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**Yi et al.**

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(54) **ANALYSIS CARTRIDGE**

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

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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  
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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)

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(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.

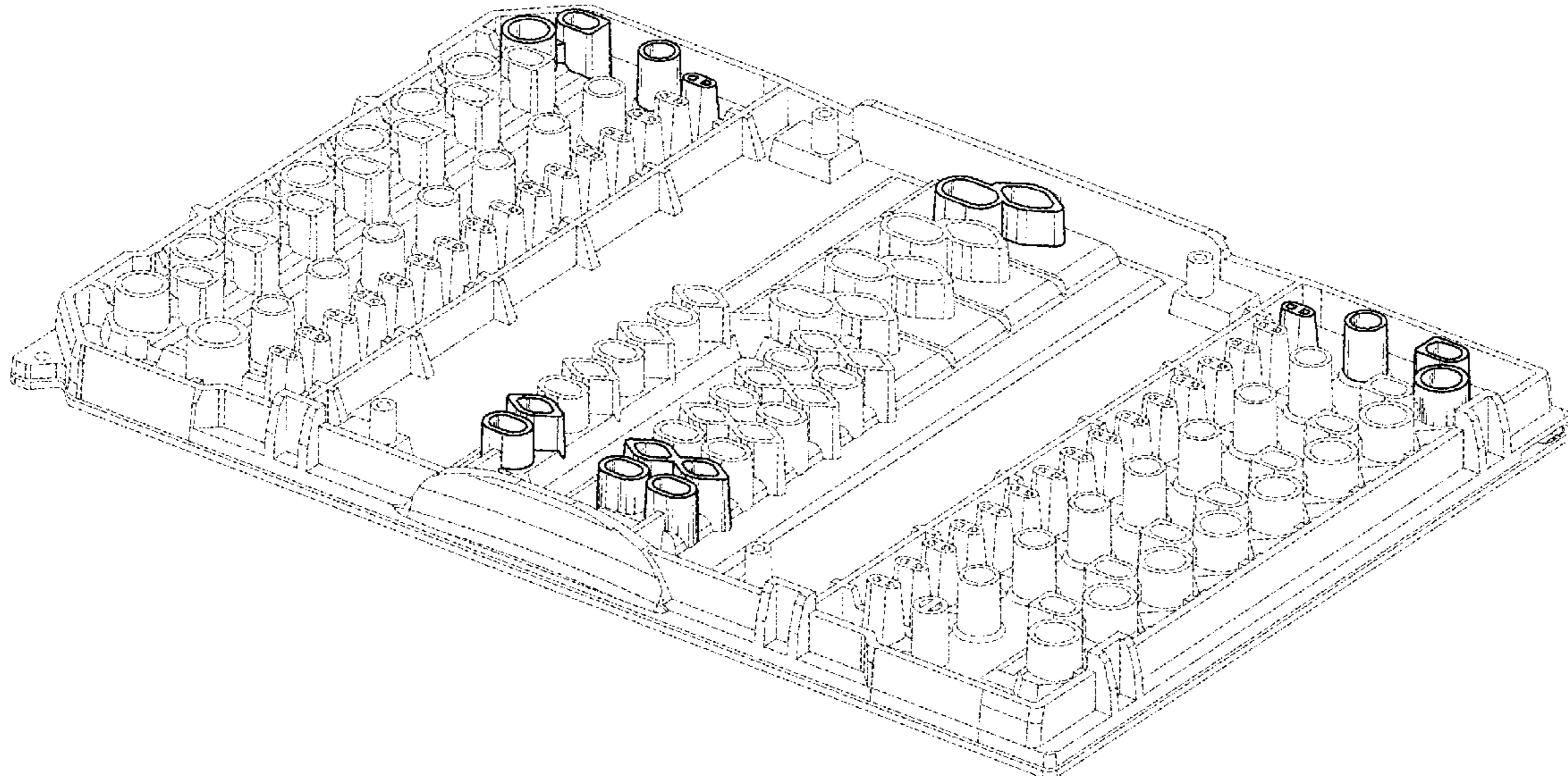
FIG. 5 is a back view of the analysis cartridge of FIG. 1.

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

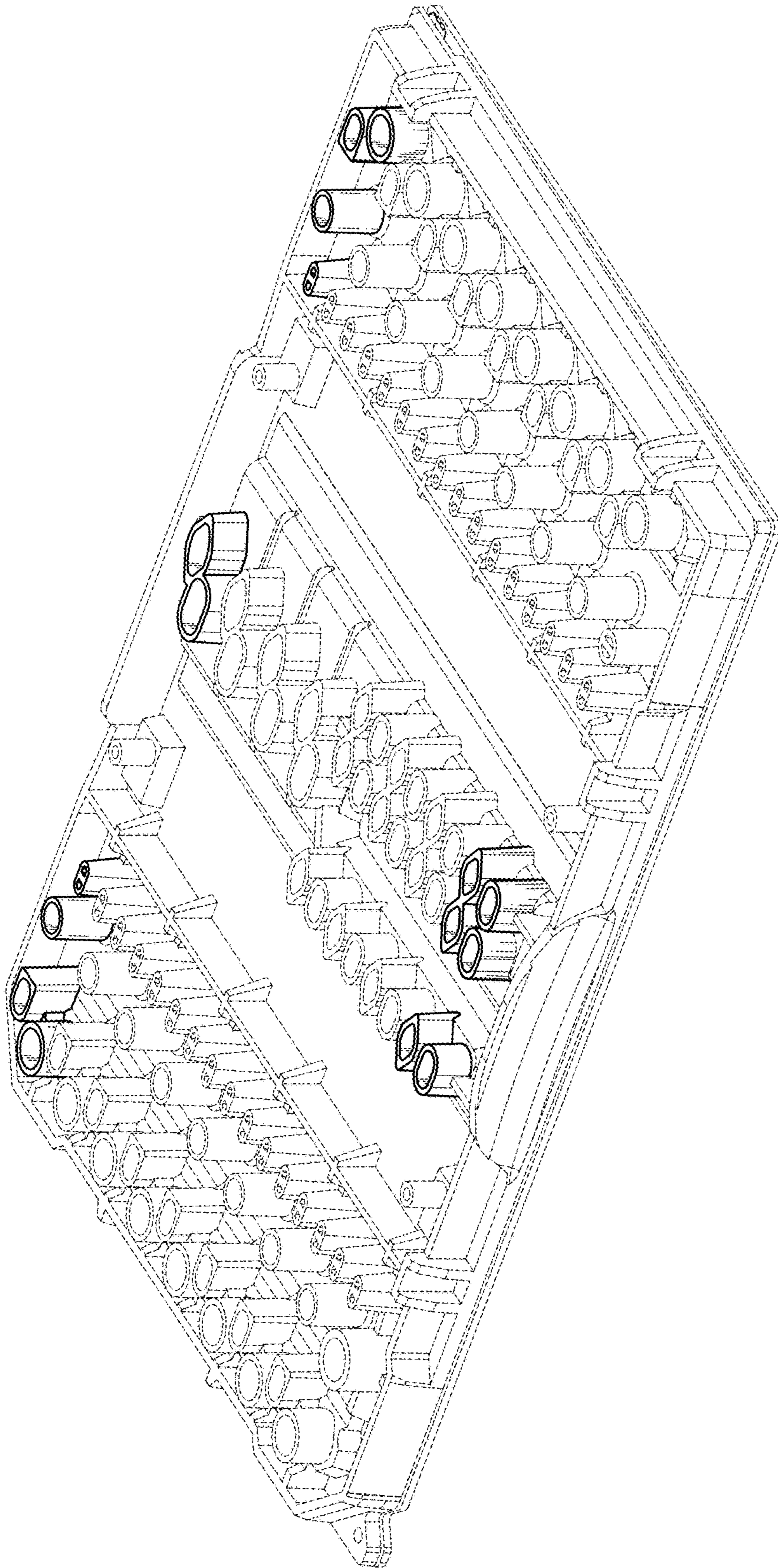


FIG. 1

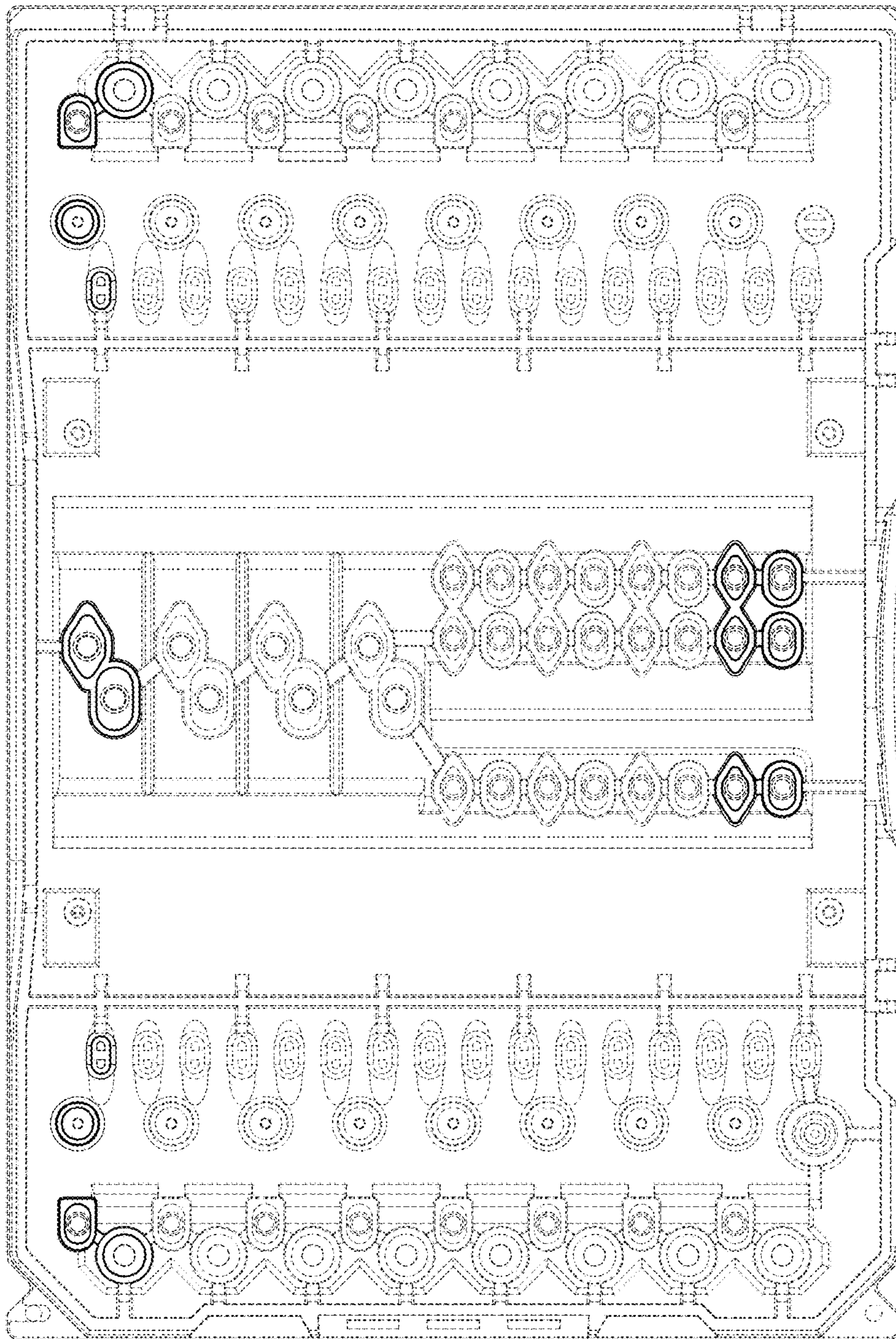


FIG. 2

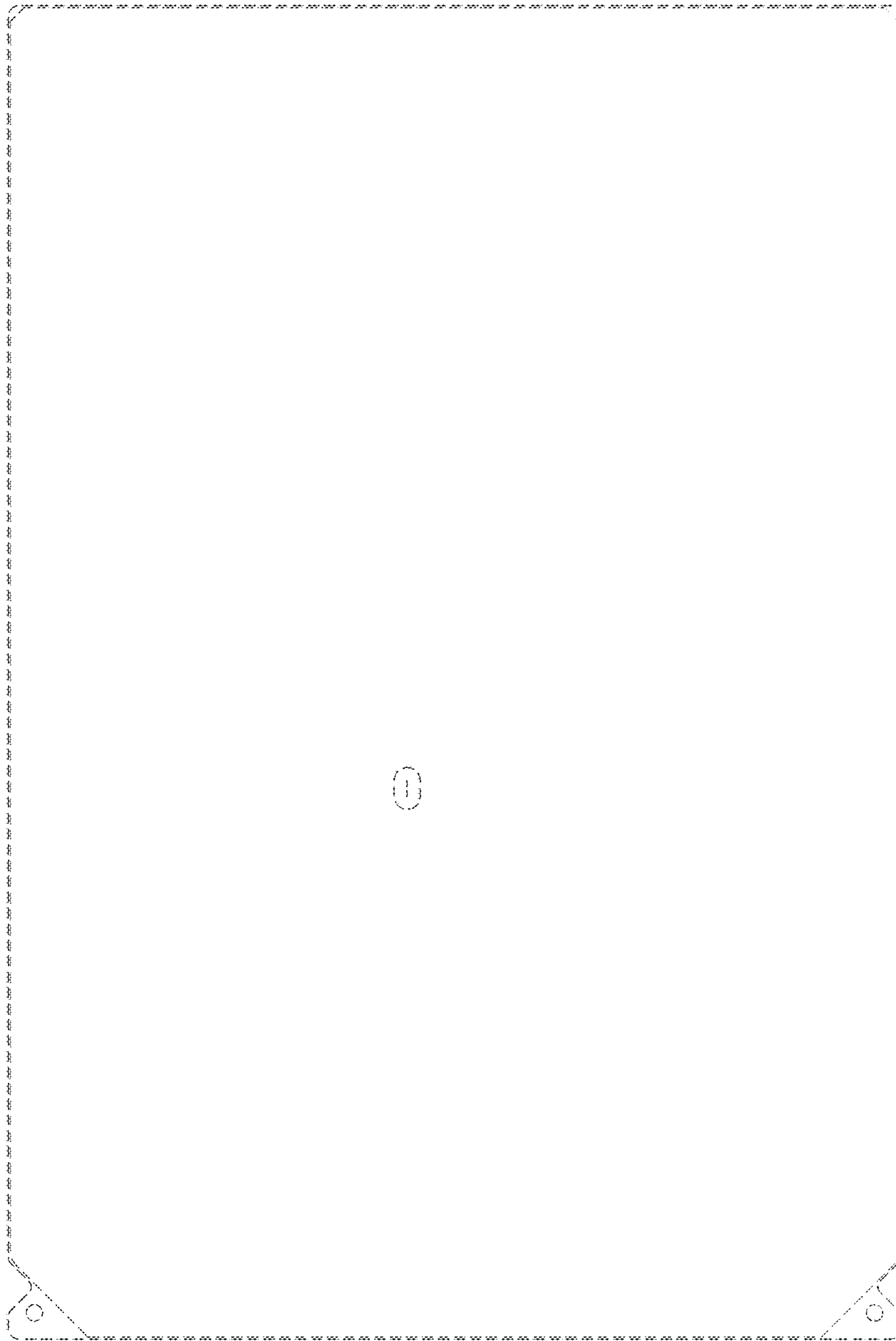


FIG. 3

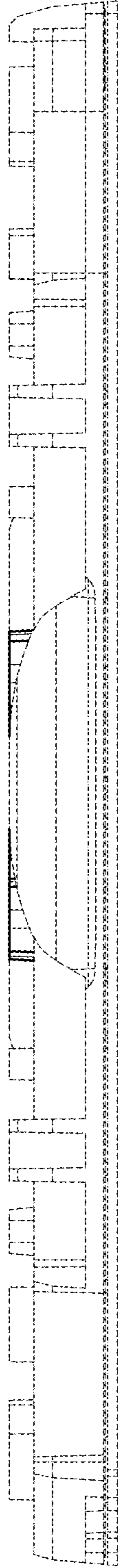


FIG. 4

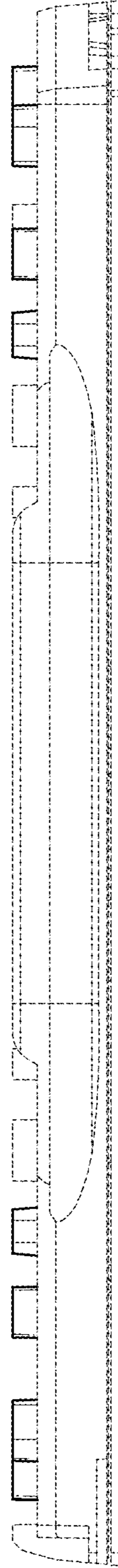


FIG. 5

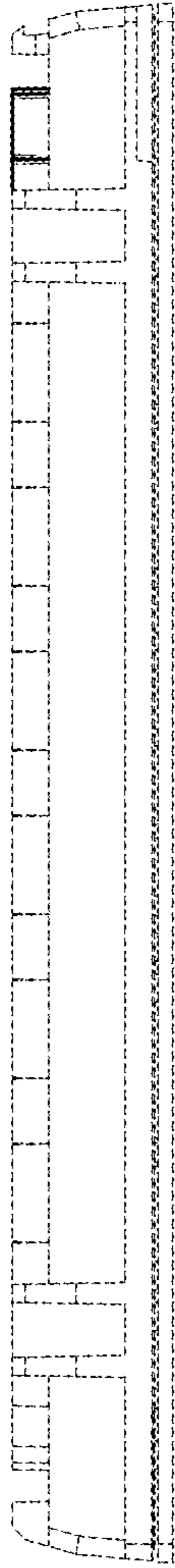


FIG. 6

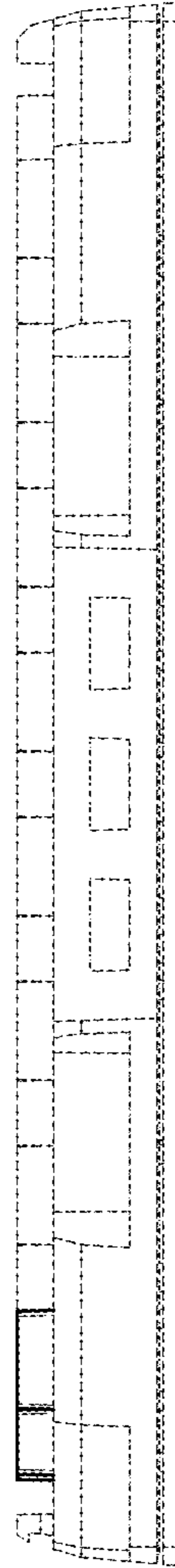


FIG. 7