US00D928095S

# (12) United States Design Patent

Constin

(10) Patent No.: US D928,095 S
(45) Date of Patent: ** Aug. 17, 2021

(54) **ELECTRIC CONTACT PLUG**

(71) Applicant: **Hans-Peter Constin**, Berlin (DE)

(72) Inventor: **Hans-Peter Constin**, Berlin (DE)

(73) Assignee: **Hans-Peter Constin**, Berlin (DE)

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

(21) Appl. No.: **29/680,835**

(22) Filed: **Feb. 20, 2019**

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

(52) **U.S. Cl.**
USPC ..... **D13/147**

(58) **Field of Classification Search**
USPC ..... D13/101, 112, 110, 118, 120, 123, 133, D13/146, 147, 149, 154, 156, 182, 184, D13/199; D14/356, 433, 435, 438
CPC ..... H01R 24/00; H01R 12/00; H01R 12/70; H01R 13/62
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS


| | | | | | |
|---|---|---|---|---|---|
| 5,551,883 | A * | 9/1996 | Davis | H01R 24/62 | 439/65 |
| D419,522 | S * | 1/2000 | Kamagai | D13/120 | |
| D433,383 | S * | 11/2000 | Lee | D13/147 | |
| D583,334 | S * | 12/2008 | Ball | D13/169 | |
| D596,130 | S * | 7/2009 | Chen | D13/147 | |
| D613,689 | S * | 4/2010 | Yang | D13/120 | |
| D617,733 | S * | 6/2010 | Yang | D13/120 | |
| D618,172 | S * | 6/2010 | Yang | D13/120 | |
| D621,793 | S * | 8/2010 | Nutting | D13/164 | |
| D713,356 | S * | 9/2014 | Buck | D13/147 | |
| D782,980 | S * | 4/2017 | Zhang | D13/147 | |
| 2015/0009640 | A1 * | 1/2015 | Stern | H01R 13/6658 | 361/752 |
| 2017/0047682 | A1 * | 2/2017 | Ho | H01R 13/631 | |

OTHER PUBLICATIONS

"Blade-contact battery plug". Found online May 22, 2020 at eenewseurope.com. Reference dated Sep. 29, 2011. Retrieved from https://www.eenewseurope.com/news/blade-contact-battery-plugsocket-systems. (Year: 2011).*

"Yokowo Two-Piece Battery Connector". Found online May 22, 2020 at businesswire.com. Reference dated Jul. 31, 2013. Retrieved from https://www.businesswire.com/news/home/20130731005098/en/Two-Piece-Battery-Connector-Yokowo-Reliability-Automotive-Applications. (Year: 2013).*

(Continued)


*Primary Examiner* — Kendra Leslie Hamilton
*Assistant Examiner* — Amanda Christensen
(74) *Attorney, Agent, or Firm* — Henry M. Feiereisen LLC

(57) **CLAIM**

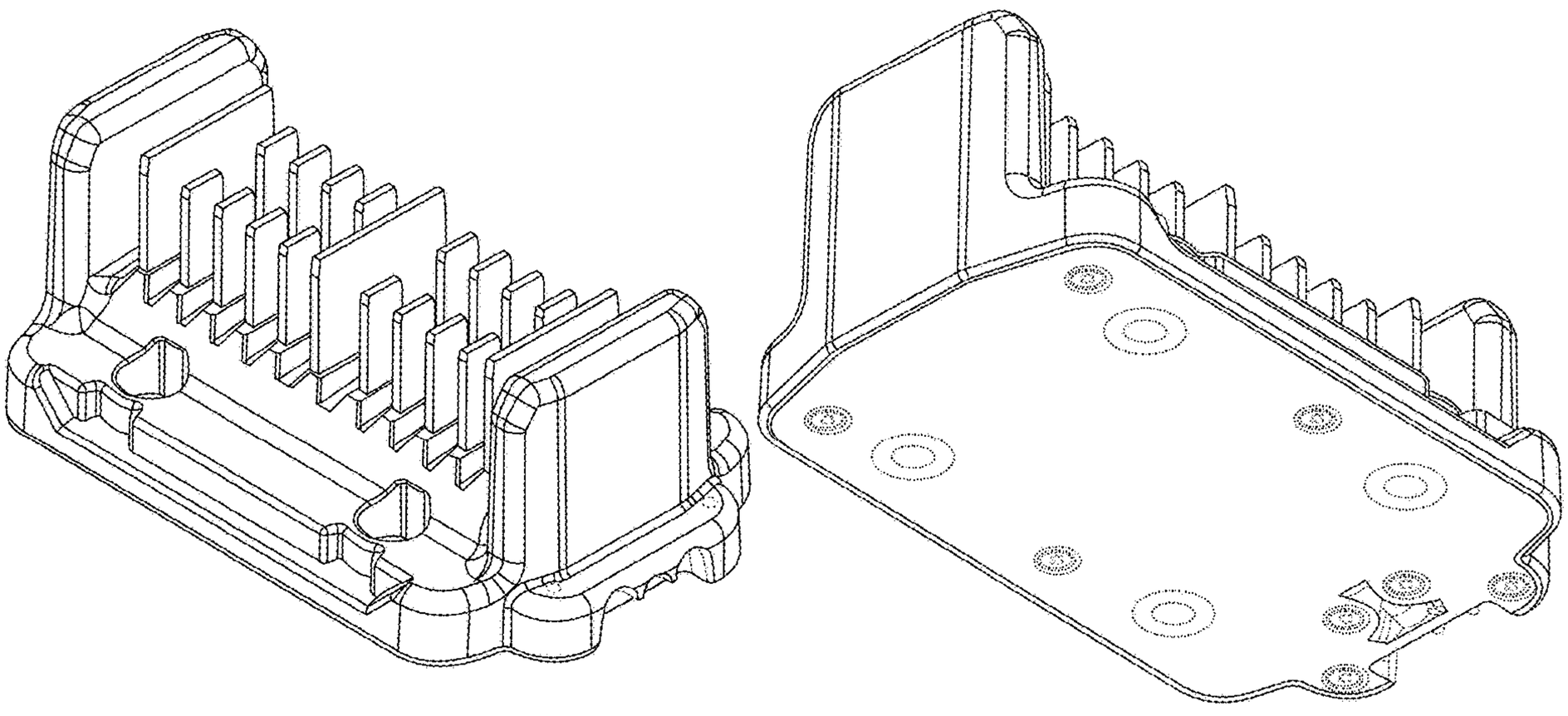
The ornamental design for an electric contact plug, as shown and described.

**DESCRIPTION**

FIG. **1** is a top, front, right side perspective view of an electric contact plug, showing my new design;
FIG. **2** is top plan view thereof;
FIG. **3** is a right side elevation view thereof;
FIG. **4** is a left side elevation view thereof;
FIG. **5** is a rear elevation view thereof;
FIG. **6** is a front elevation view thereof;
FIG. **7** is a bottom, left side perspective view thereof; and,
FIG. **8** is a bottom plan view thereof.

The equal length broken lines in the drawings depict portions of the electric contact plug that form no part of the claimed design. The equal length broken lines immediately adjacent to the claimed portions define the boundaries of the claim.

**1 Claim, 8 Drawing Sheets**



(56) **References Cited**

OTHER PUBLICATIONS

"TE Connectivity Modular Battery Contact". Found online May 22, 2020 at docs.rs-online.com. Reference dated Mar. 25, 2011. Retrieved from https://docs.rs-online.com/de4a/0900766b80f9e94c.pdf. (Year: 2011).*

"Omron Battery Connector". Found online Apr. 1, 2014 at finance.yahoo.com. Reference dated Date. Retrieved from https://finance.yahoo.com/news/omrons-battery-connector-mobile-devices-210924295.html. (Year: 2014).*

* cited by examiner

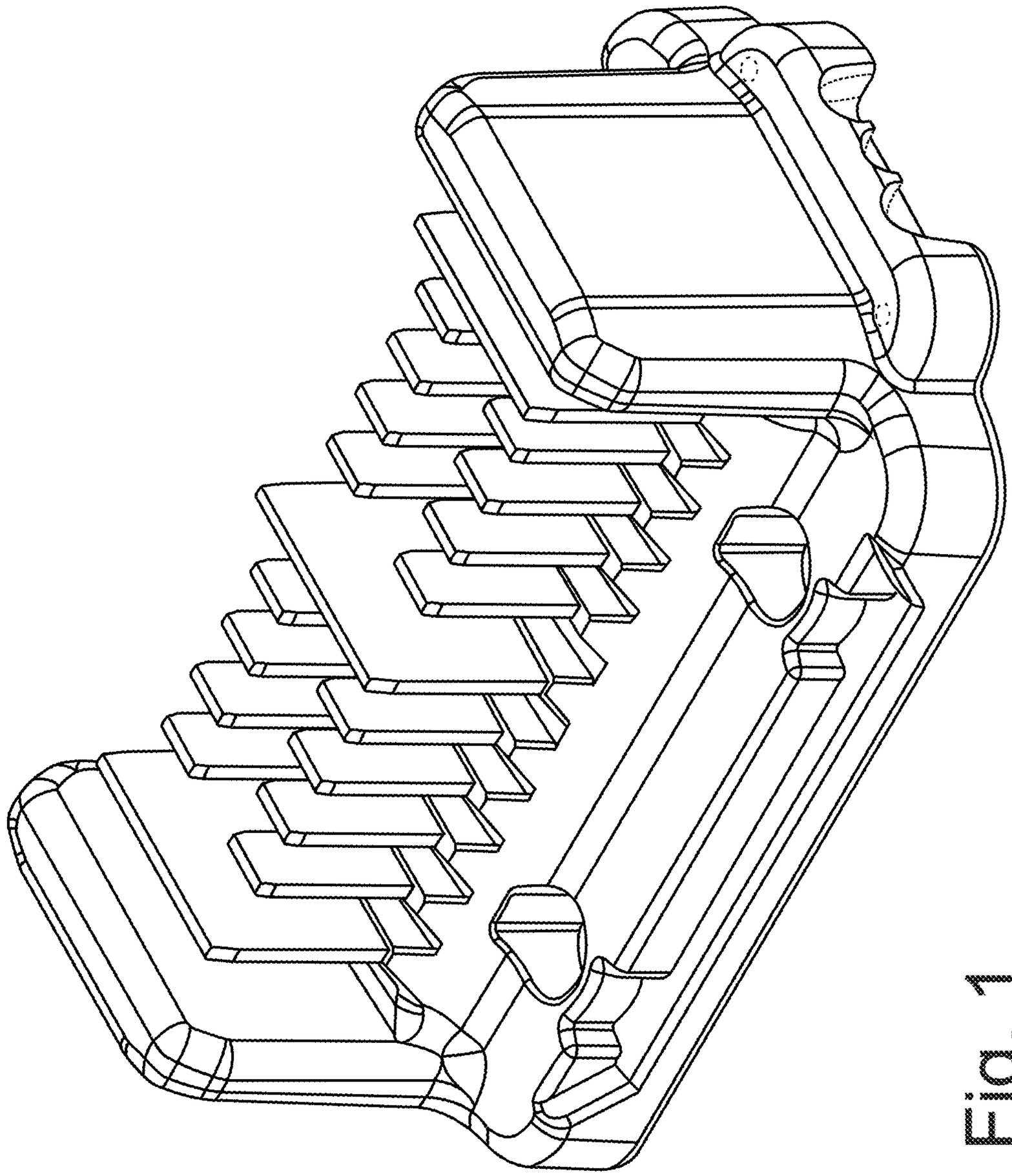


Fig. 1

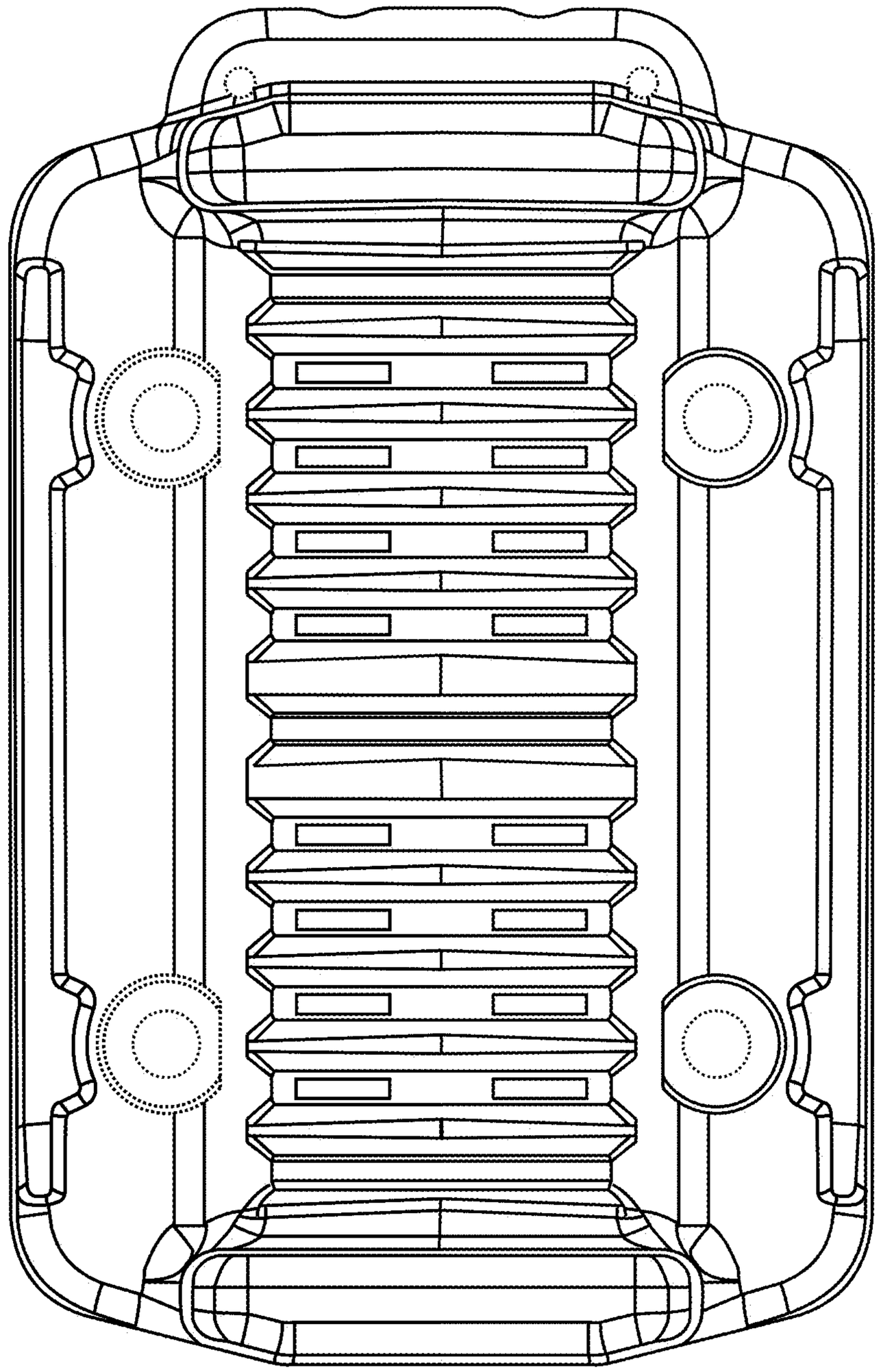


Fig. 2

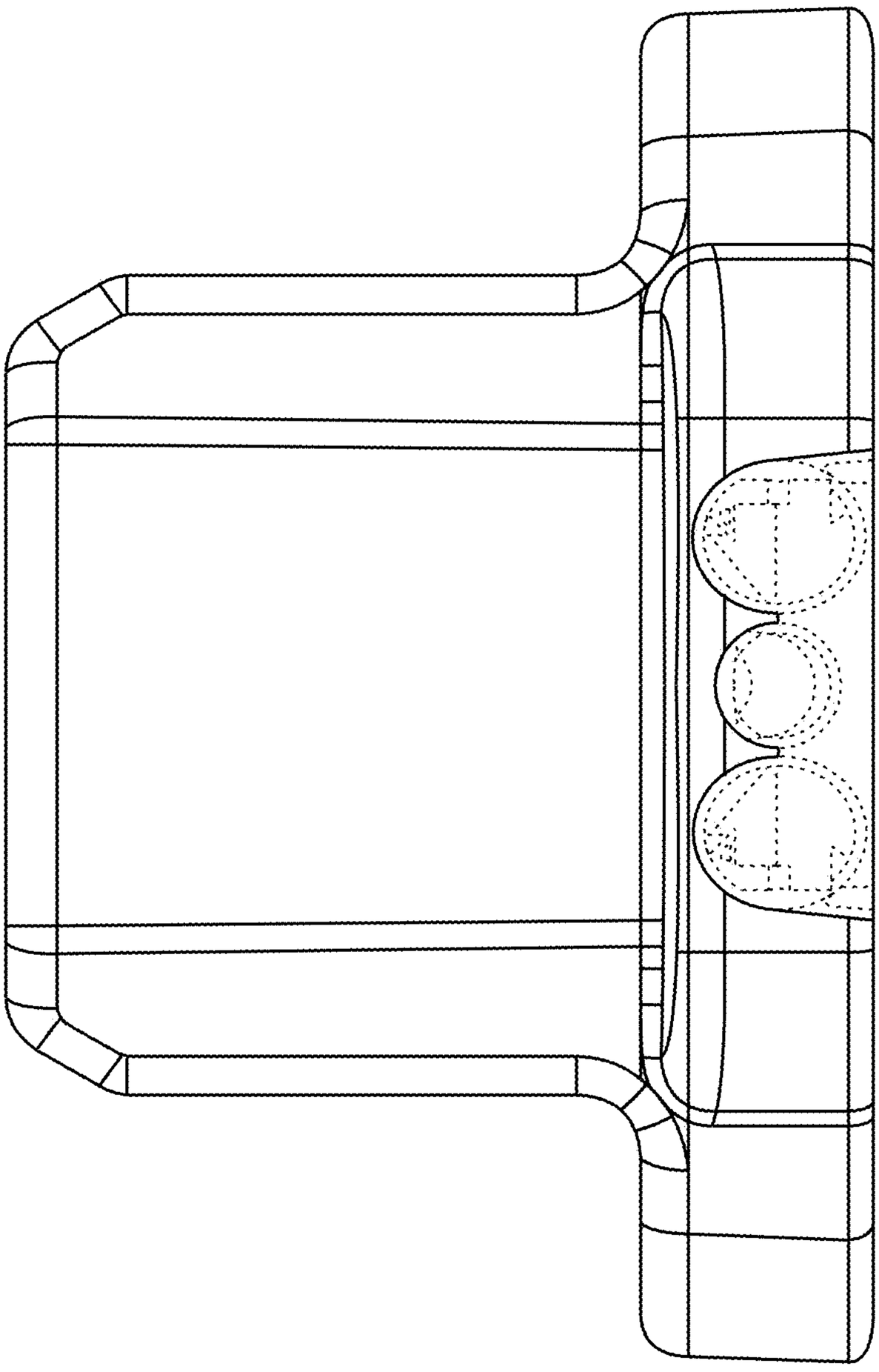


Fig. 3

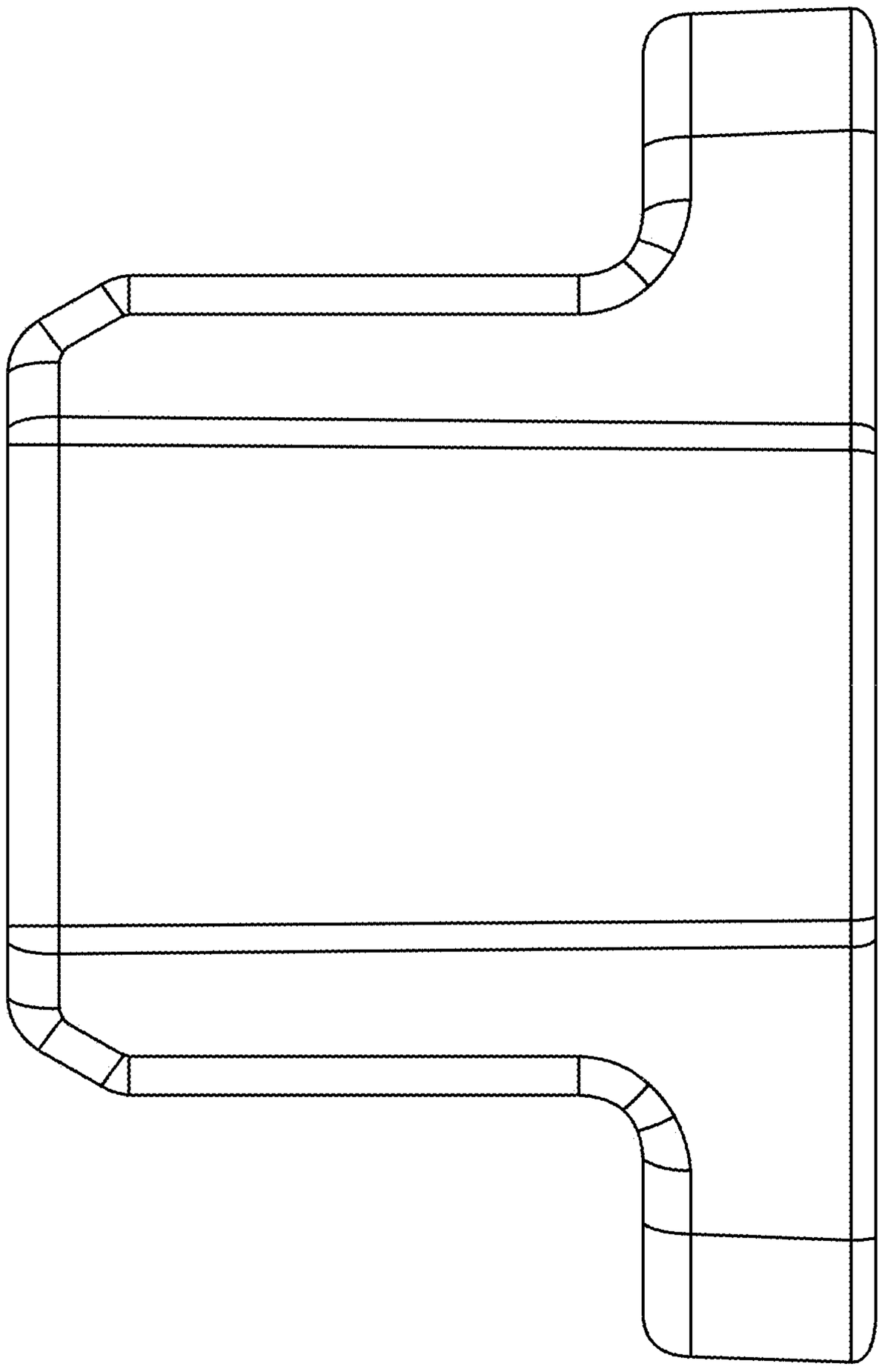


Fig. 4

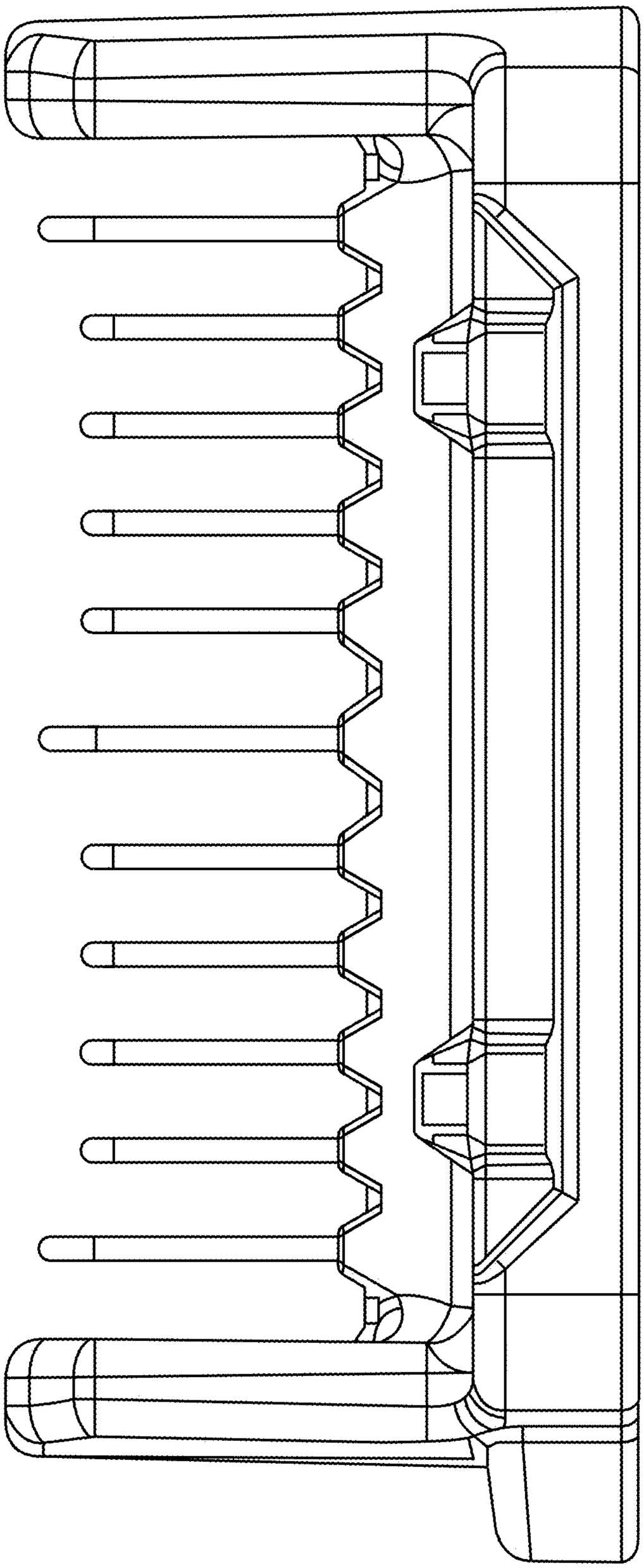


Fig. 5

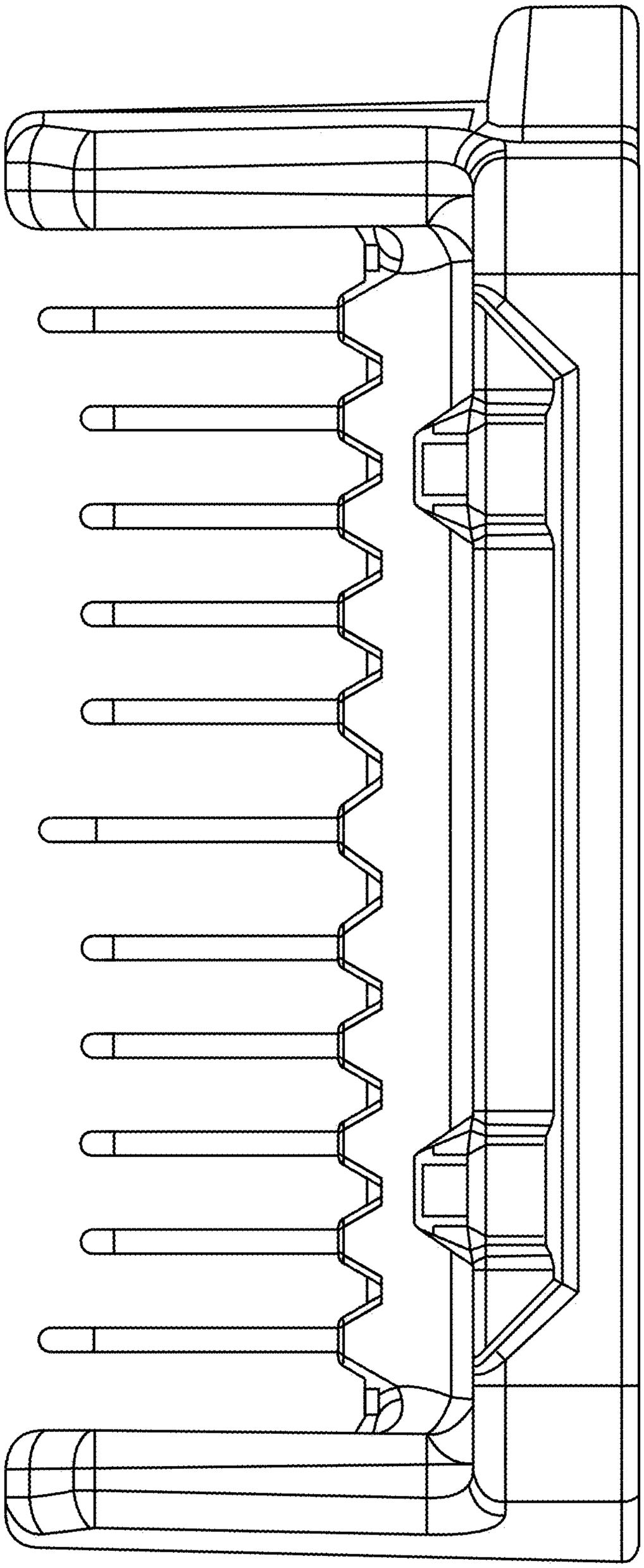


Fig. 6

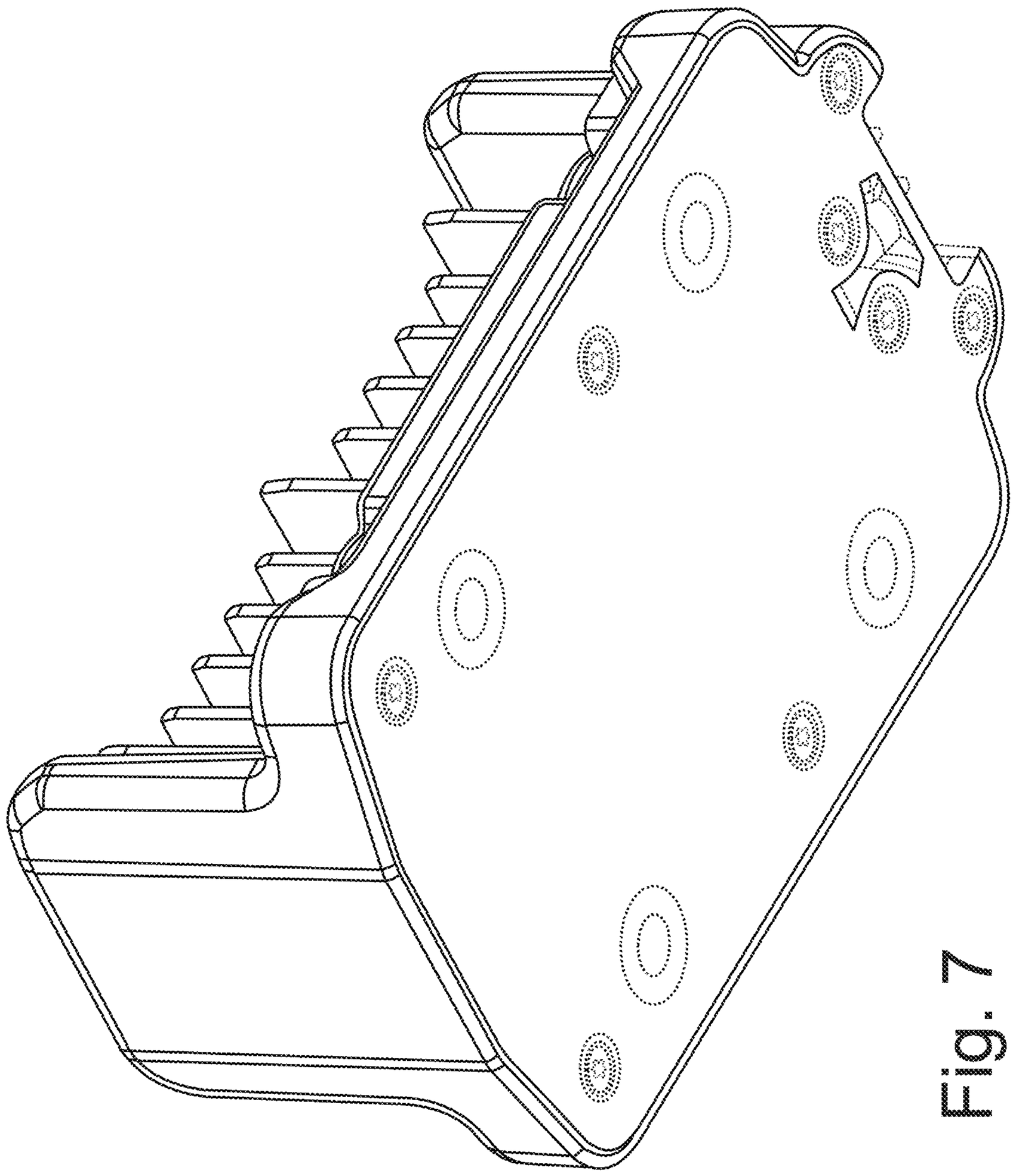


Fig. 7

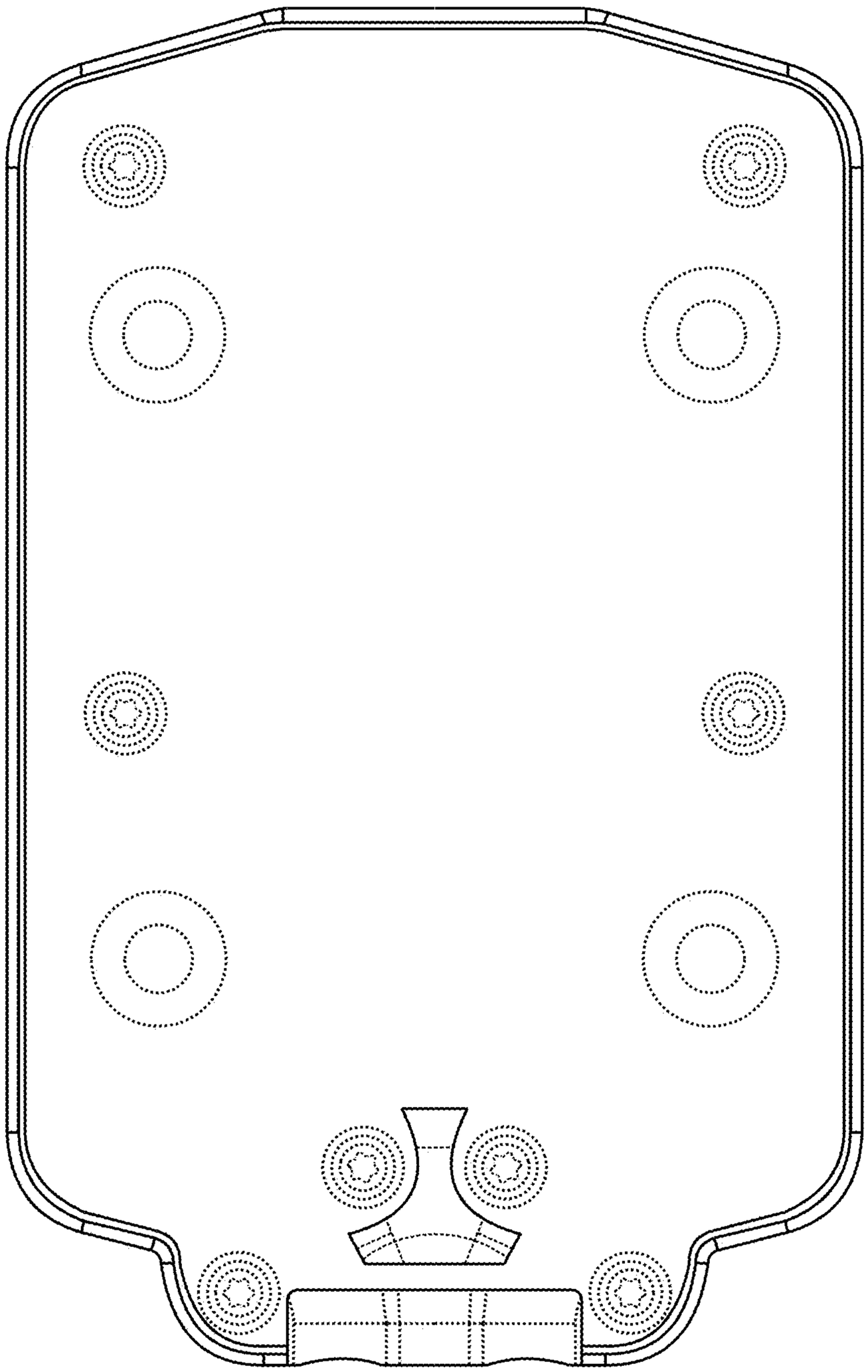


Fig. 8