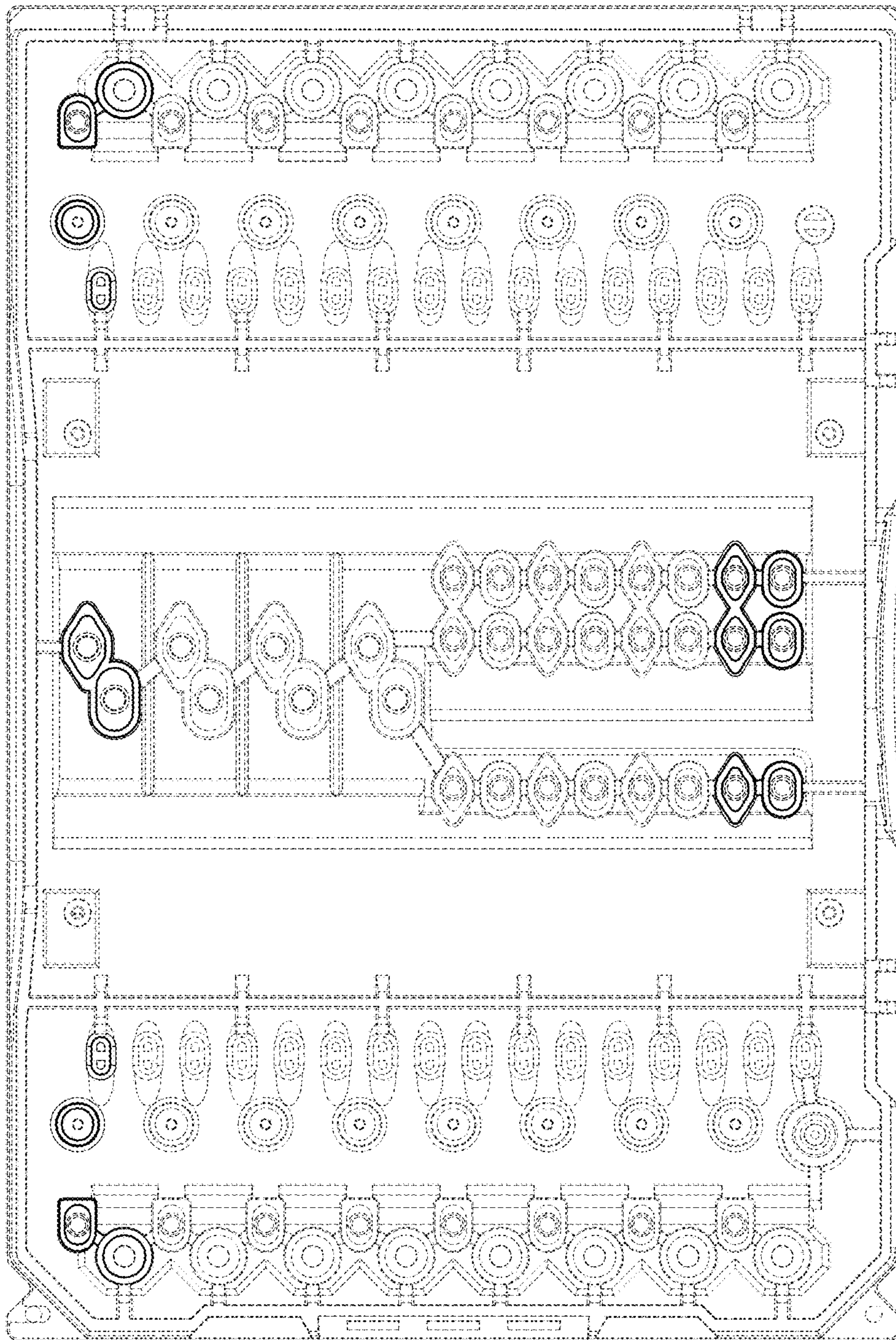


FIG. 2

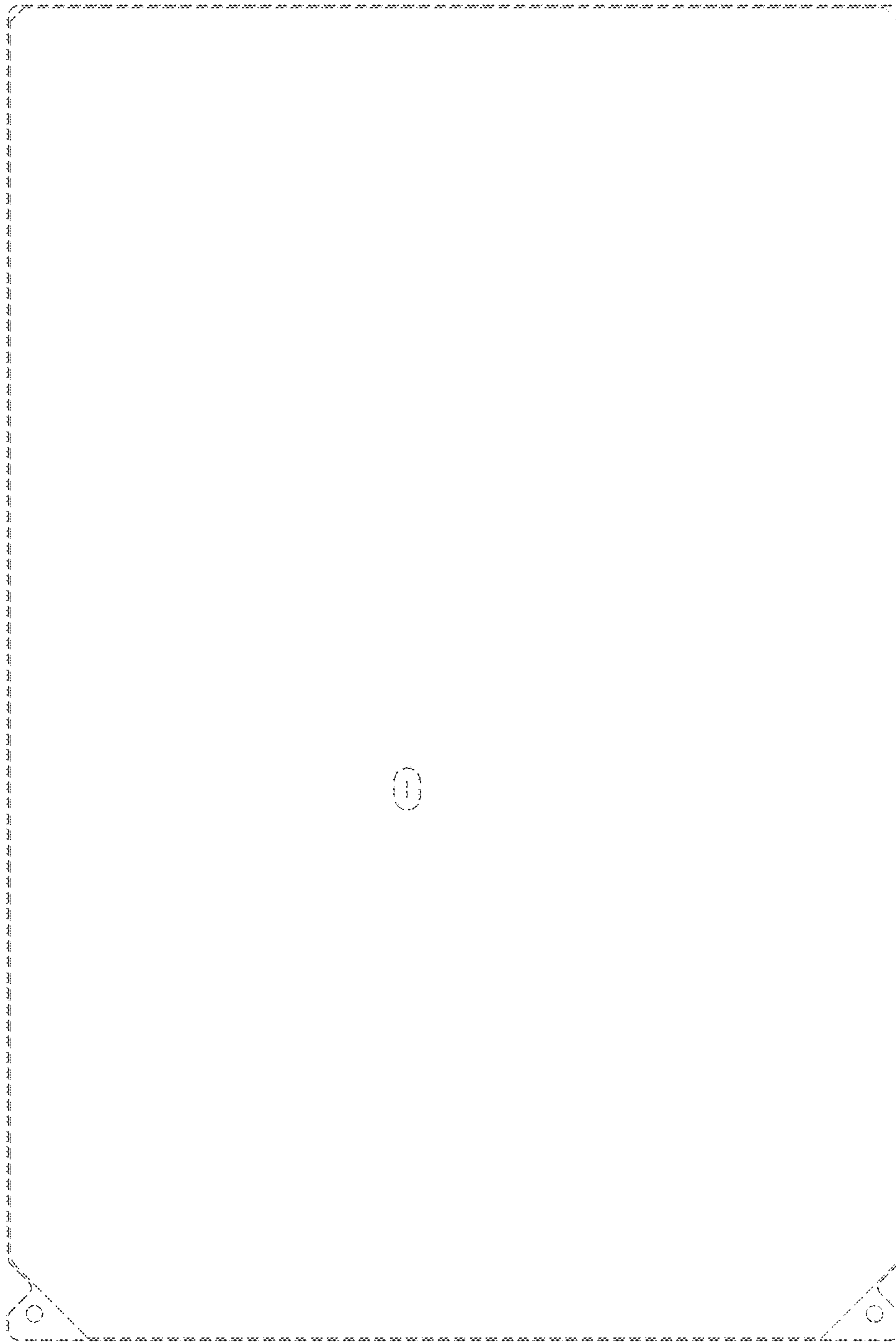


FIG. 3

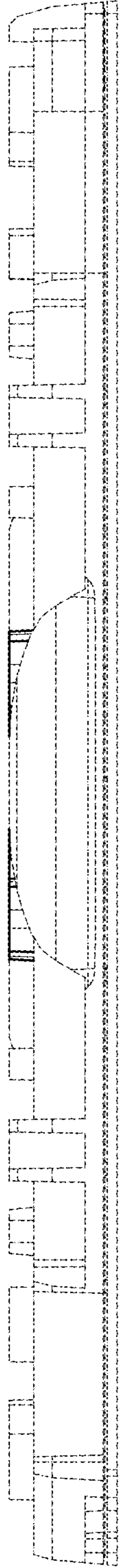


FIG. 4

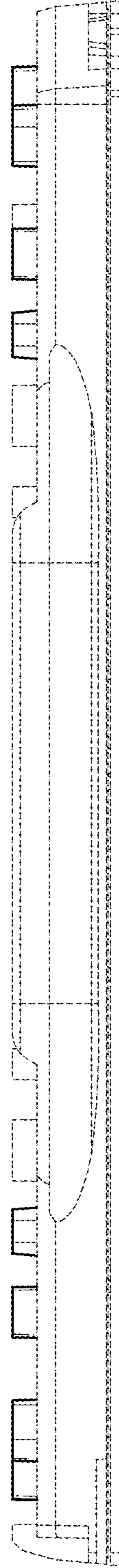


FIG. 5

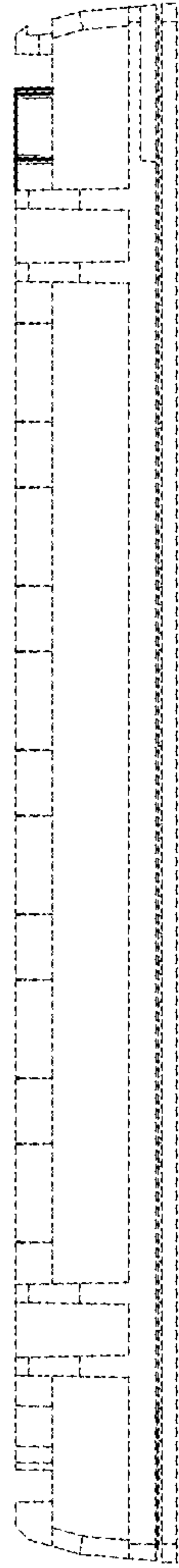


FIG. 6

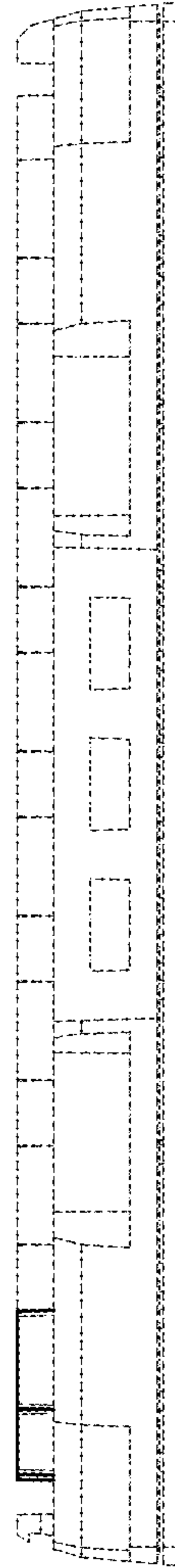


FIG. 7