



US00D986831S

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

(10) **Patent No.:** **US D986,831 S**

(45) **Date of Patent:** **** May 23, 2023**

(54) **CONNECTOR**

(71) Applicant: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

(72) Inventors: **Yukuya Morishita**, Tokyo (JP); **Yusuke Obata**, Tokyo (JP)

(73) Assignee: **JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED**, Tokyo (JP)

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

(21) Appl. No.: **29/796,879**

(22) Filed: **Jun. 28, 2021**

(30) **Foreign Application Priority Data**

Mar. 29, 2021 (JP) 2021-006503 D

(51) **LOC (14) Cl.** **13-03**

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

(58) **Field of Classification Search**
USPC ... D13/133, 101, 123, 146, 147, 153, 137.1, D13/149, 139.8; D14/433, 435.1
CPC G02B 6/38; G02B 6/38875; G02B 6/4284; H01R 13/40; H01R 13/58; H01R 13/627; H01R 13/66; H01R 13/6335; H01R 13/6272; H01R 13/6397; H01R 13/639; H01R 13/6275; H01R 31/06; H01R 24/00; H01R 24/64; H01R 43/26
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D449,822 S	*	10/2001	Arai	.....	D13/147
D617,283 S	*	6/2010	Wang	.....	D13/147
D620,890 S	*	8/2010	Tanaka	.....	D13/147
D654,439 S	*	2/2012	Sasaki	.....	D13/147
D682,216 S	*	5/2013	Sato	.....	D13/147

D701,492 S	*	3/2014	Miyoshi	.....	D13/147
D706,721 S	*	6/2014	Naito	.....	D13/147
D706,722 S	*	6/2014	Yokoyama	.....	D13/147
D709,034 S	*	7/2014	Katayanagi	.....	D13/147
D709,035 S	*	7/2014	Yokoyama	.....	D13/147
D718,251 S	*	11/2014	Katayanagi	.....	D13/147
D718,252 S	*	11/2014	Kawamura	.....	D13/147
D742,322 S	*	11/2015	Endo	.....	D13/147
D744,430 S	*	12/2015	Yokoyama	.....	D13/147
D748,589 S	*	2/2016	Endo	.....	D13/147
D924,160 S	*	7/2021	Oosaka	.....	D13/147
D933,609 S	*	10/2021	Obata	.....	D13/133
D941,248 S	*	1/2022	Obata	.....	D13/147

(Continued)

Primary Examiner — Christy Nemeth

Assistant Examiner — Leah E Hoferkamp

(74) *Attorney, Agent, or Firm* — Manabu Kanesaka

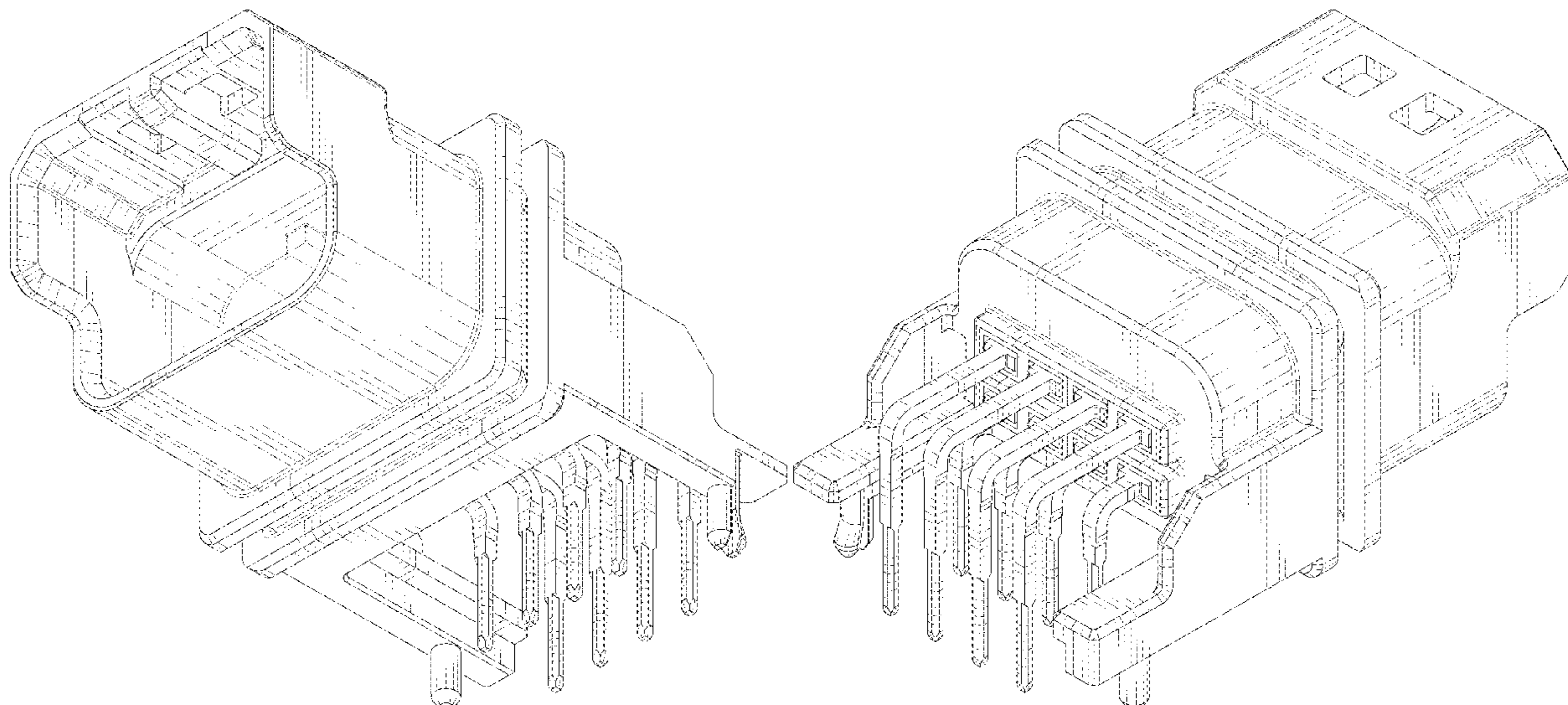
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front elevational view of a connector showing our new design;
 FIG. 2 is a rear elevational view thereof;
 FIG. 3 is a right side elevational view thereof;
 FIG. 4 is a left side elevational view thereof;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof;
 FIG. 7 is a front, top, and right side perspective view thereof;
 FIG. 8 is a rear, bottom, and left side perspective view thereof;
 FIG. 9 is a front, right, and bottom perspective view thereof;
 and,
 FIG. 10 is a rear, left, and top perspective view thereof.
 The broken line showing of the connector is for the purpose of illustrating portions of the article and forms no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D941,249	S *	1/2022	Obata	D13/147
D945,375	S *	3/2022	Obata	D13/149
D957,347	S *	7/2022	Morishita	D13/147
D970,452	S *	11/2022	Shimomaki	D13/133
D970,453	S *	11/2022	Yamamoto	D13/133
2005/0245124	A1 *	11/2005	Katsuma	H01R 13/6272 439/357
2014/0162484	A1 *	6/2014	Naito	H01R 13/6275 439/345

* cited by examiner

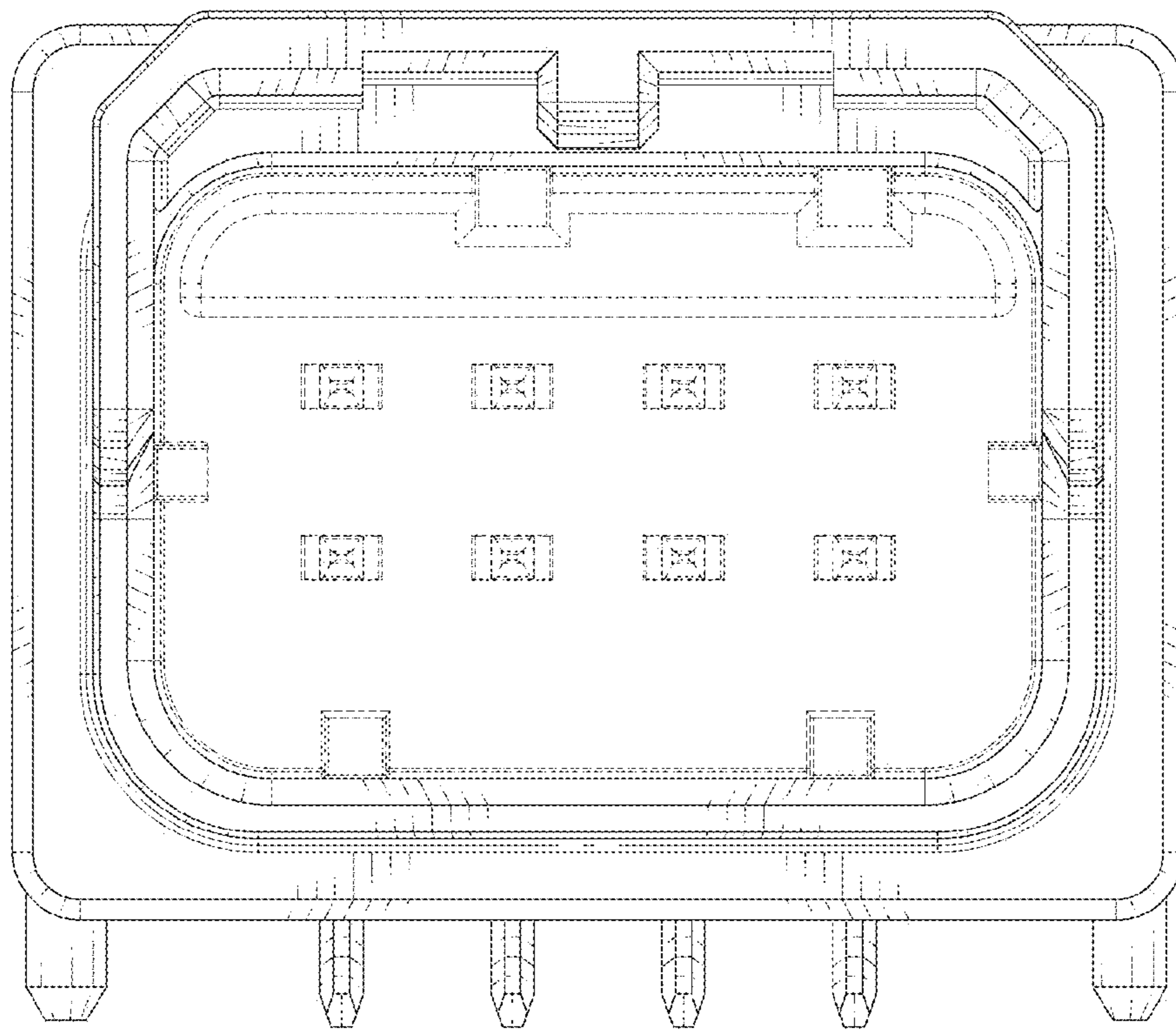


FIG. 1

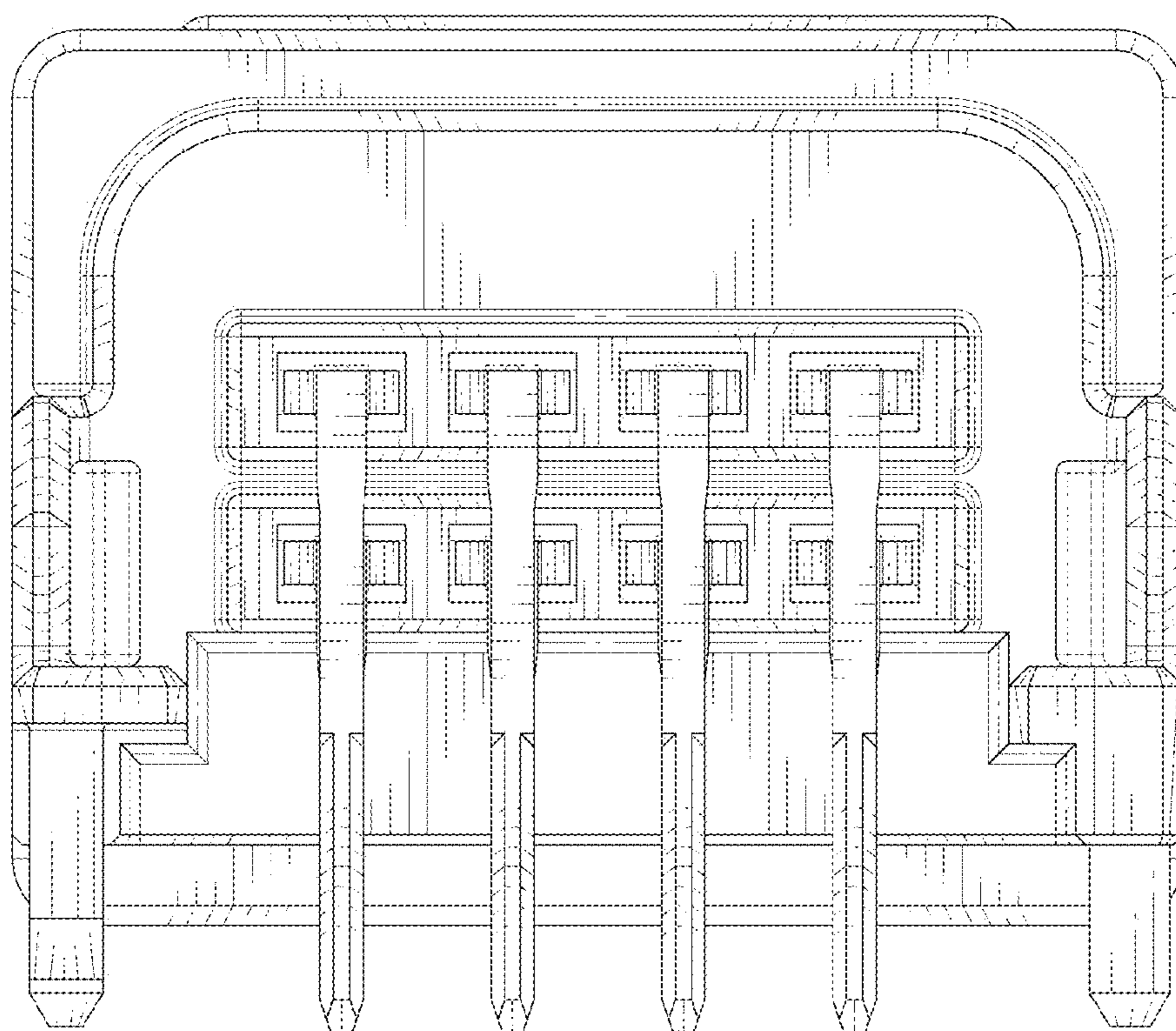


FIG. 2

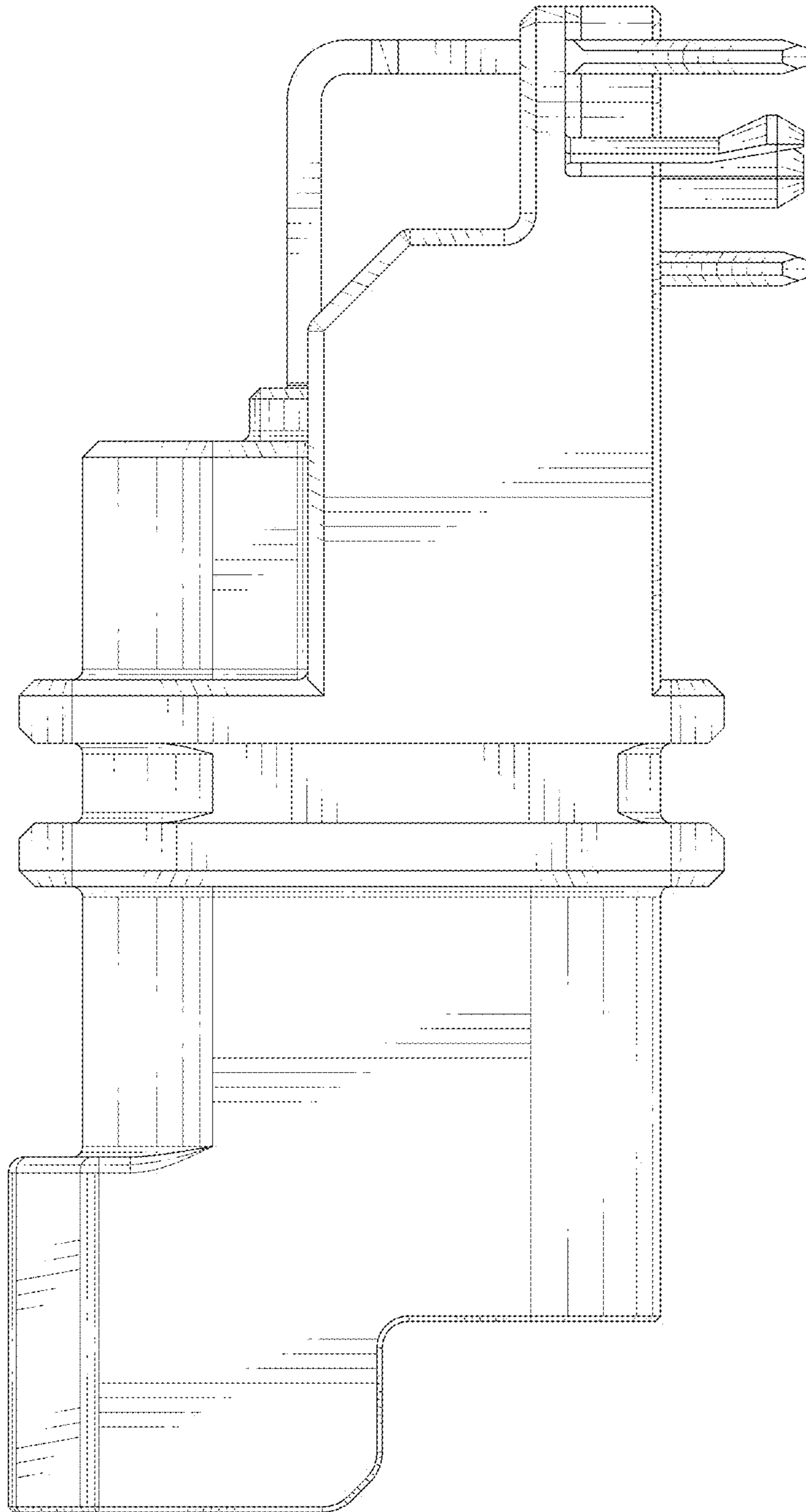


FIG. 3

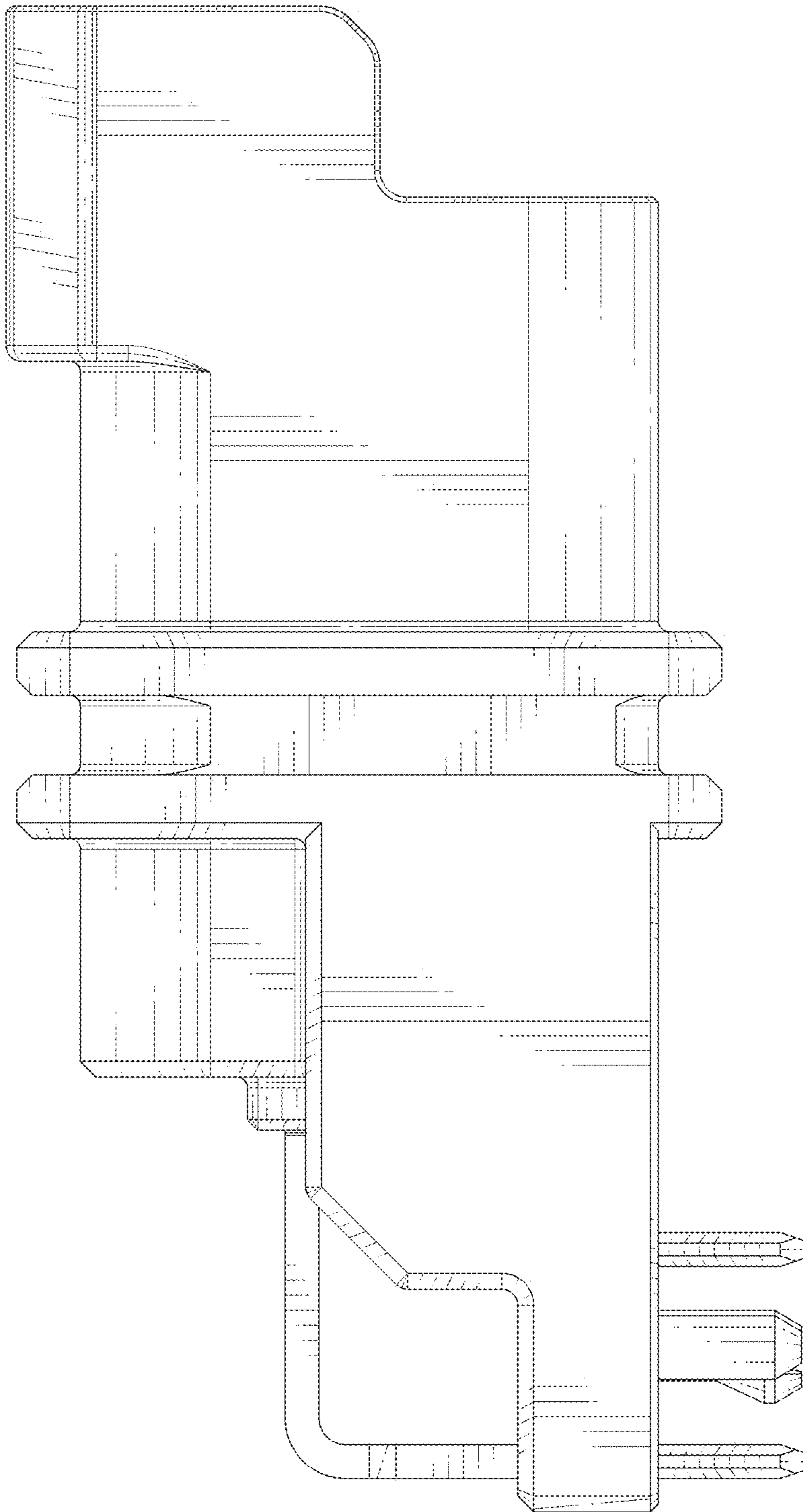


FIG. 4

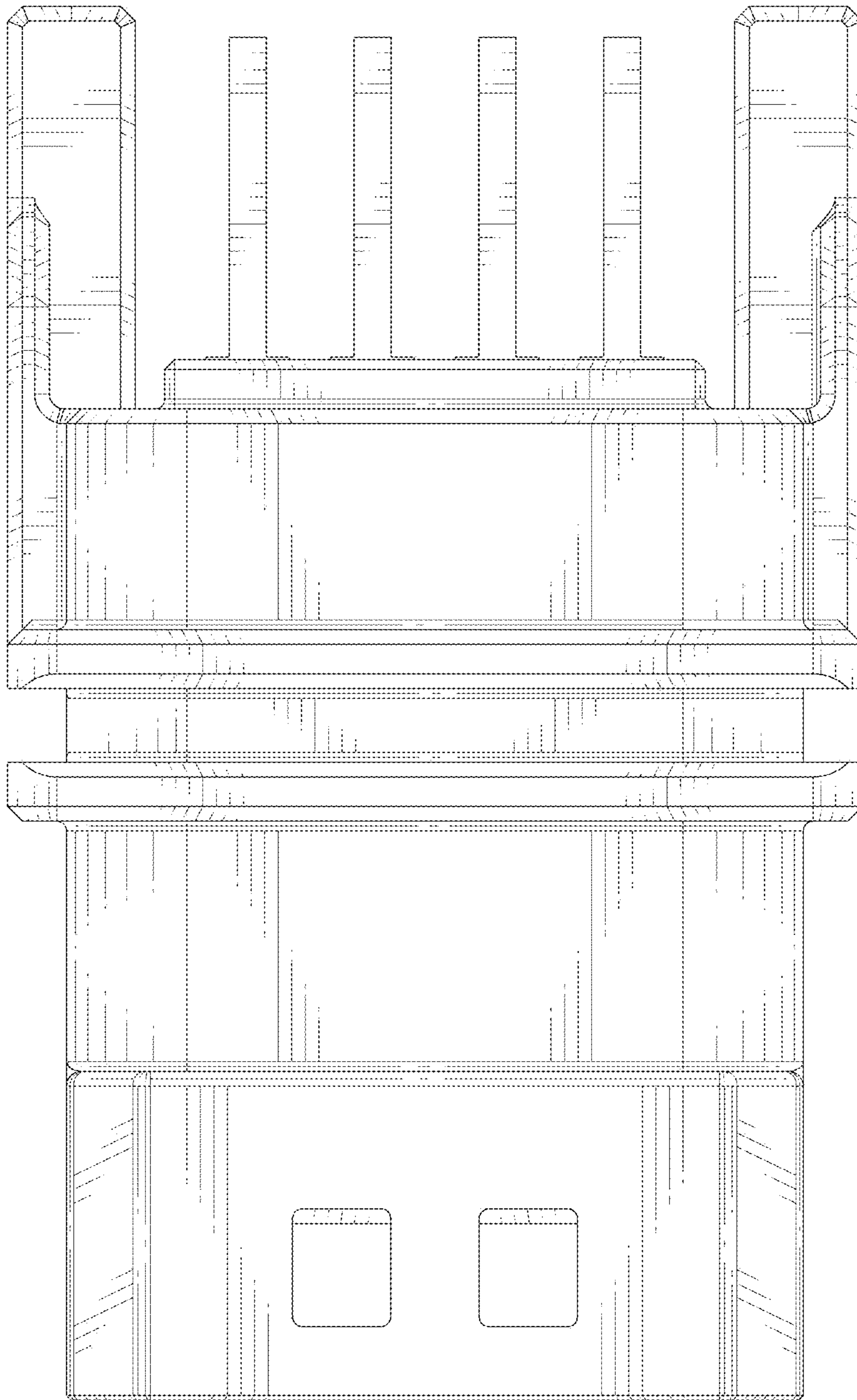


FIG. 5

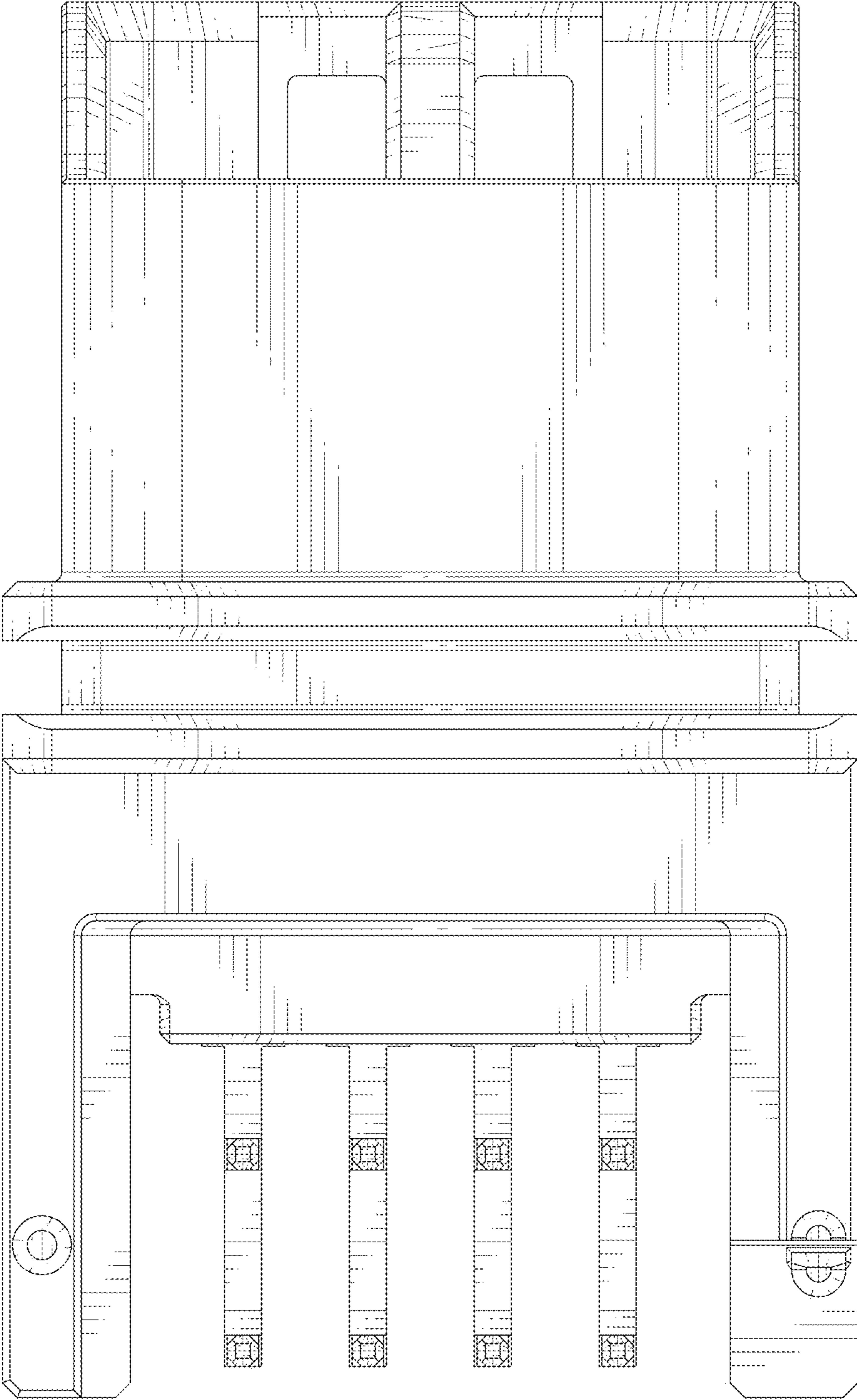


FIG. 6

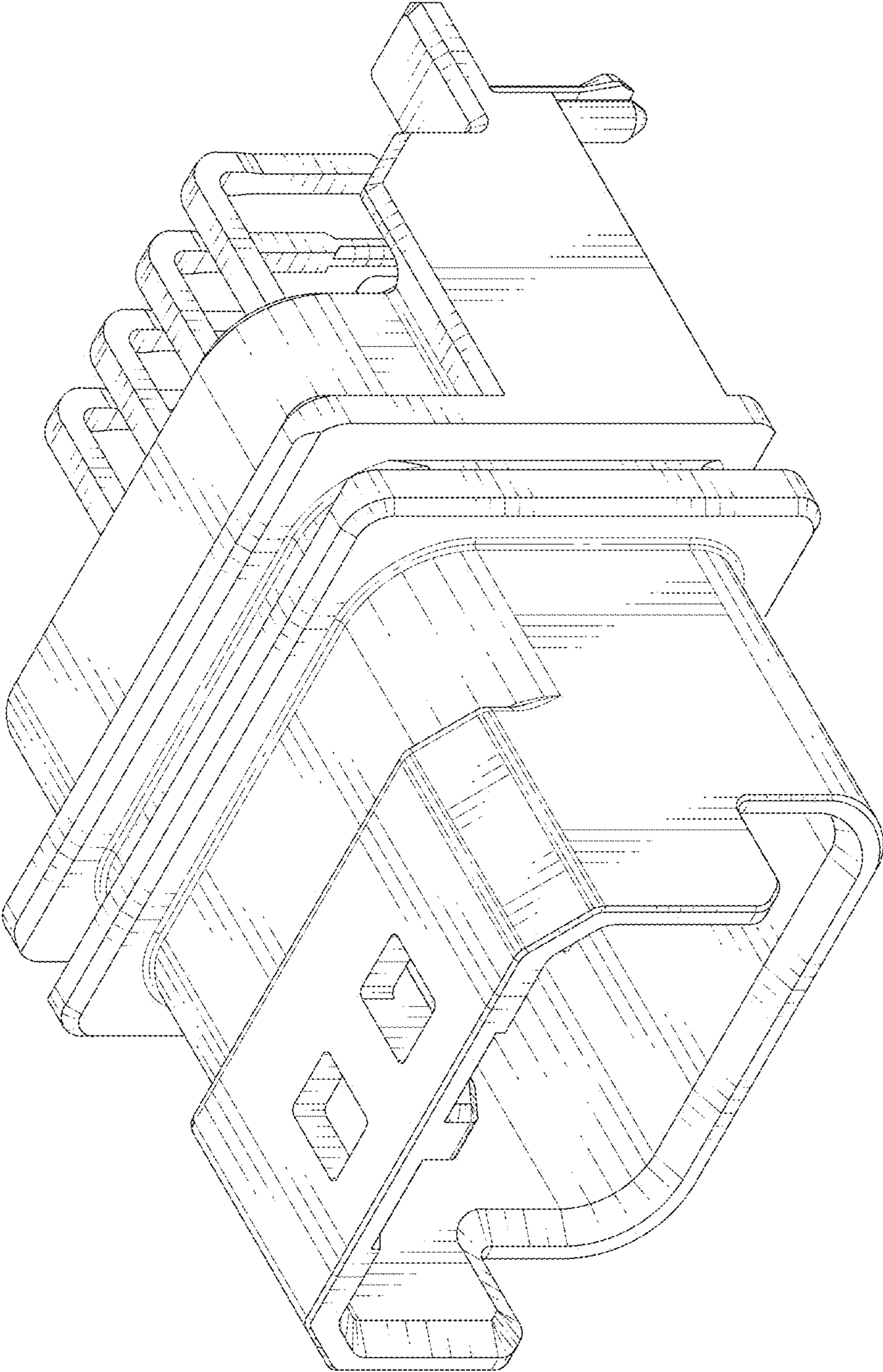


FIG. 7

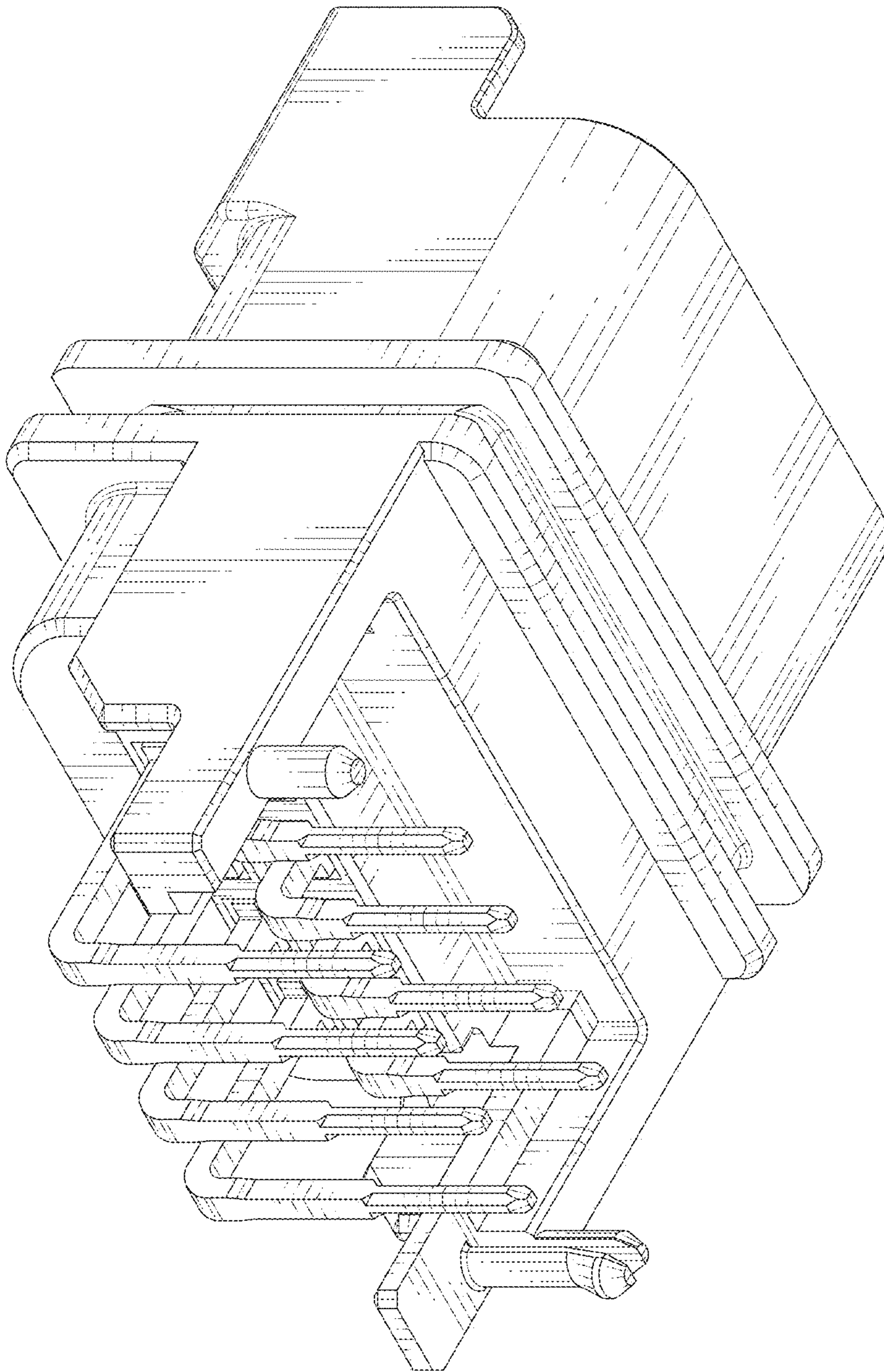


FIG. 8

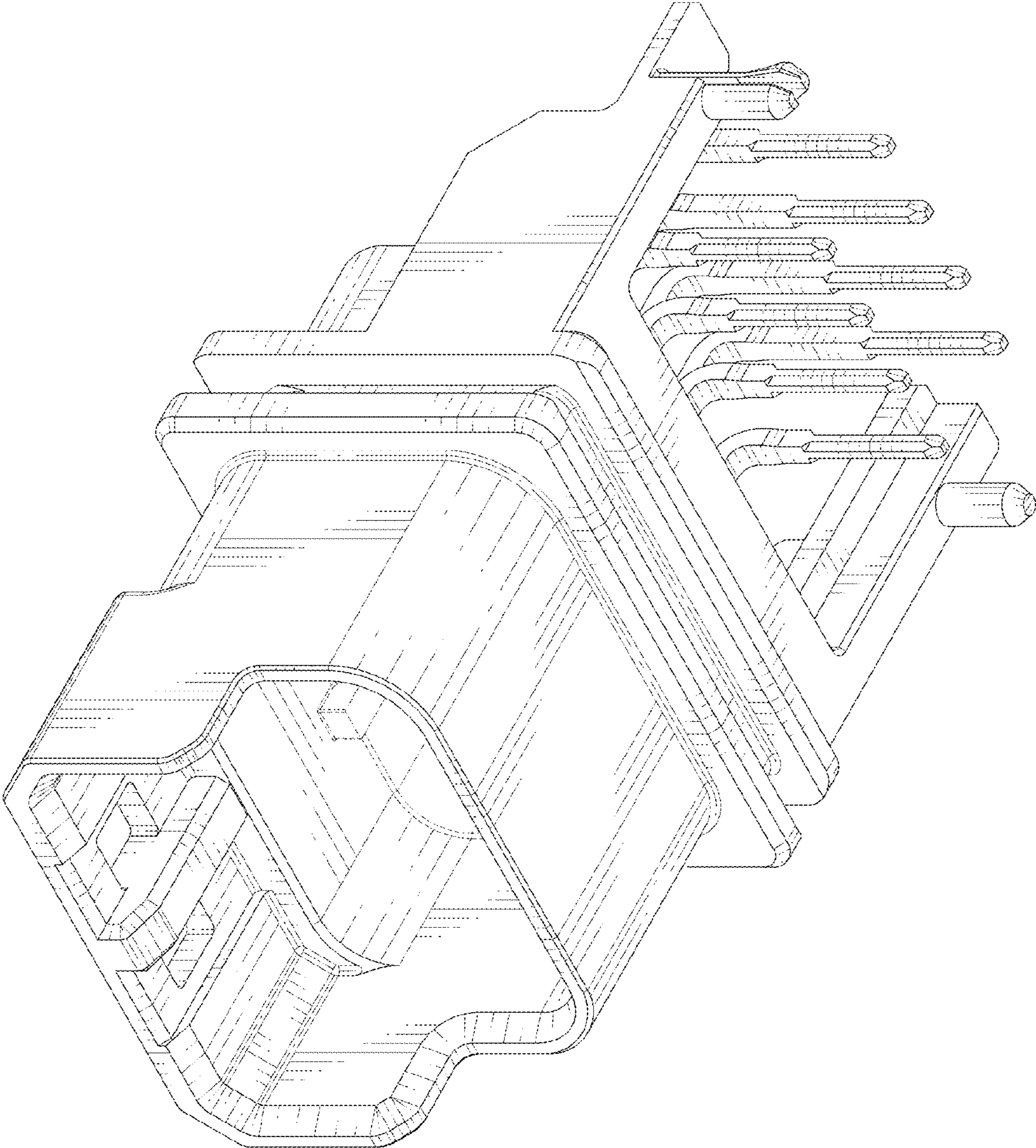


FIG. 9

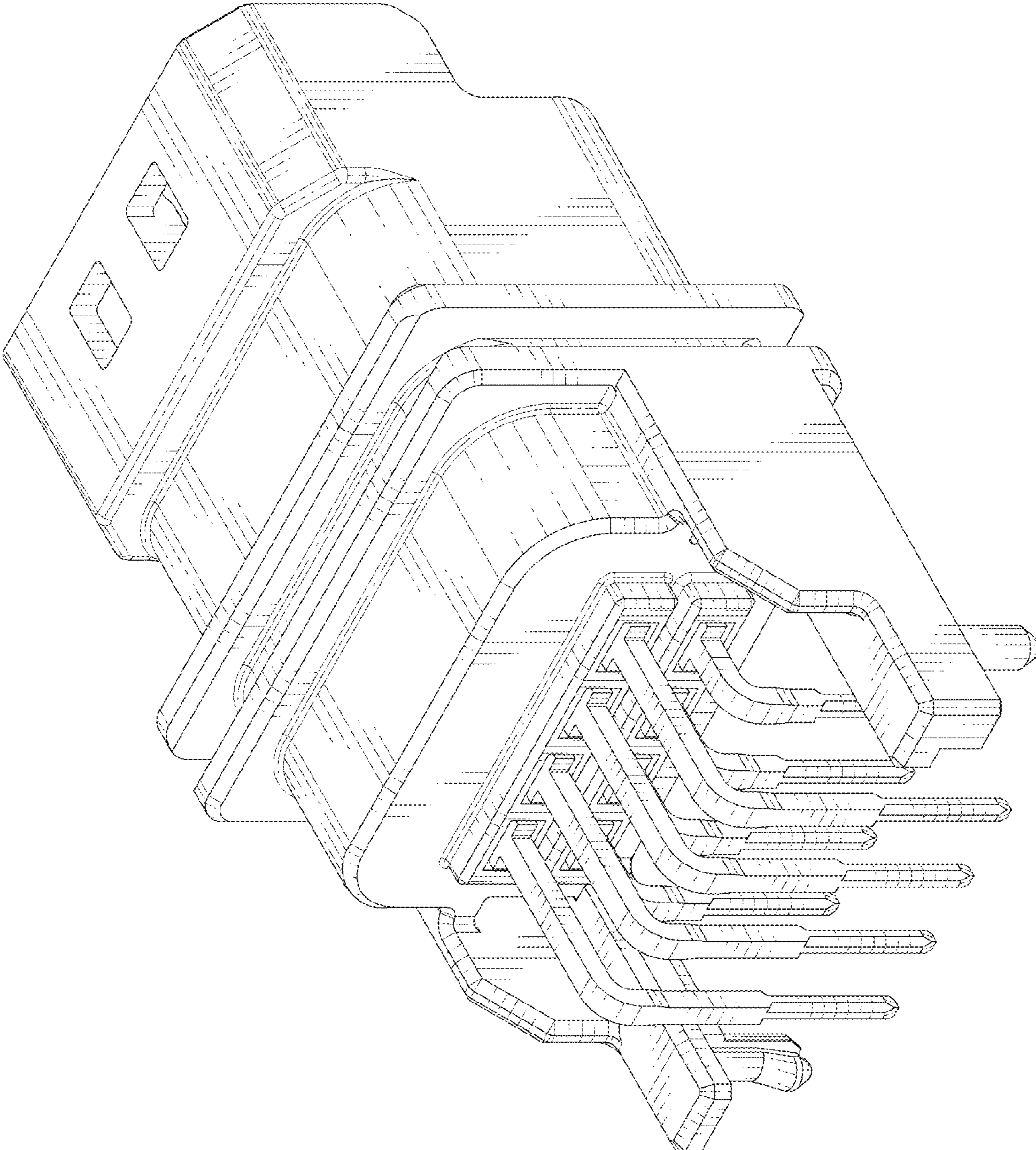


FIG. 10