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(12) **United States Design Patent** (10) **Patent No.:** **US D829,175 S**
Terajima et al. (45) **Date of Patent:** **** Sep. 25, 2018**

(54) **ELECTRICAL CONNECTOR**

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

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(30) **Foreign Application Priority Data**

Jun. 17, 2016 (JP) 2016-12941

(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/133**

(58) **Field of Classification Search**

USPC D13/101, 110, 118, 120, 123, 133, 134,
D13/146-149, 152-154, 173, 175, 177,
D13/178, 184, 199

CPC H01R 13/00; H01R 13/02; H01R 13/11;
H01R 13/40; H01R 13/51; H01R 13/533;
H01R 13/64; H01R 13/65; H01R 13/66;
H01R 13/74; H01R 24/60

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|---------|----------|-------|---------|
| D498,730 S * | 11/2004 | Watanabe | ..... | D13/133 |
| D585,024 S * | 1/2009 | Kudo | ..... | D13/133 |
| D631,015 S * | 1/2011 | Iijima | ..... | D13/147 |
| D684,118 S * | 6/2013 | Yang | ..... | D13/133 |
| D689,822 S * | 9/2013 | Yang | ..... | D13/133 |

| | | | | |
|-------------------|---------|-------|-------|-----------------------|
| D759,594 S * | 6/2016 | Kato | ..... | D13/133 |
| D774,457 S * | 12/2016 | Urano | ..... | D13/133 |
| D791,706 S * | 7/2017 | Li | ..... | D13/147 |
| D792,853 S * | 7/2017 | Li | ..... | D13/147 |
| D802,538 S * | 11/2017 | Li | ..... | D13/147 |
| 2012/0243831 A1 * | 9/2012 | Chen | ..... | G02B 6/3825 385/55 |
| 2014/0133807 A1 * | 5/2014 | Katoh | ..... | G02B 6/3821 385/78 |

(Continued)

FOREIGN PATENT DOCUMENTS

| | | |
|----|-----------|---------|
| JP | 1260466 D | 12/2005 |
| JP | 1528858 D | 6/2015 |

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(57) **CLAIM**

The ornamental design for electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a top elevation view of an electrical connector, showing the new design;

FIG. 2 is a front plan view thereof;

FIG. 3 is a rear plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a right side elevation view thereof;

FIG. 7 is a front, top and right side perspective view thereof;

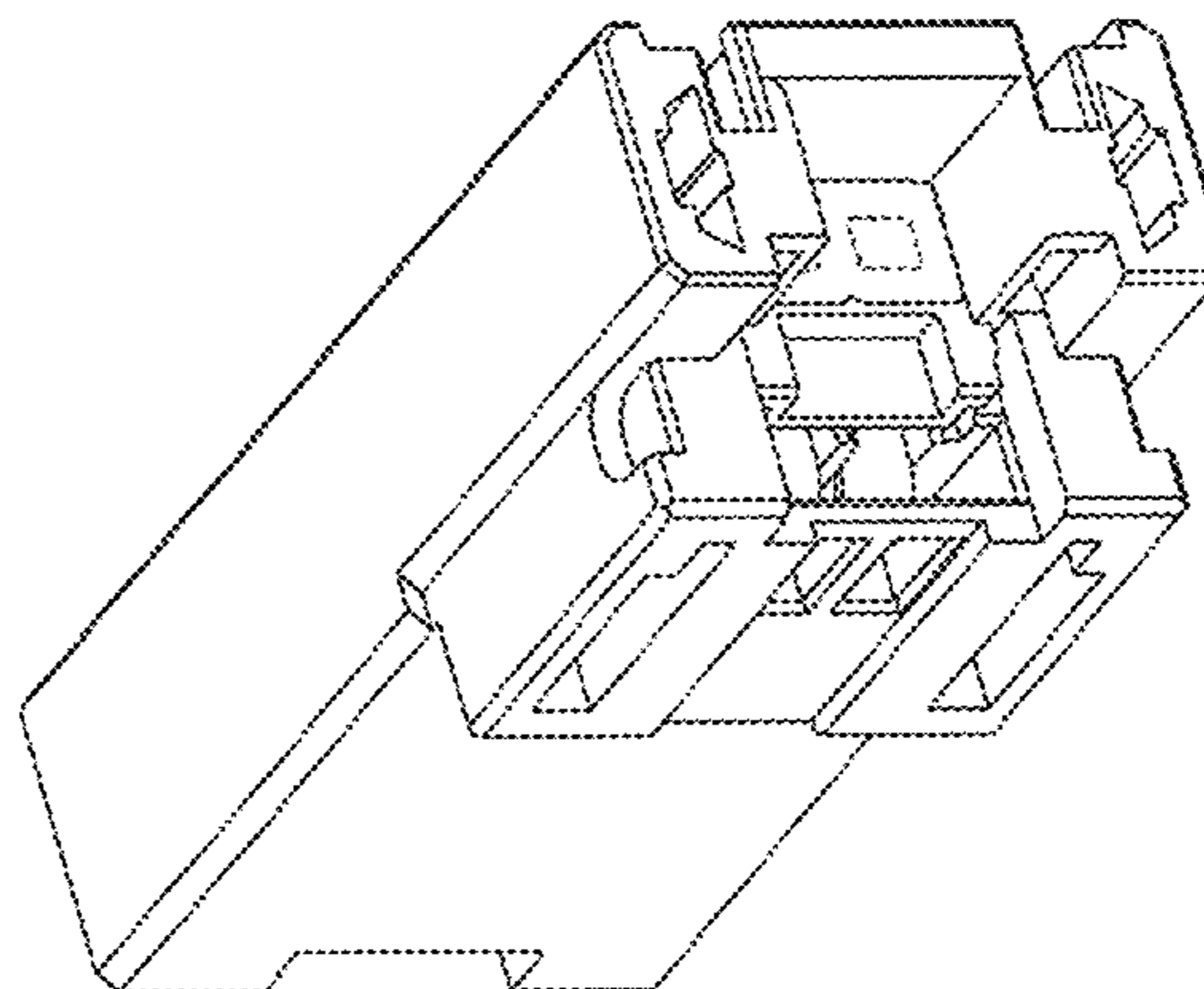
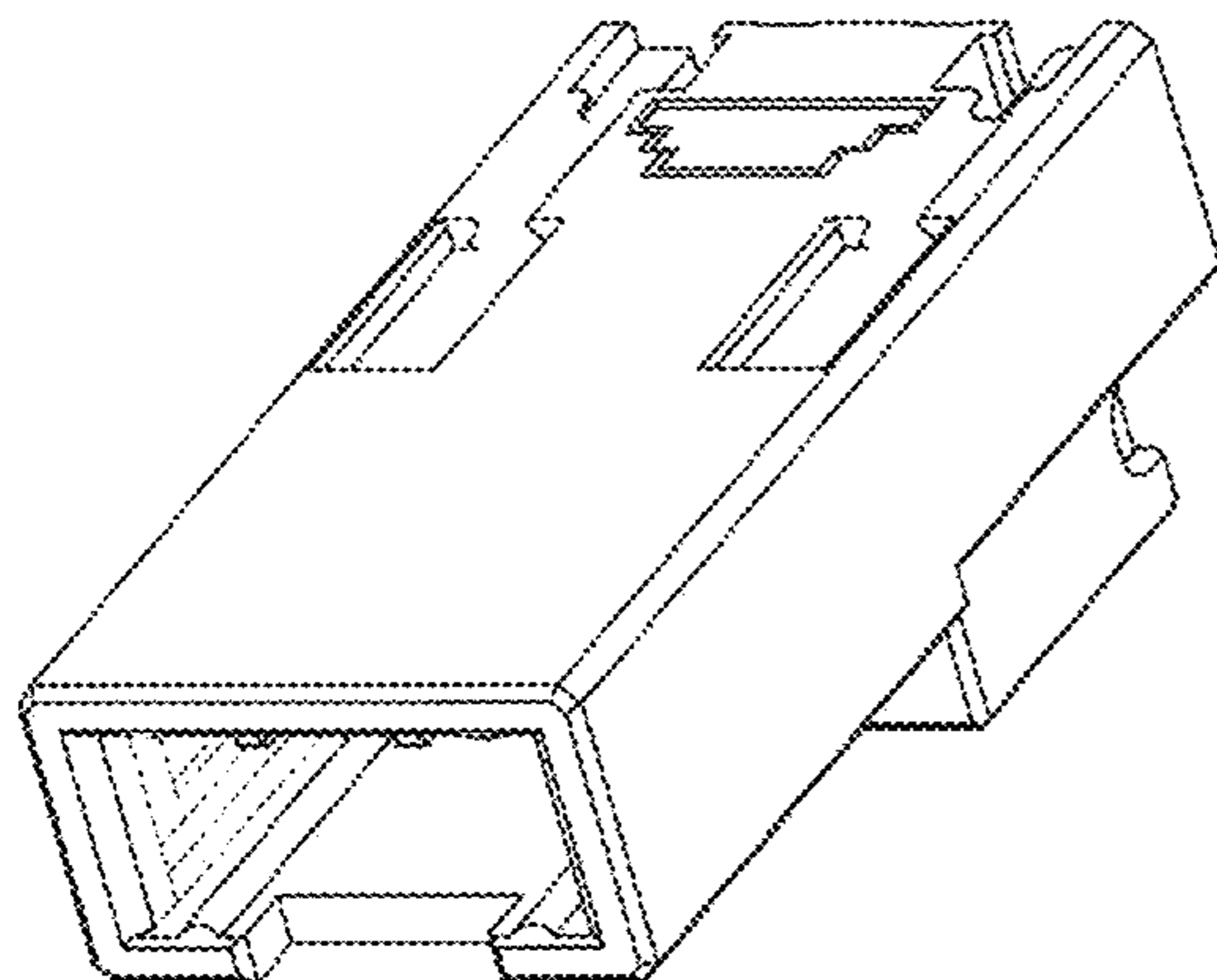
FIG. 8 is a rear, top and left side perspective view thereof;

FIG. 9 is a front, bottom and left side perspective view thereof; and,

FIG. 10 is a rear, bottom and right side perspective view.

The broken lines shown in the drawings are included for the purpose of illustrating environmental structure and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0318643 A1* 11/2015 Lane H01R 13/6594
439/607.35
2017/0018881 A1* 1/2017 Patel H01R 13/6471

* cited by examiner

Fig. 1

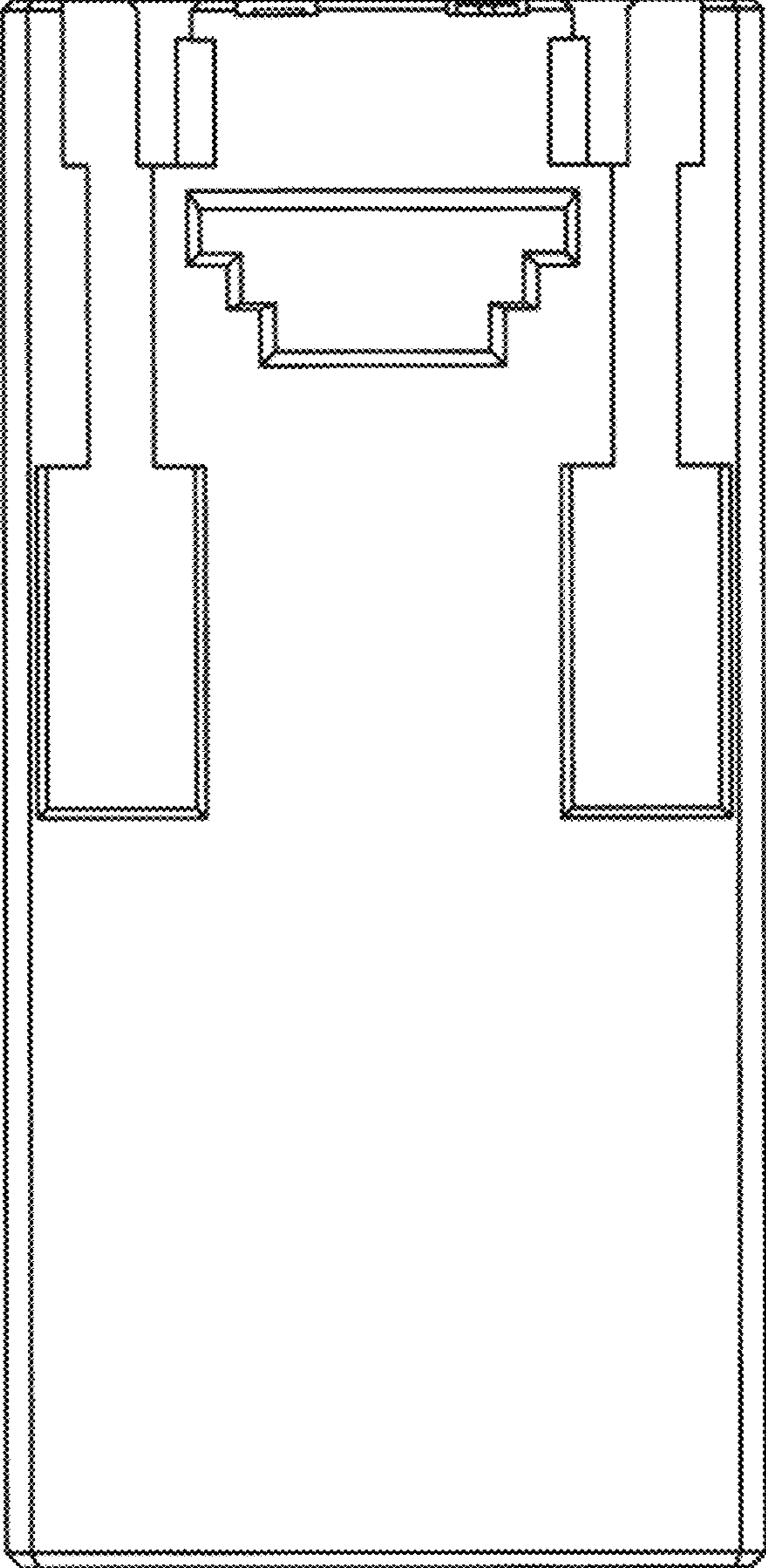


Fig. 2

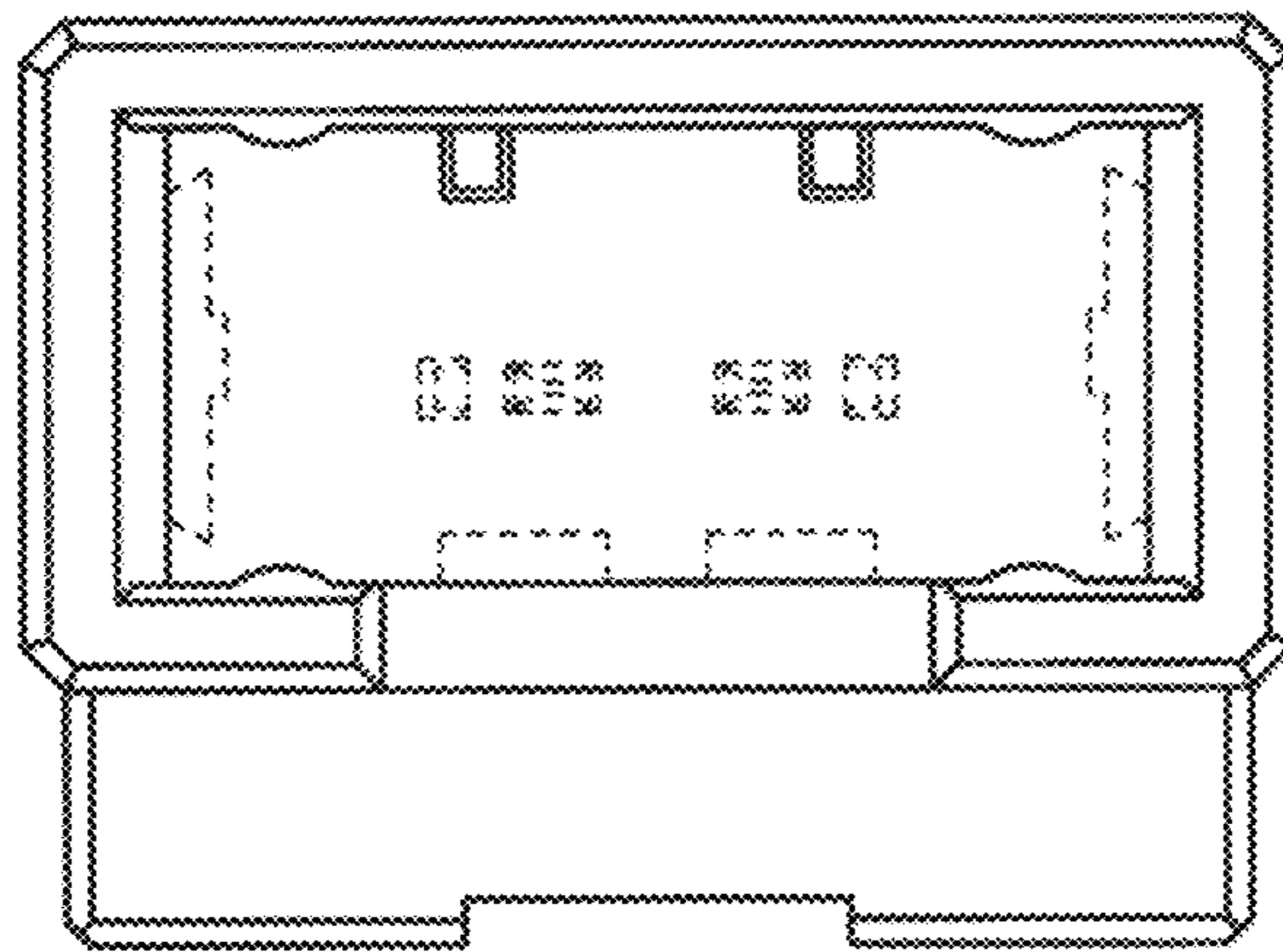


Fig. 3

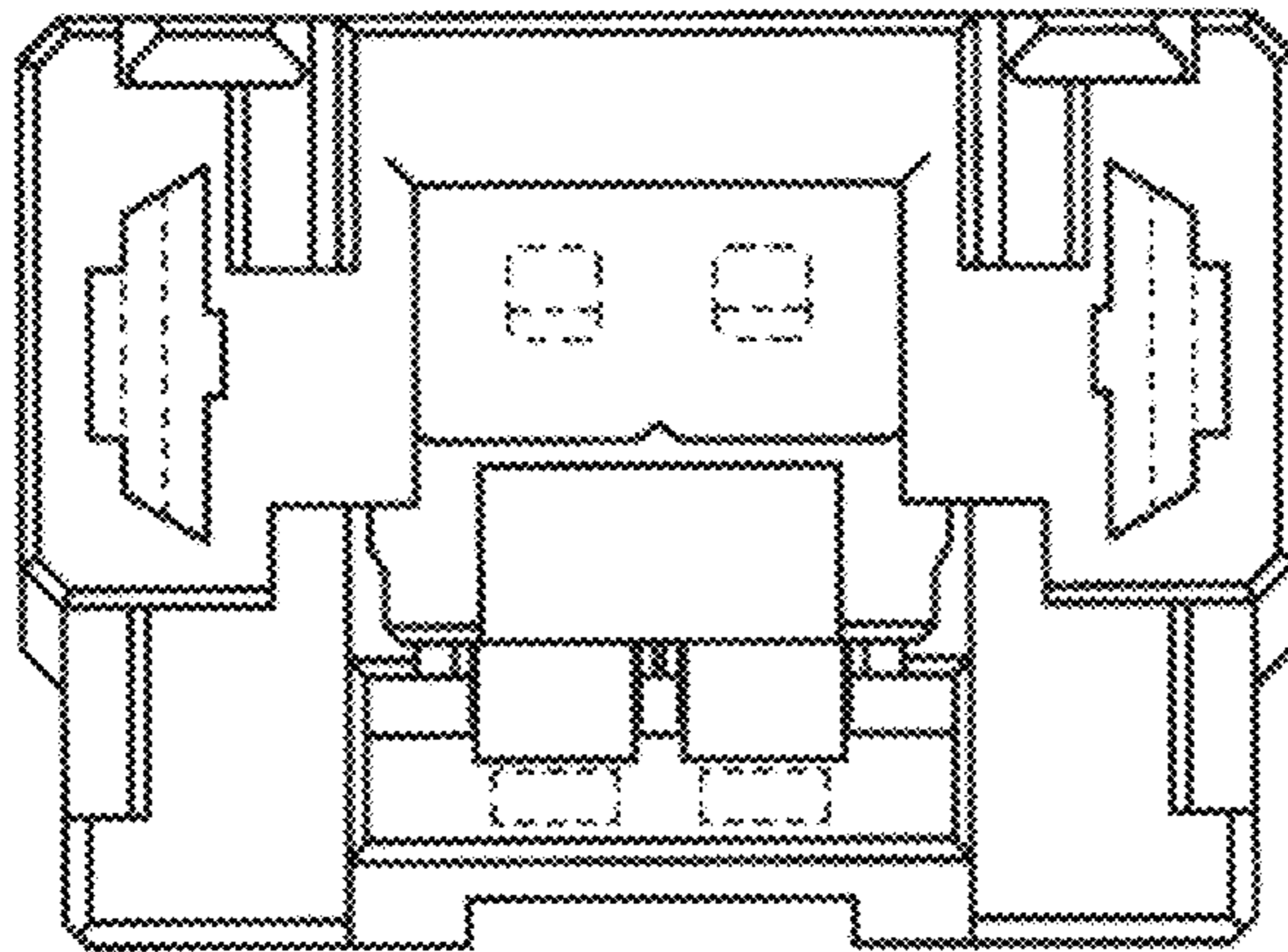


Fig. 4

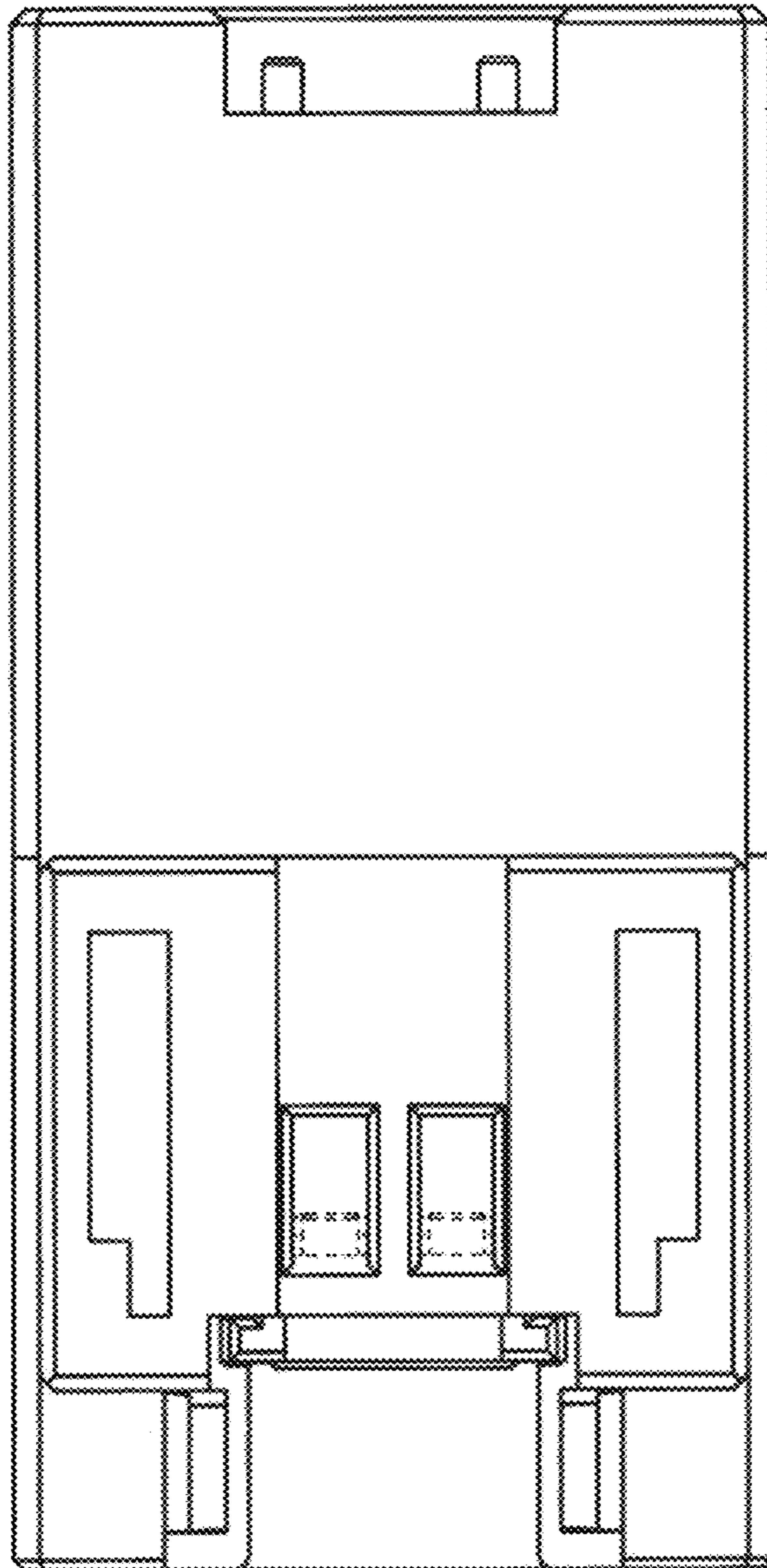


Fig. 5

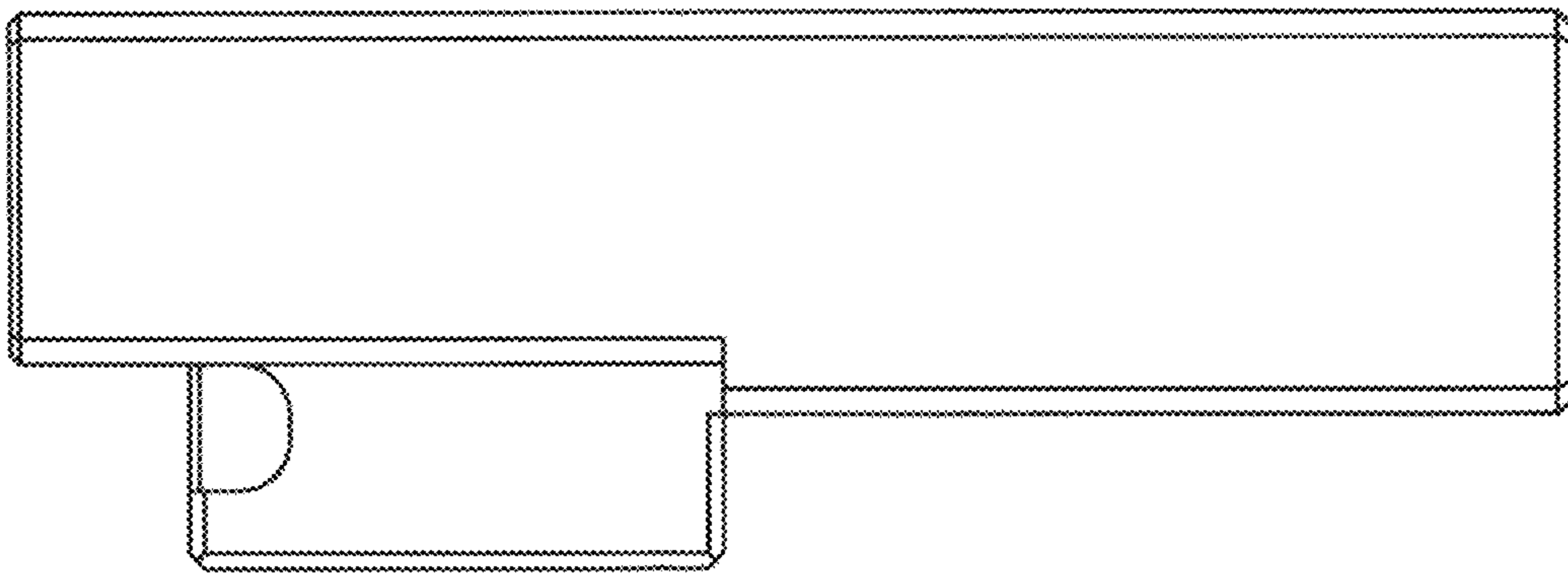


Fig. 6

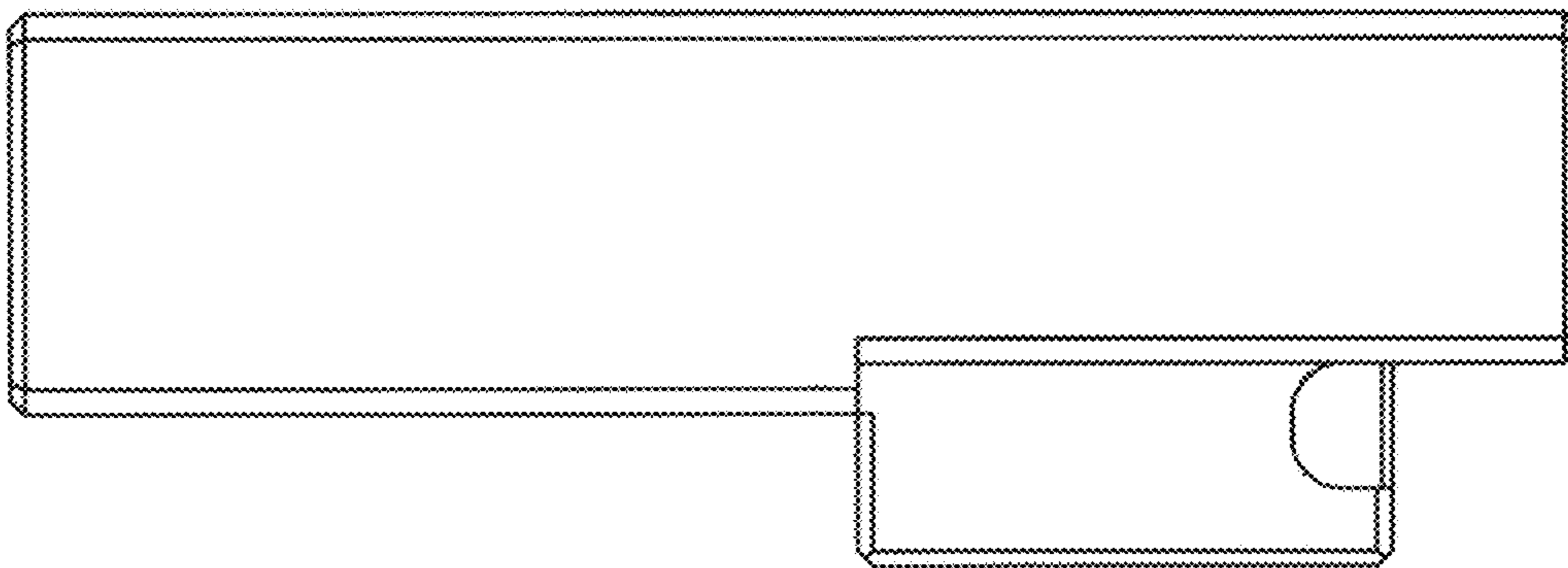


Fig. 7

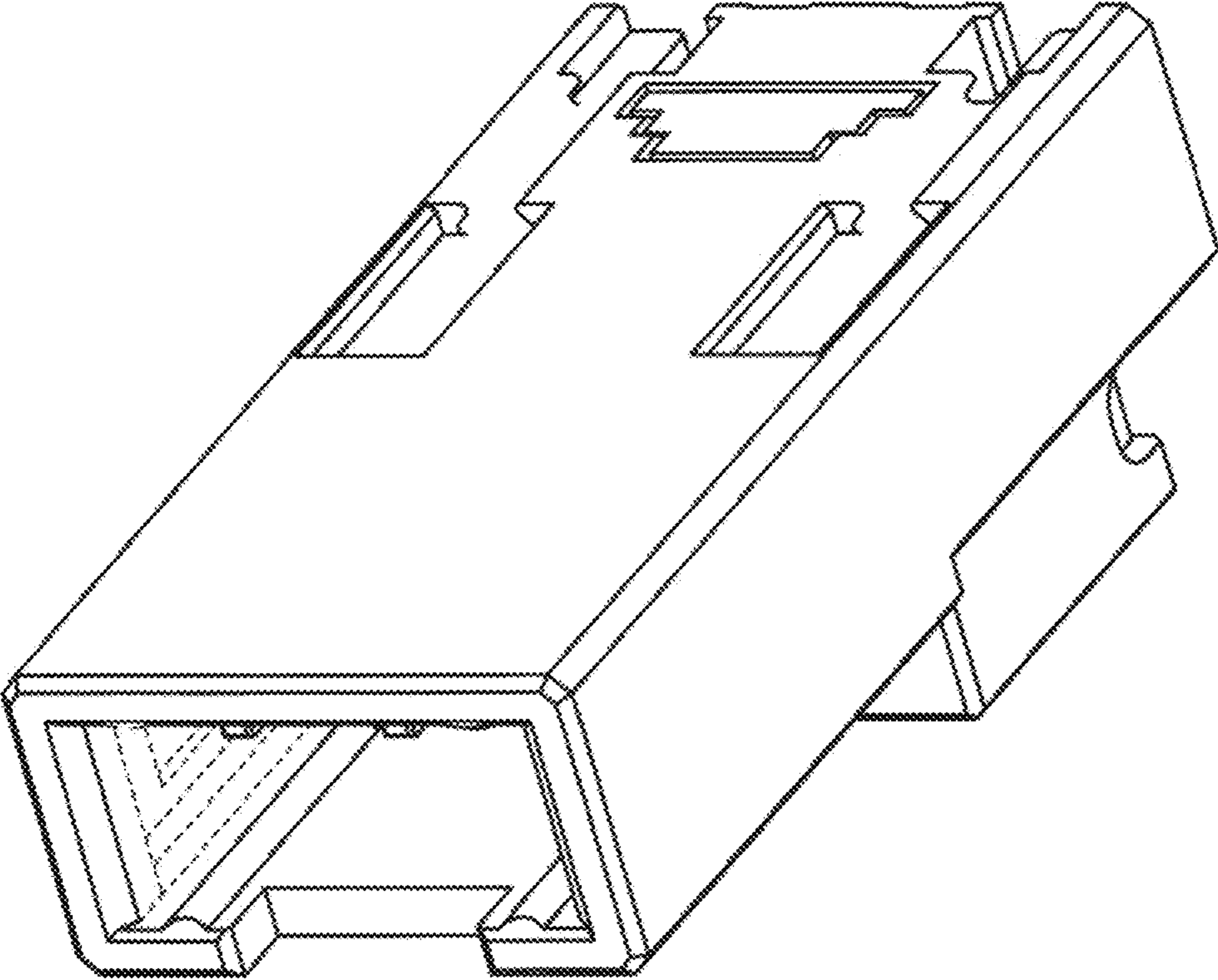


Fig. 8

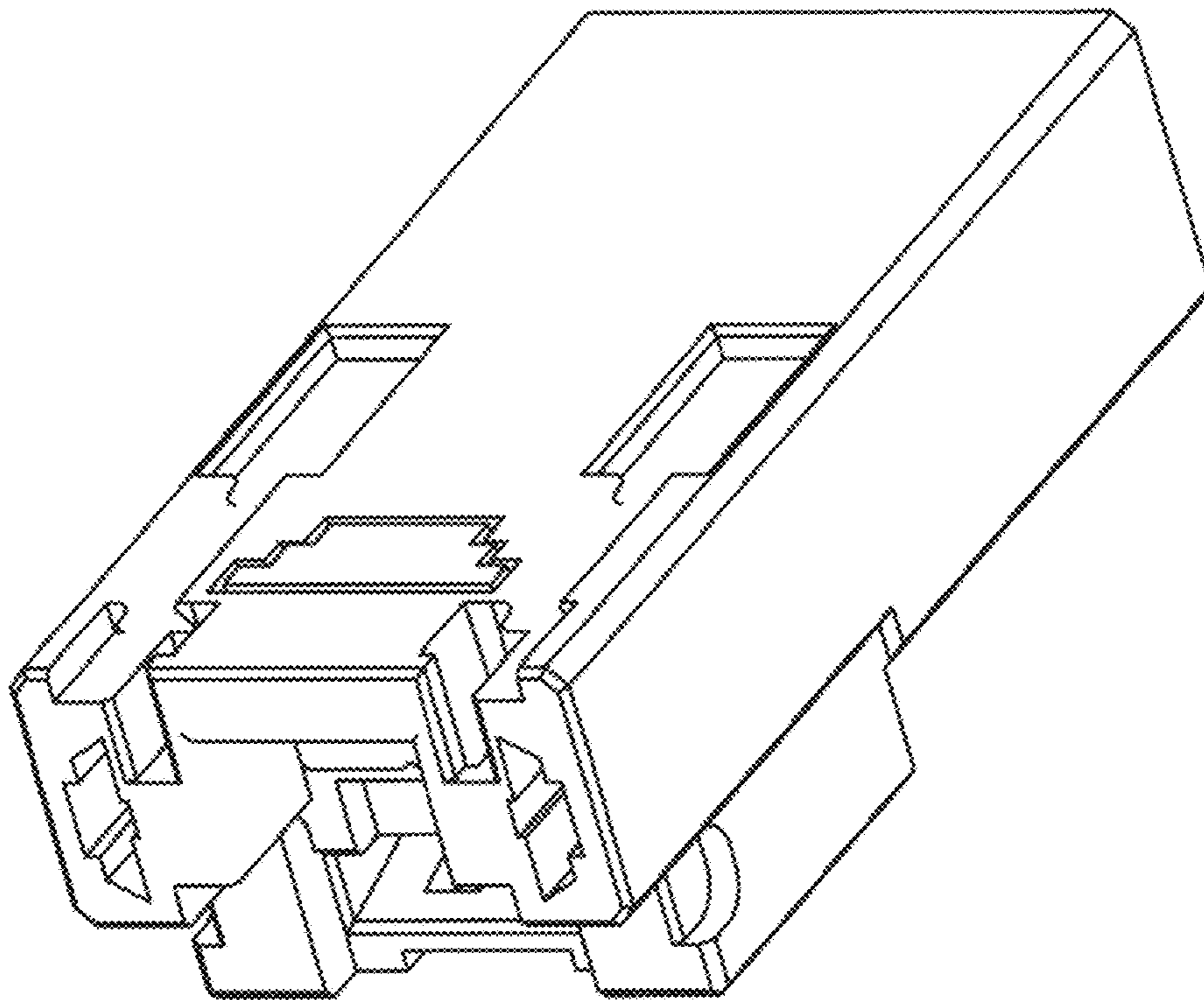


Fig. 9

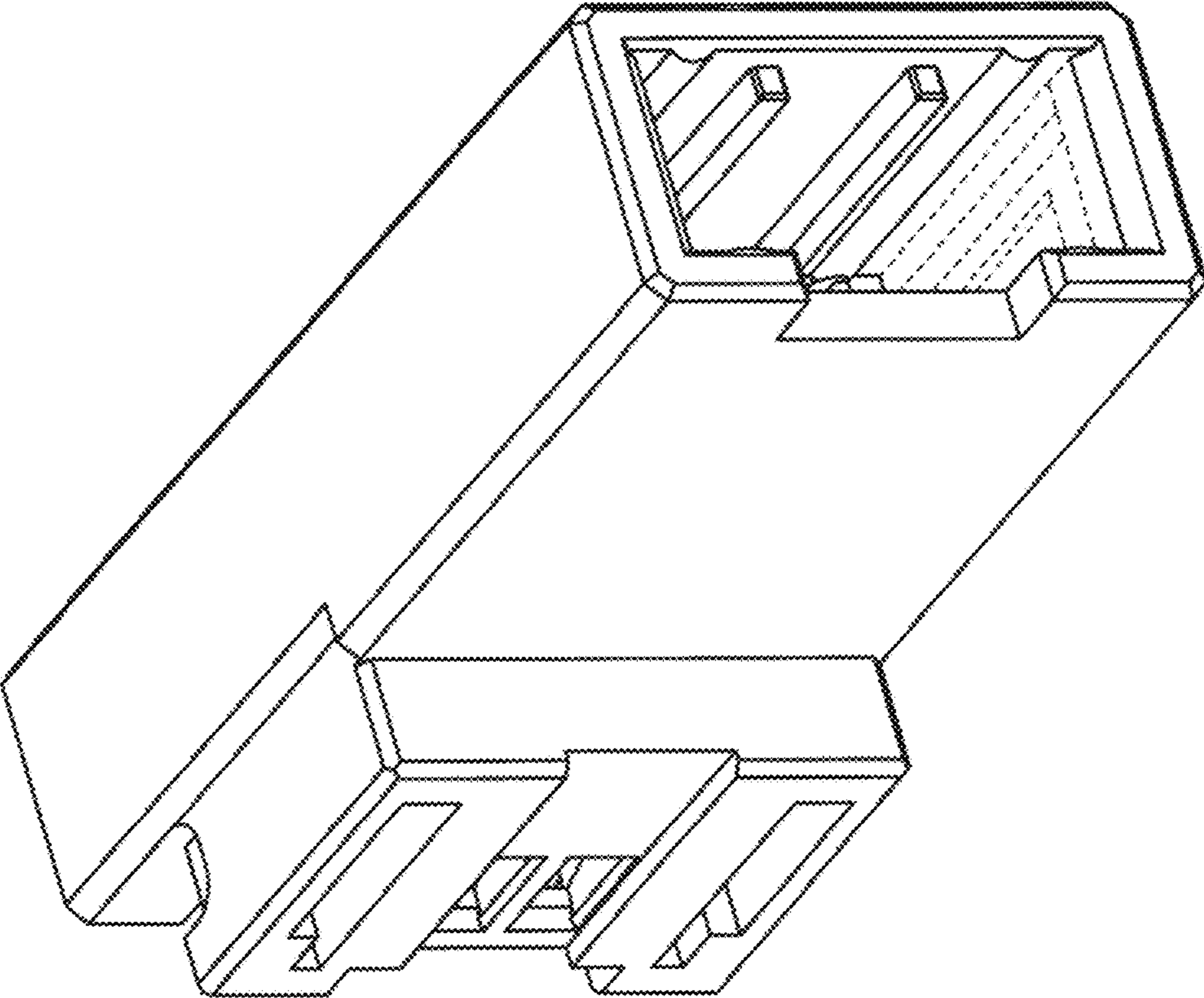


Fig. 10

