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(12) **United States Design Patent** (10) **Patent No.:** **US D865,693 S**
Xiang (45) **Date of Patent:** **** Nov. 5, 2019**

(54) **HIGH DENSITY FIBER ENCLOSURE**

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

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(52) **U.S. Cl.**
USPC **D13/184**; D13/152; D14/313

(58) **Field of Classification Search**
USPC D14/300-304, 308-314, 328, 348-370,
D14/432, 435, 440-441, 443-446,
D14/479-480, 481-483, 140.1, 140.4,
D14/164, 193; D13/123, 152, 154, 158,
D13/184, 199

CPC G02B 6/4446; G02B 6/4447; G02B 6/445;
G02B 6/4472; G02B 6/4452; G02B
6/4455; G02B 6/4453

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D370,891 S *	6/1996	Keith	.....	D13/184
5,946,440 A *	8/1999	Puetz	.....	G02B 6/4455 385/135
D419,533 S *	1/2000	Smith	.....	D13/184
D422,265 S *	4/2000	Noble	.....	D13/152
D425,492 S *	5/2000	Johnston	.....	D14/140.4
D425,872 S *	5/2000	Johnston	.....	D14/140.4
D431,532 S *	10/2000	Noble	.....	D13/152
D496,907 S *	10/2004	Hwang	.....	G02B 6/4277 D13/123
D566,704 S *	4/2008	Cutting	.....	D14/313
D638,367 S *	5/2011	Isaacks	.....	D13/139.4

(Continued)

OTHER PUBLICATIONS

Upgrading 4U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded, posted at Fiberstore, review posted Nov. 3, 2018. Site visited Jun. 21, 2019. URL: <https://www.fs.com/products/73206.html> (Year: 2018).*

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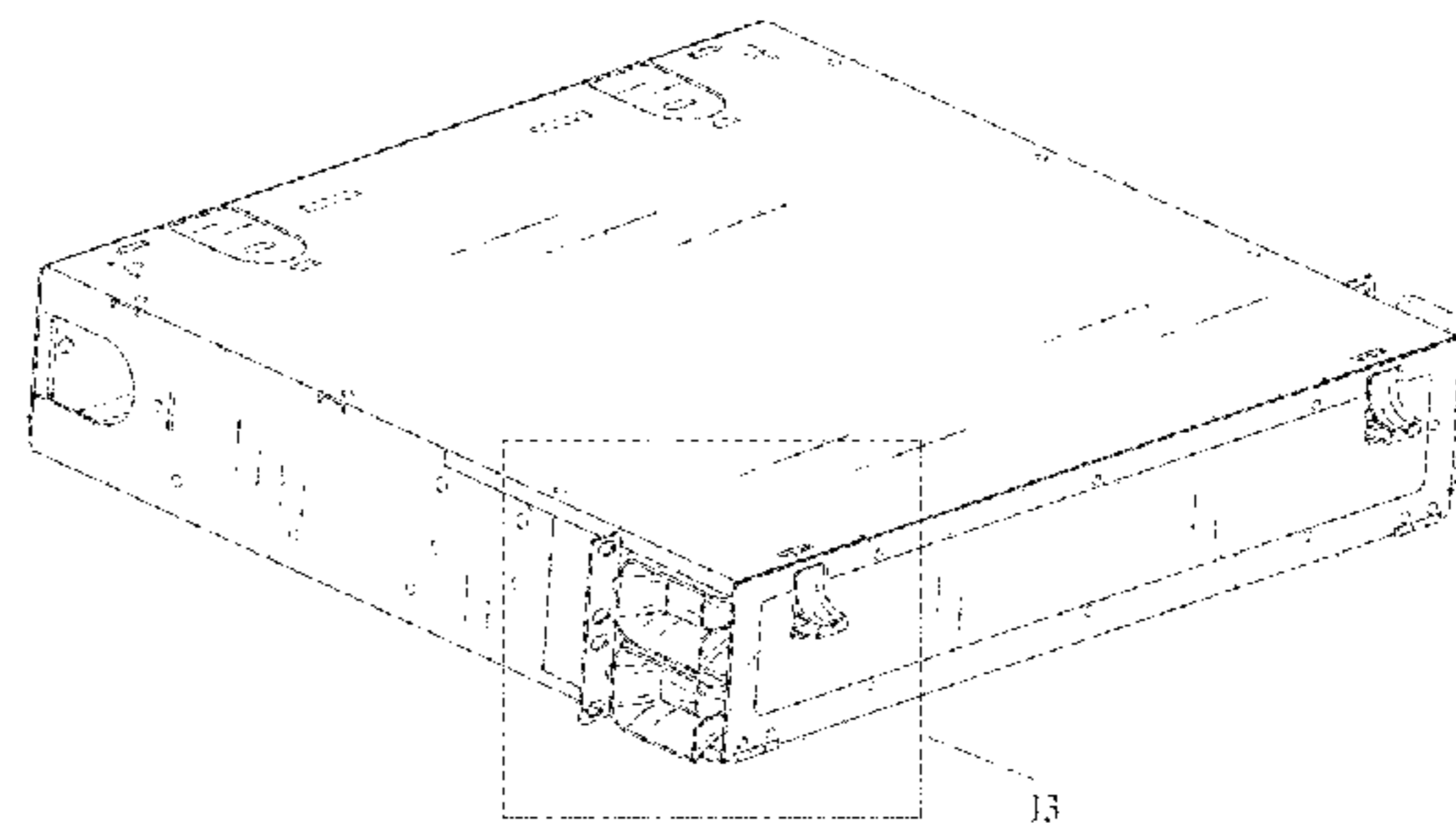
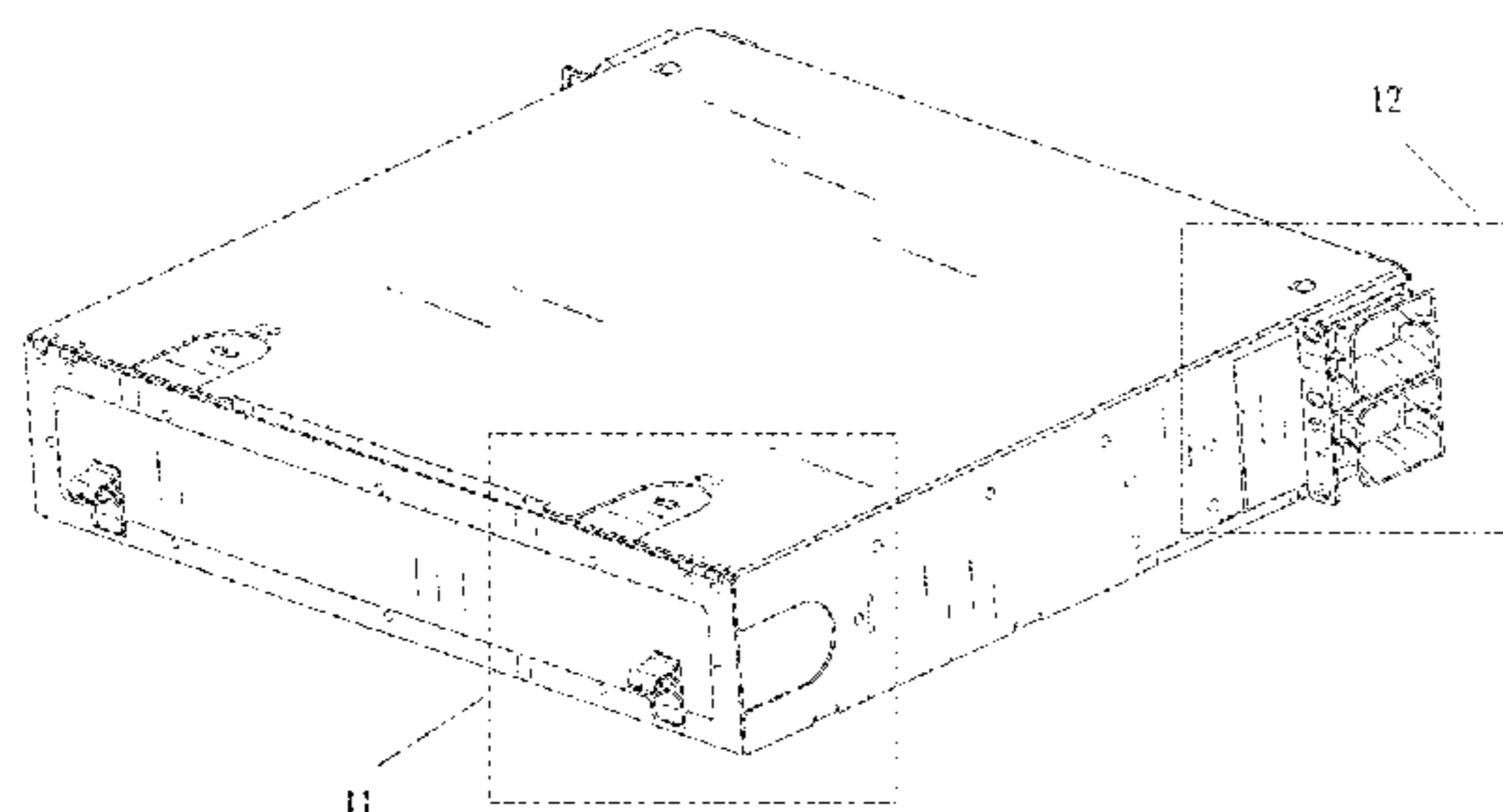
(57) **CLAIM**

The ornamental design for a high density fiber enclosure, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a high density fiber enclosure showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a bottom, rear and left side perspective view thereof;
FIG. 8 is a top, front and right side perspective view thereof;
FIG. 9 is an enlarged view of portion 9 in FIG. 3;
FIG. 10 is an enlarged view of portion 10 in FIG. 3;
FIG. 11 is an enlarged view of portion 11 in FIG. 7;
FIG. 12 is an enlarged view of portion 12 in FIG. 7; and,
FIG. 13 is an enlarged view of portion 13 in FIG. 8.
The broken lines in the drawings illustrate portions of the high density fiber enclosure which form no part of the claimed design.

1 Claim, 13 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D644,996 S * 9/2011 Hsu D13/147
 D670,653 S * 11/2012 Severing D13/146
 D702,198 S * 4/2014 Gretz D13/152
 D713,347 S * 9/2014 Ueda D13/147
 D722,975 S * 2/2015 Debone D13/152
 D726,656 S * 4/2015 Shimada D13/147
 D740,230 S * 10/2015 Leung D13/152
 D770,984 S * 11/2016 Leung D13/152
 D781,788 S * 3/2017 Seo D13/152
 D795,815 S * 8/2017 Mikawa D13/147
 D801,279 S * 10/2017 Hayashi D13/147
 D832,211 S * 10/2018 Ladd D13/110
 10,191,238 B1 * 1/2019 Monaghan G02B 6/4471
 2010/0054686 A1 * 3/2010 Cooke G02B 6/4471
 385/135
 2010/0220968 A1 * 9/2010 Dagley G02B 6/4452
 385/135
 2011/0122573 A1 * 5/2011 Peng G06F 1/20
 361/679.48
 2015/0219866 A1 * 8/2015 Veatch G02B 6/445
 385/135
 2018/0129008 A1 * 5/2018 Gonzalez Covarrubias
 G02B 6/4455
 2018/0157000 A1 * 6/2018 Bakatsias G02B 6/4455

OTHER PUBLICATIONS

Upgrading 2U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded, posted at Fiberstore, review posted Jan. 21, 2019. Site visited Jun. 21, 2019. URL: <<https://www.fs.com/products/73205.html>> (Year: 2019).*

Corning Rack Mount Fiber Optic Patch Panel Installation Instruction, posted at Fosco Connect, dated Nov. 18, 2010. Site visited Jun. 21, 2019. URL: <<https://www.fiberoptics4sale.com/blogs/archive-posts/95047622-corning-rack-mount-fiber-optic-patch-panel-installation-instruction-cch-01u-and-cch-02u>> (Year: 2010).*

Fiber Optic Indoor Rack Mount Enclosure, posted at AM Products, posting date Jun. 12, 2017. Site visited Jun. 21, 2019. URL: <<https://amprod.us/rack-mount-8012/>> (Year: 2017).*

RTS Series—Rack Mount Fiber Enclosures, posted at Optical Cable Corporation, posting date Jan. 29, 2014. Site visited Jun. 21, 2019. URL: <<http://www.occfiber.com/product/rts-series-rack-mount-fiber-enclosures/>> (Year: 2014).*

* cited by examiner

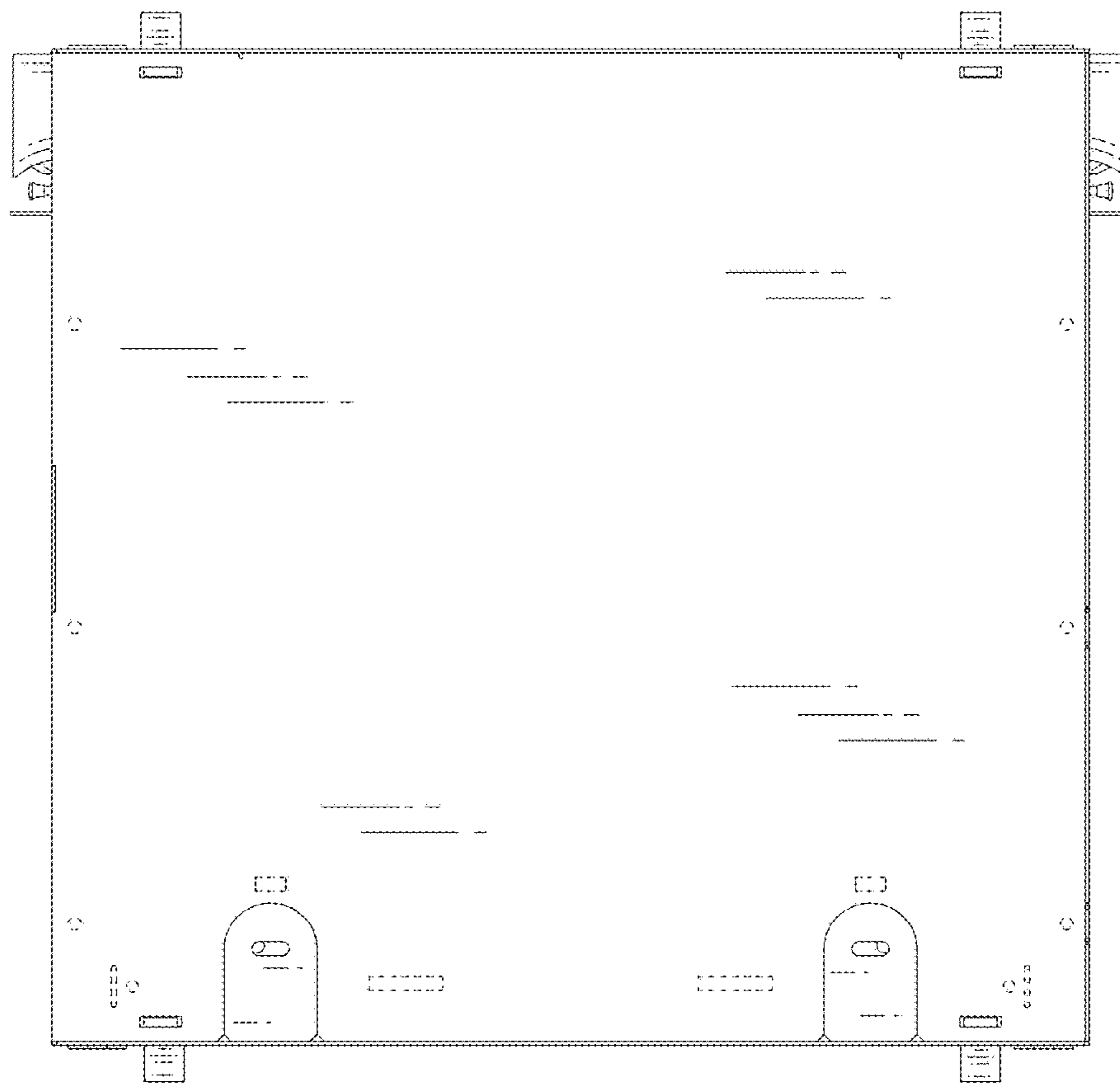


Fig. 1

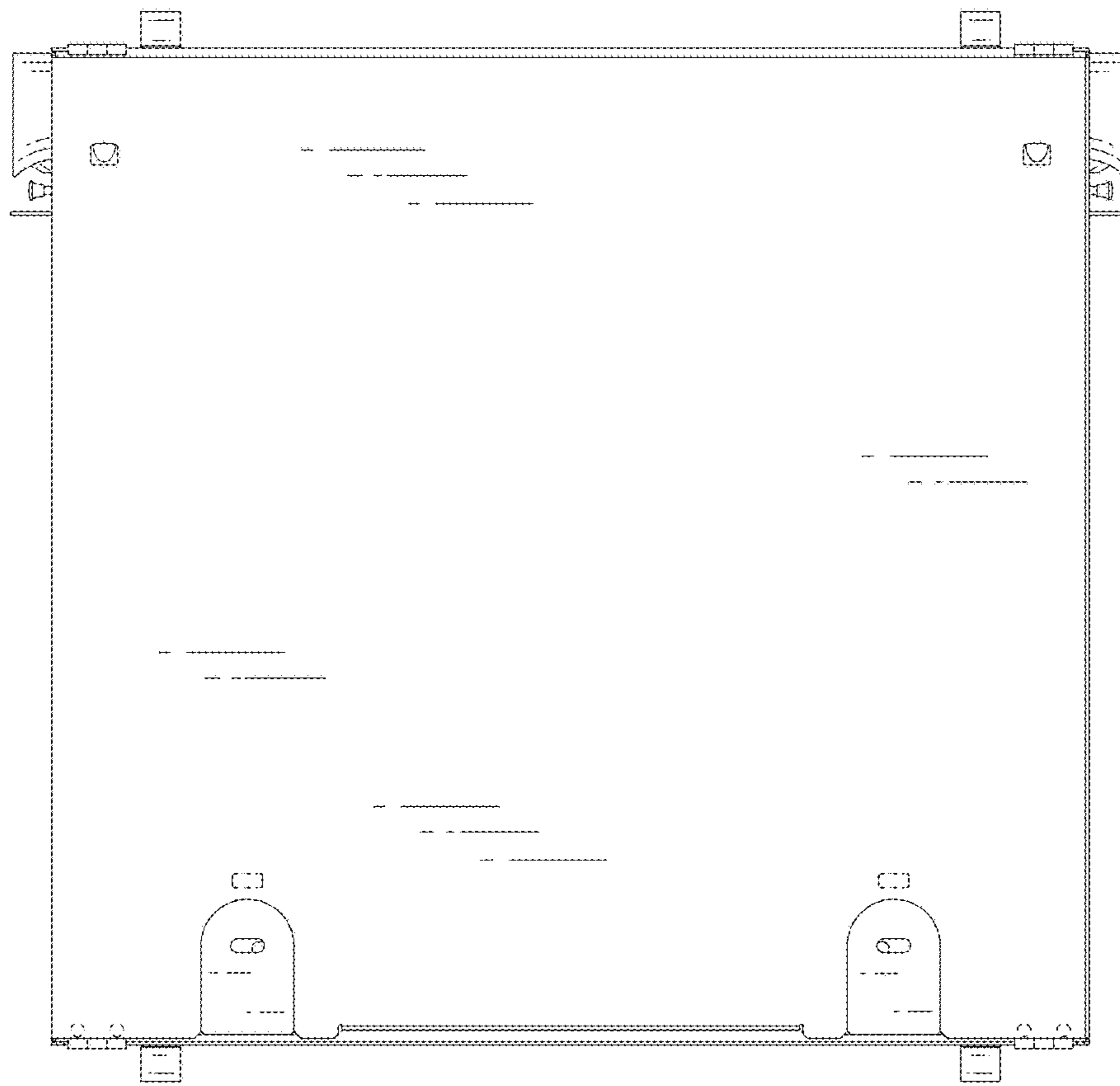


Fig. 2

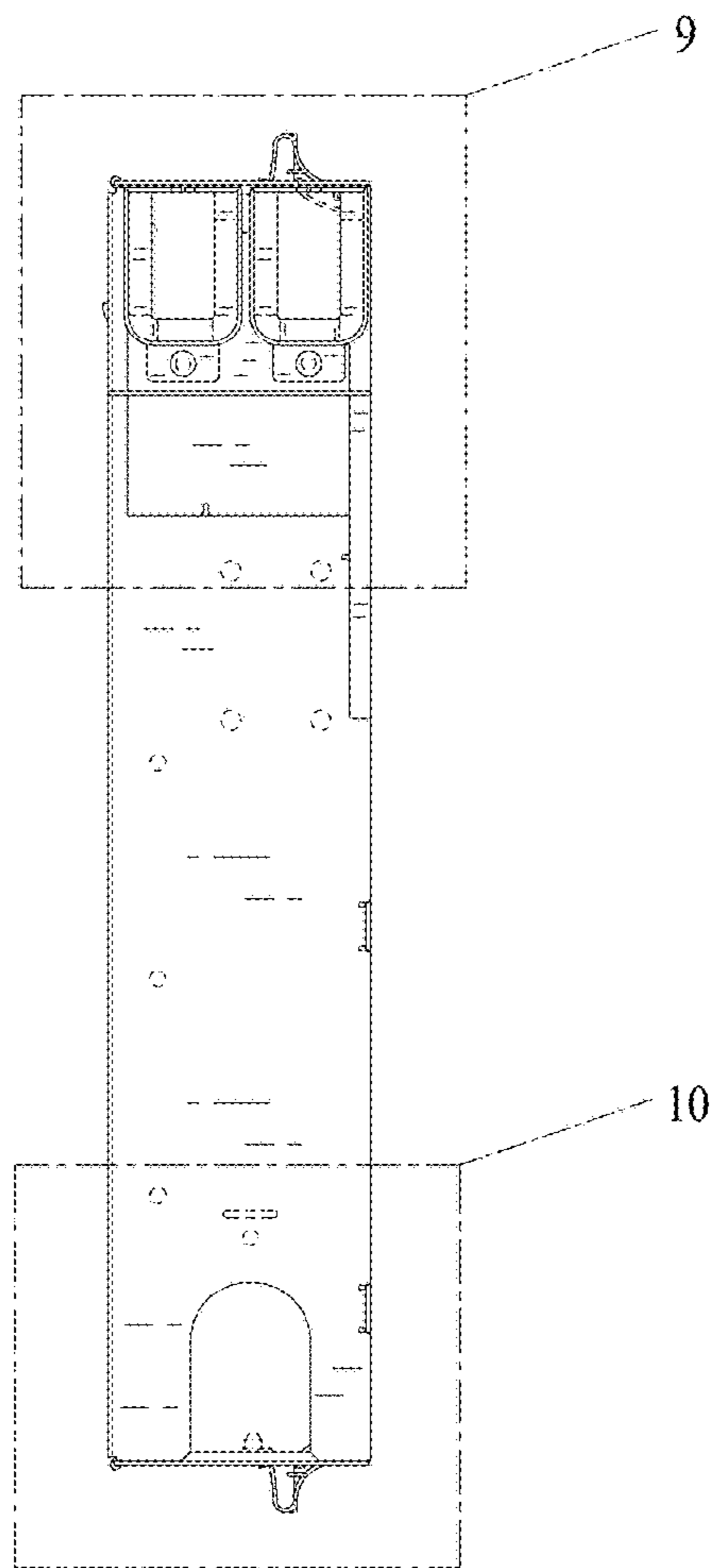


Fig.3

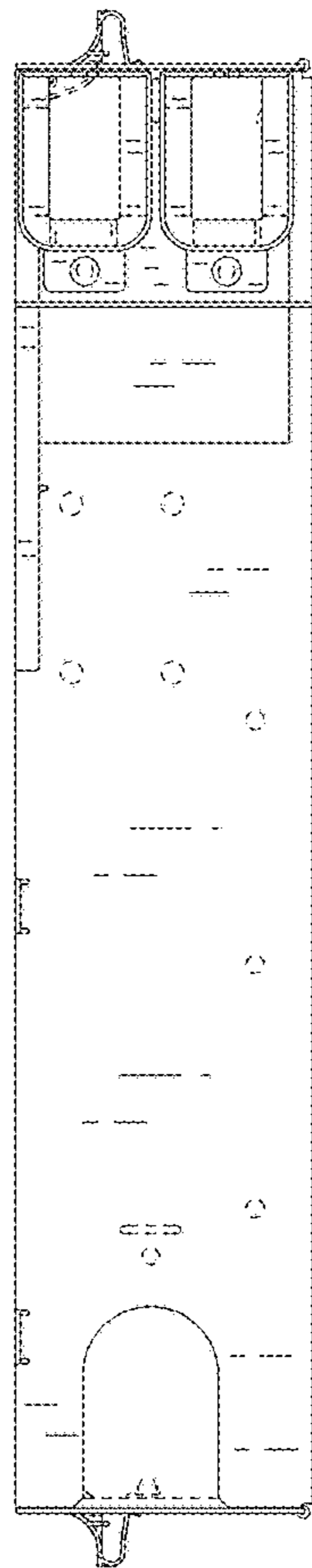


Fig. 4

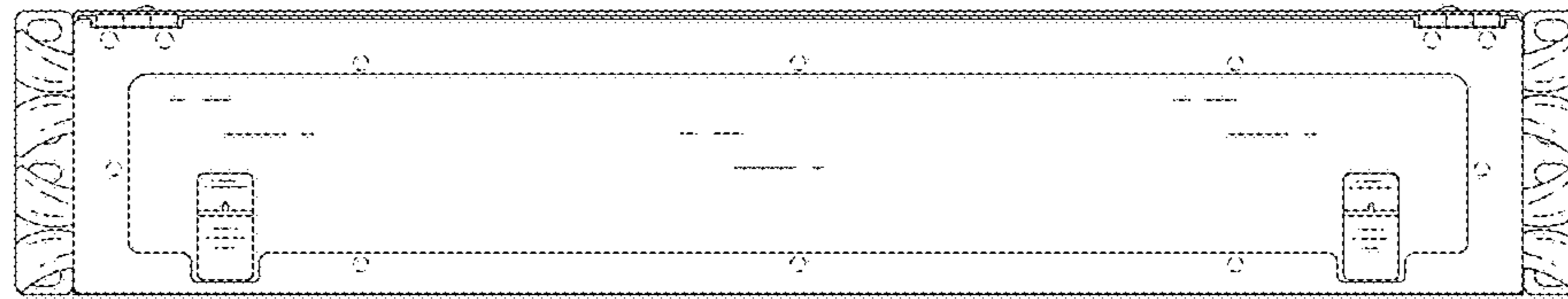


Fig.5

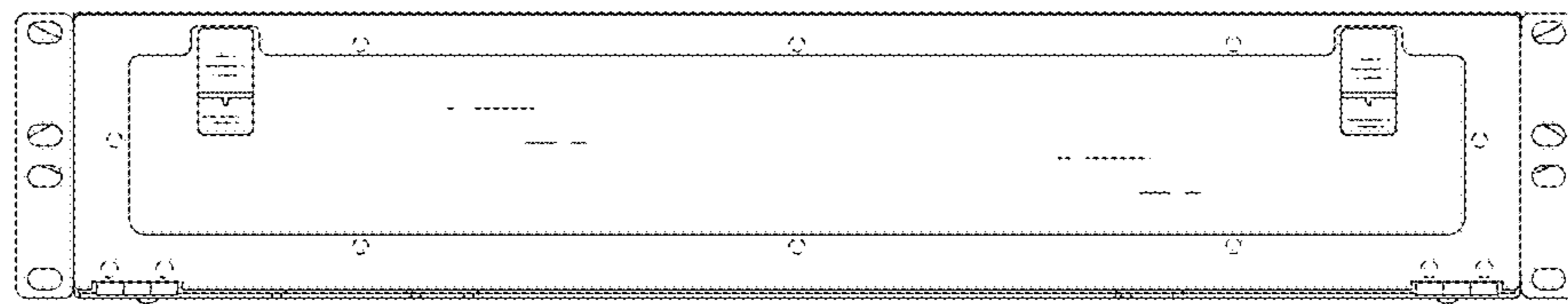


Fig. 6

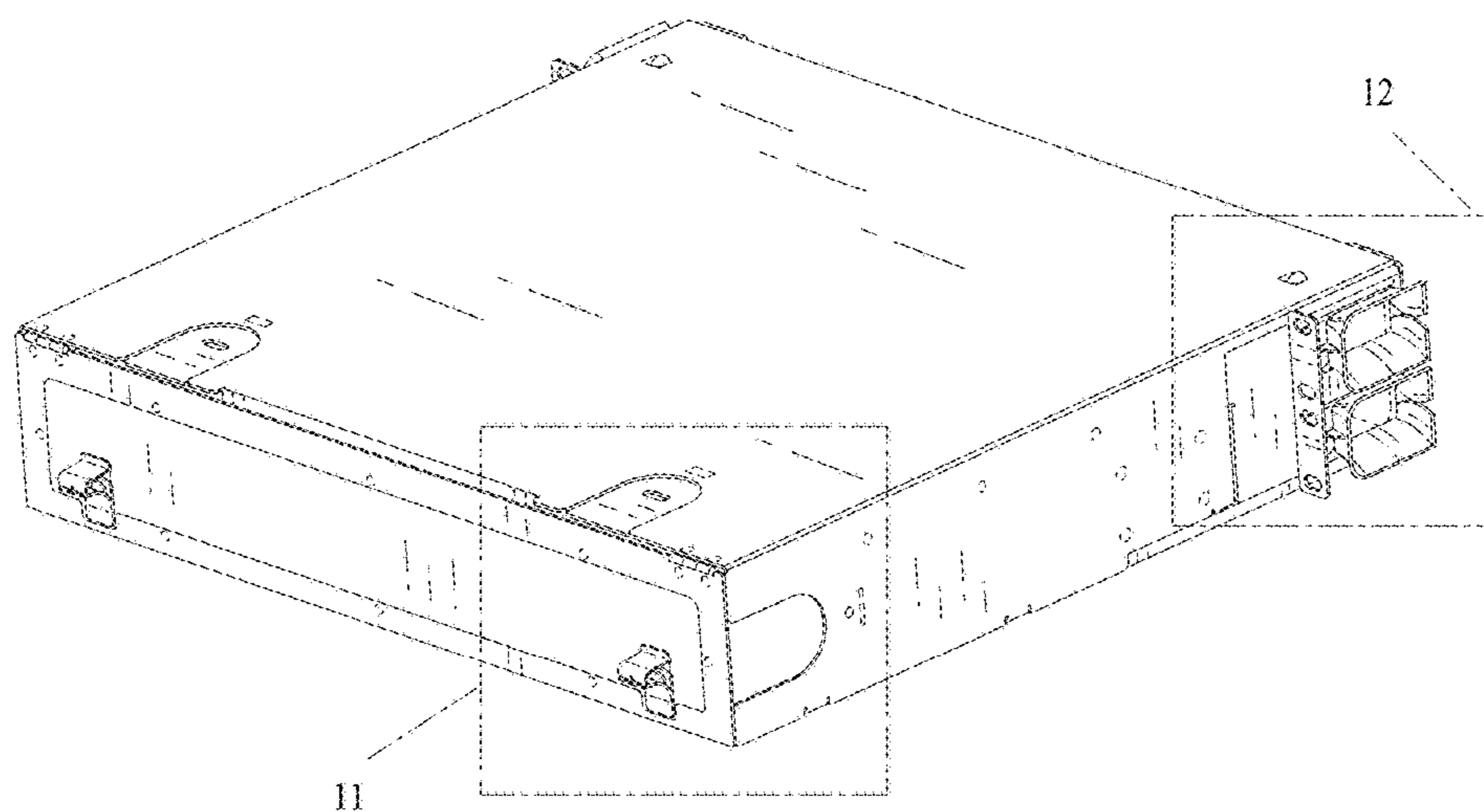


Fig. 7

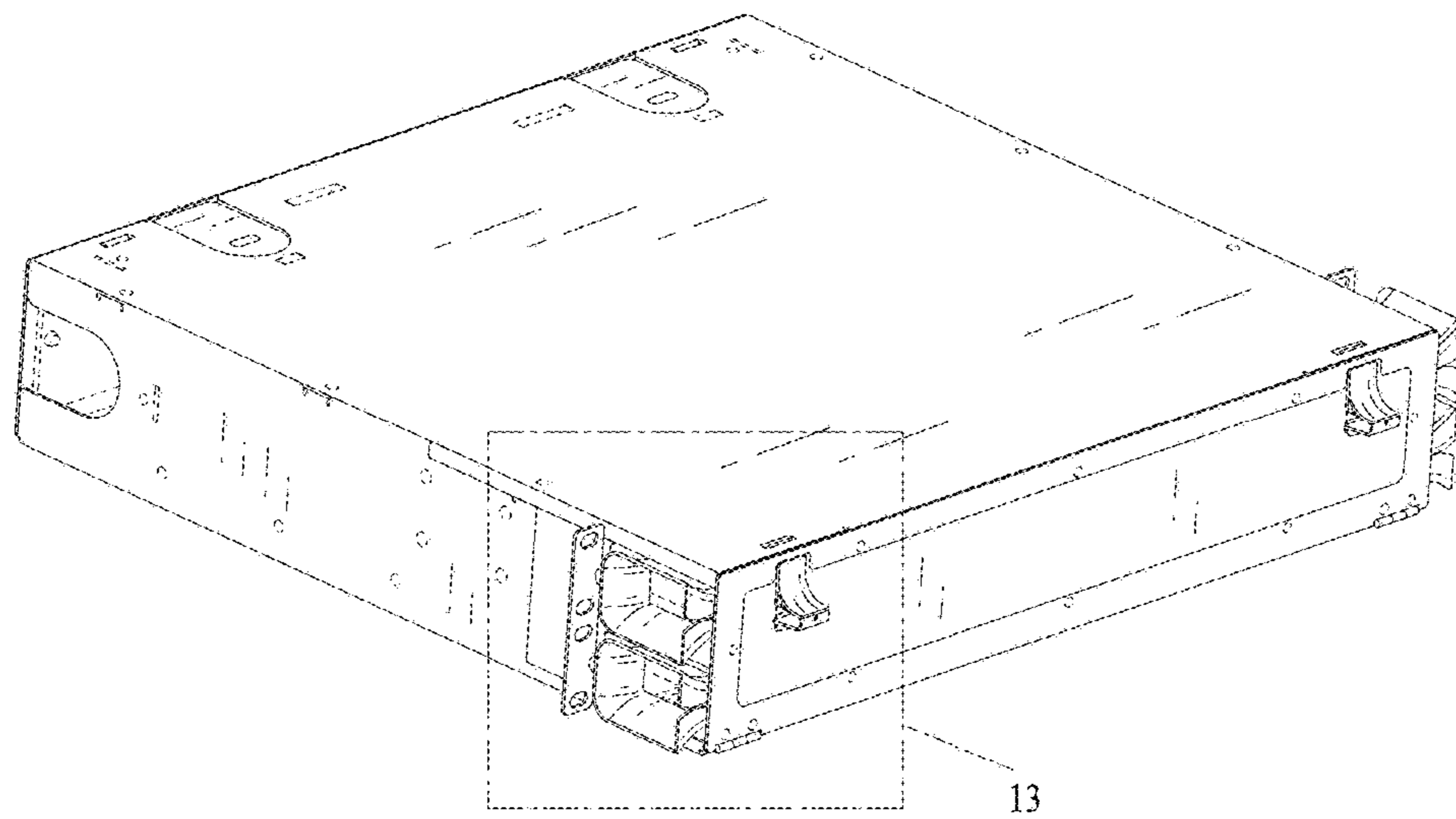


Fig. 8

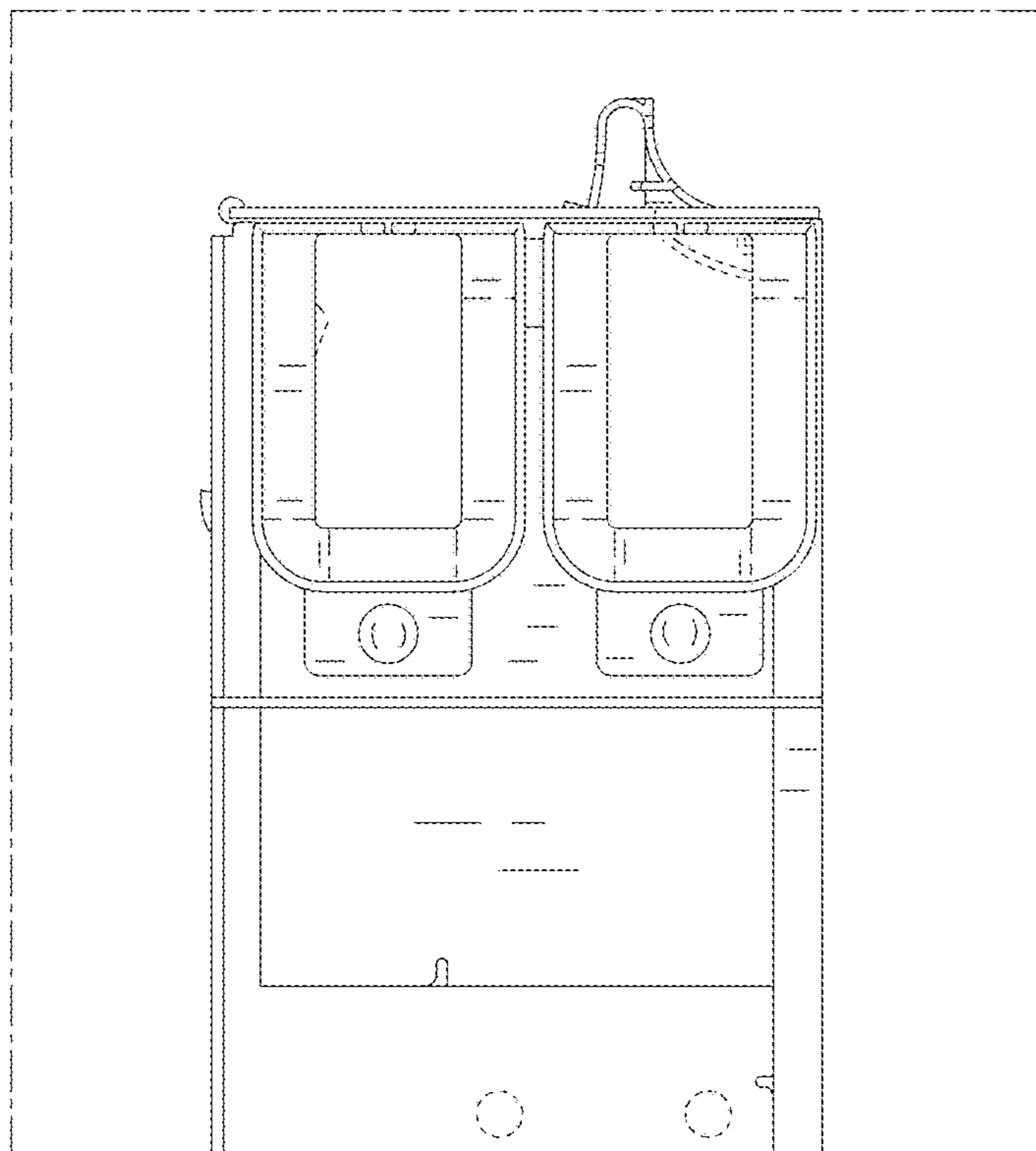


Fig. 9

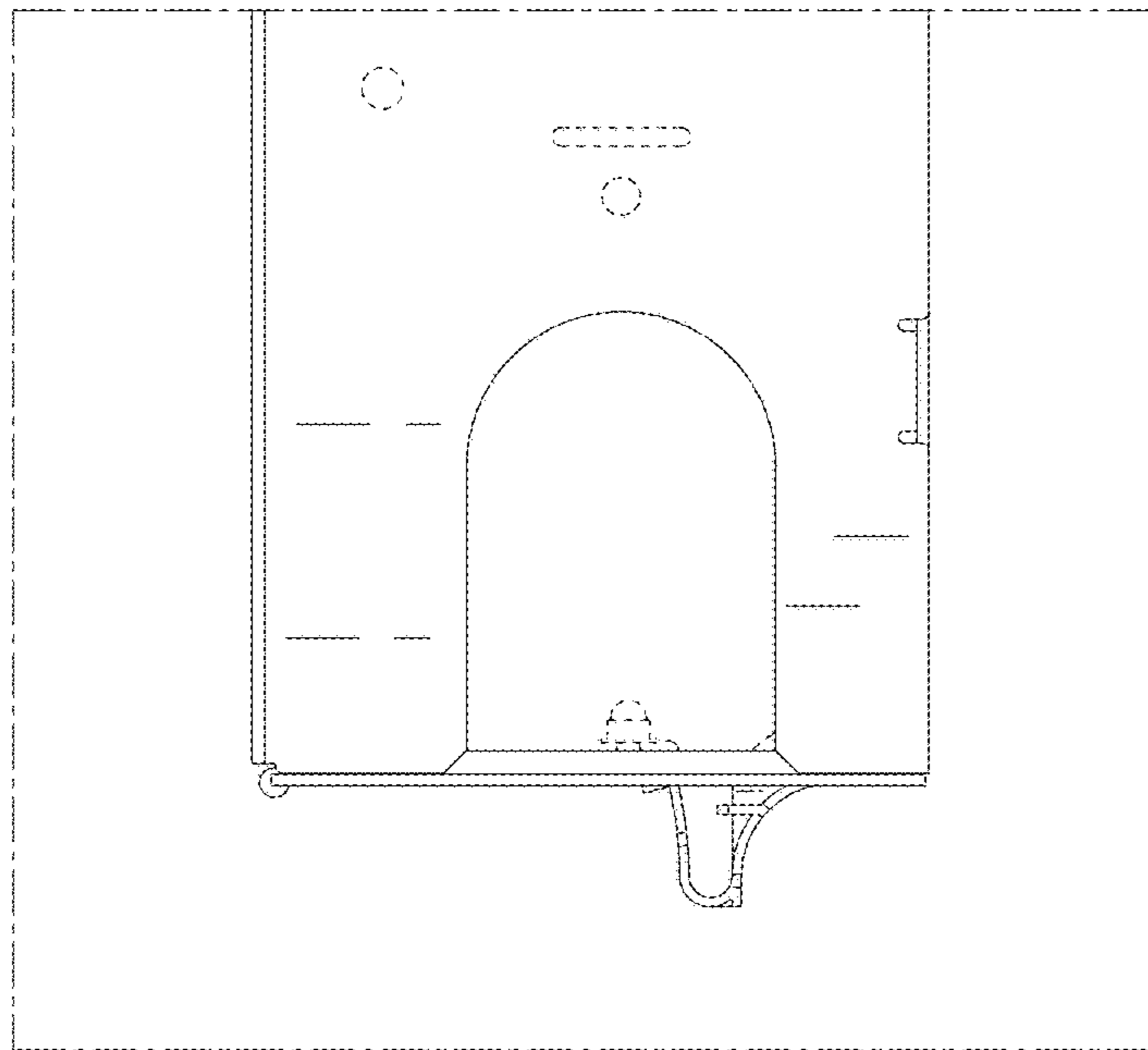


Fig. 10

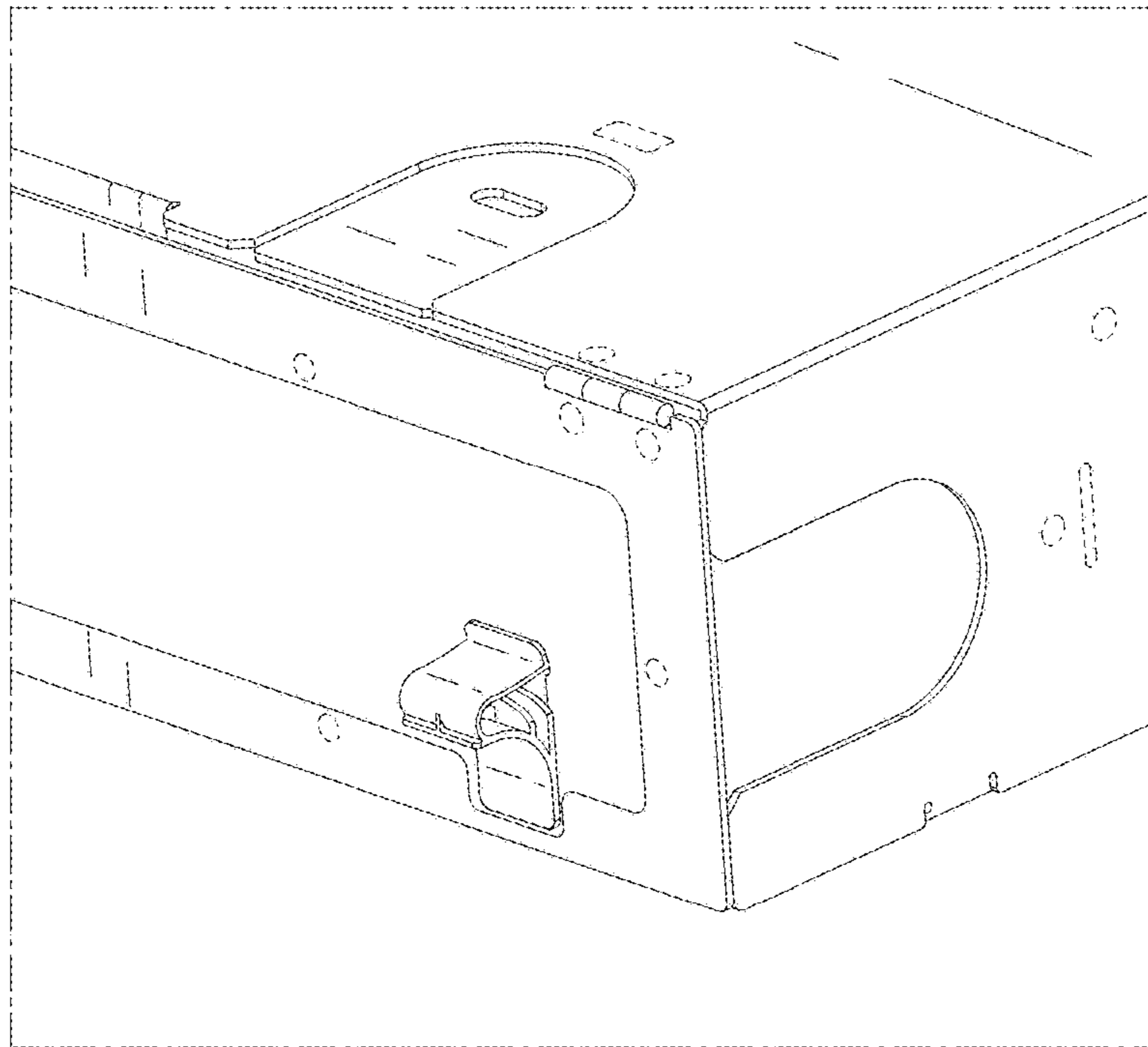


Fig. 11

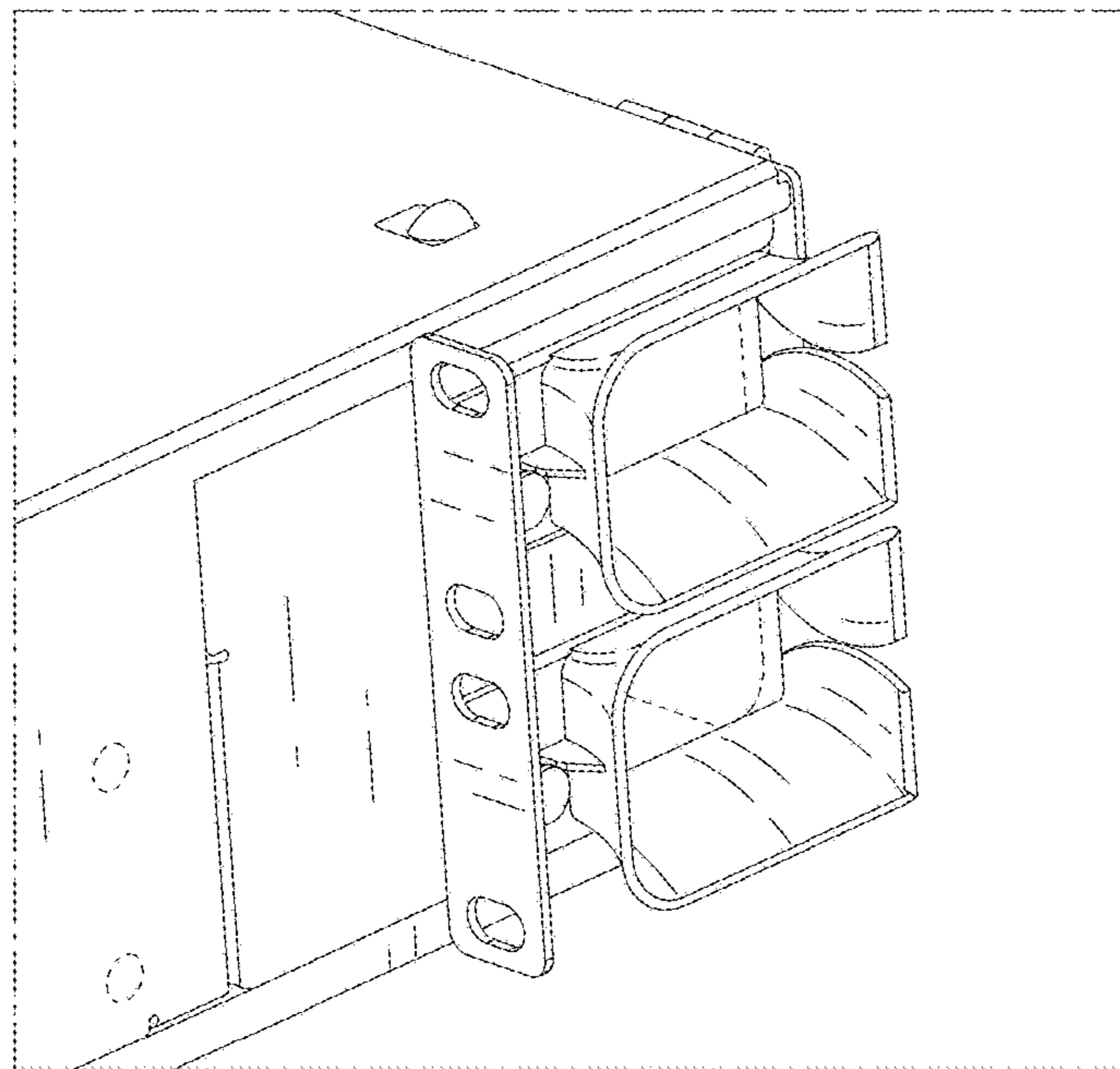


Fig. 12

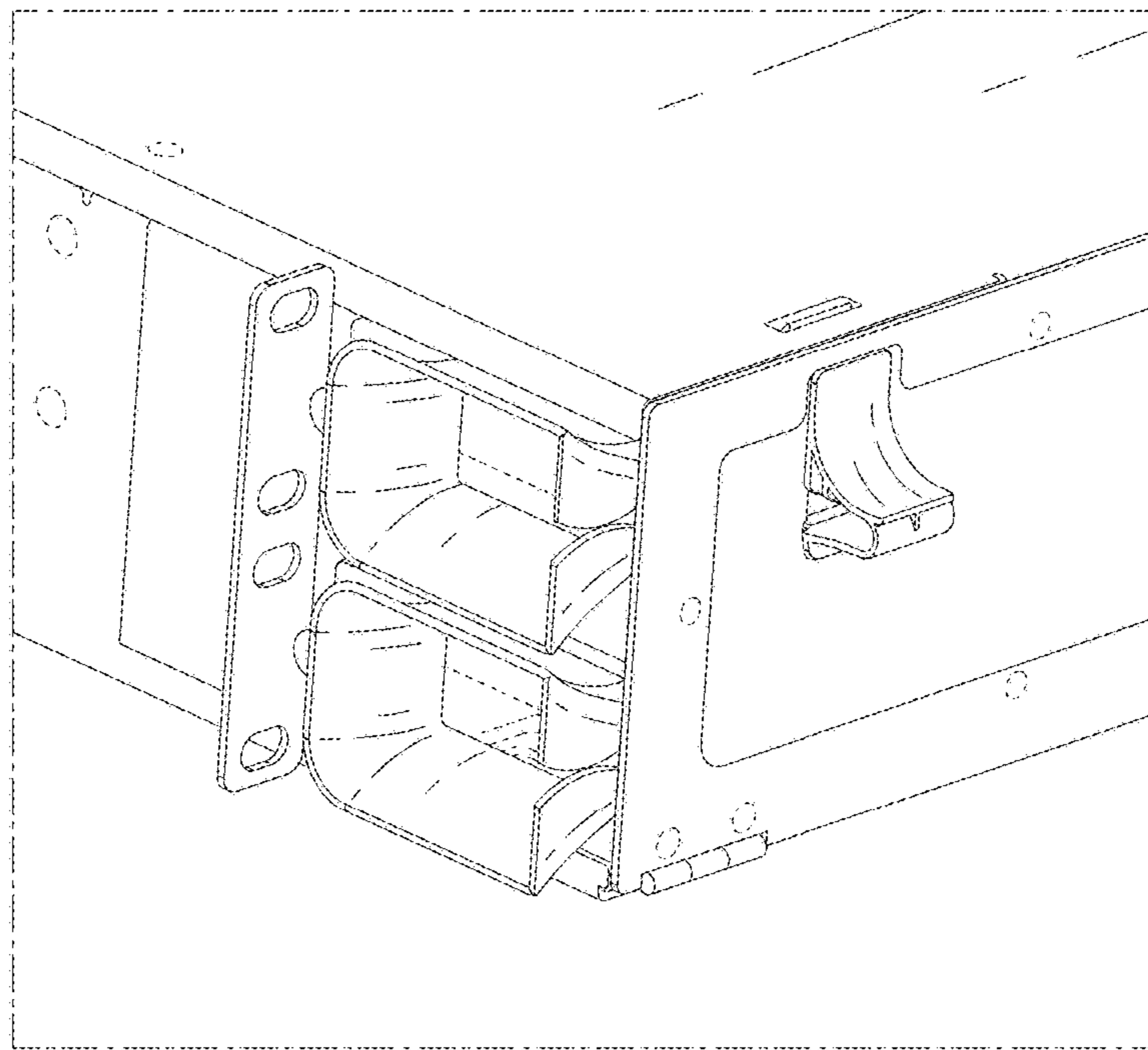


Fig. 13