



US0D1087026S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,087,026 S**
Wroten et al. (45) **Date of Patent:** **** Aug. 5, 2025**

(54) **ELECTRICAL CONNECTOR**

(71) Applicant: **Samtec, Inc.**, New Albany, IN (US)

(72) Inventors: **Alexander Wroten**, Louisville, KY
(US); **Istvan Novak**, Bedford, MA
(US); **Trevor Mitchell**, New Albany, IN
(US)

(73) Assignee: **SAMTEC, INC.**, New Albany, IN (US)

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

(21) Appl. No.: **29/839,410**

(22) Filed: **May 20, 2022**

(51) **LOC (15) 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 24/46; H01R 43/26
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,918,776	B2	7/2005	Spink, Jr.	
D512,379	S *	12/2005	Shimizu	D13/147
D512,380	S *	12/2005	Shimizu	D13/147
D519,080	S *	4/2006	Shimizu	D13/147
D539,225	S *	3/2007	Kishi	D13/147
D606,943	S	12/2009	Ohshima et al.	
7,896,698	B2	3/2011	Trout et al.	
D719,921	S *	12/2014	Choi	D13/147
D720,298	S	12/2014	Takenaga et al.	
8,979,551	B2	3/2015	Mongold et al.	

D810,694	S	2/2018	Horino et al.	
D828,306	S	9/2018	Horino et al.	
10,396,481	B2	8/2019	Lauermann	
D908,636	S	1/2021	Takenaga	
D923,581	S	6/2021	Oosaka	
11,031,709	B2	6/2021	Horii	
D924,165	S *	7/2021	Zabjanovski	D13/147
D924,166	S *	7/2021	Zabjanovski	D13/154
D924,167	S *	7/2021	Zabjanovski	D13/154

(Continued)

Primary Examiner — Amber R Stiles

Assistant Examiner — Leah E Hoeferkamp

(74) *Attorney, Agent, or Firm* — BakerHostetler

(57) **CLAIM**

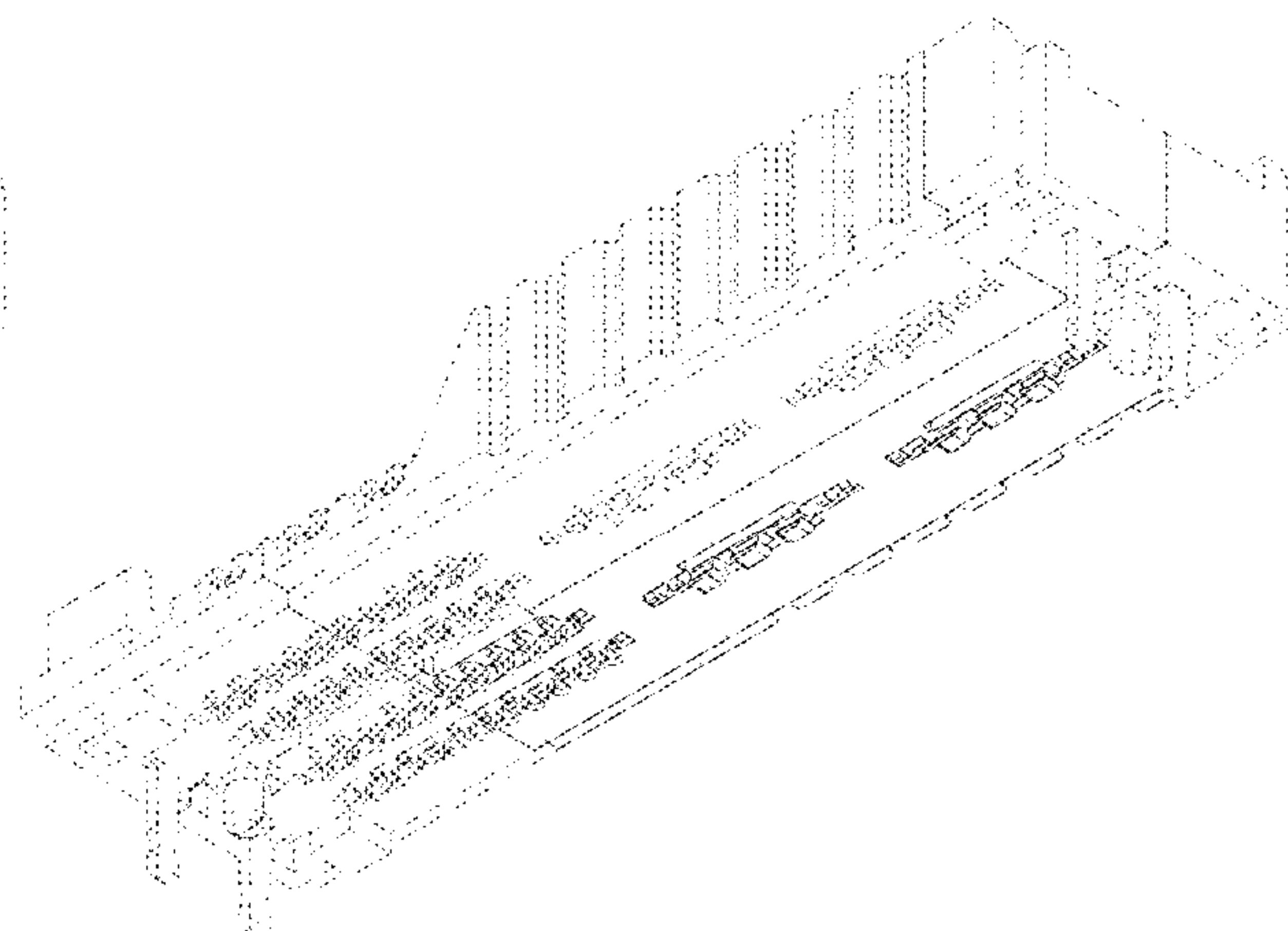
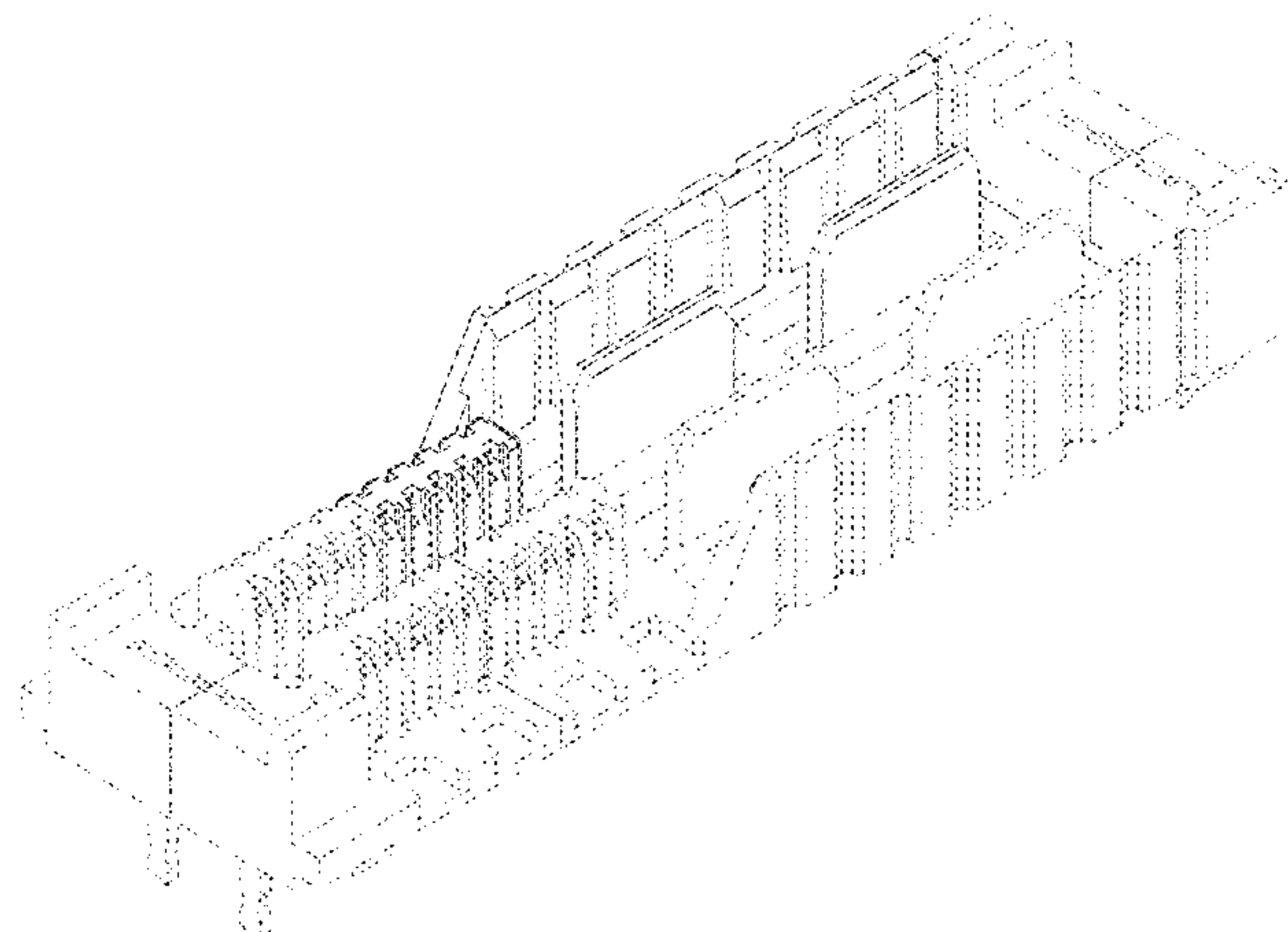
The ornamental design for an electrical connector as shown and described.

DESCRIPTION

FIG. 1 is a top, right, front perspective view of an electrical connector according to our design;
FIG. 2 is a bottom, right, rear perspective view thereof;
FIG. 3 is a top, left, rear perspective view thereof;
FIG. 4 is a bottom, left, front perspective view thereof;
FIG. 5 is a top, right, rear perspective view thereof;
FIG. 6 is a top, left, front perspective view thereof;
FIG. 7 is a bottom, right, front perspective view thereof;
FIG. 8 is a bottom, left, rear perspective view thereof;
FIG. 9 is a top plan view thereof;
FIG. 10 is a bottom plan view thereof;
FIG. 11 is a front elevation view thereof;
FIG. 12 is a rear elevation view thereof;
FIG. 13 is a right side elevation view thereof; and,
FIG. 14 is a left side elevation view thereof.

The dash-dash broken lines in the drawings are for the purpose of illustrating environment and forms no part of the claimed design. The dash-dot-dash broken lines are boundary lines that define the bounds of the claimed design and form no part thereof.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D930,593	S	*	9/2021	Zabjanovski	D13/147
D940,663	S	*	1/2022	Musser	D13/147
D941,252	S	*	1/2022	Musser	D13/147
D949,798	S		4/2022	Musser et al.	
D950,498	S	*	5/2022	Musser	D13/147
D950,499	S	*	5/2022	Musser	D13/147
D950,500	S		5/2022	Musser et al.	
D950,502	S	*	5/2022	Musser	D13/147
D951,875	S	*	5/2022	Musser	D13/147
D951,876	S	*	5/2022	Zabjanovski	D13/154
D965,530	S	*	10/2022	Faith	D13/147
D969,749	S		11/2022	Ito et al.	
D977,435	S	*	2/2023	Omodachi	D13/133
D987,576	S	*	5/2023	Omodachi	D13/147
D1,024,967	S		4/2024	Musser et al.	
D1,036,393	S		7/2024	Choudhari	
D1,039,500	S	*	8/2024	Musser	D13/147
D1,040,766	S	*	9/2024	Musser	D13/147
D1,043,588	S	*	9/2024	Musser	D13/147
D1,045,804	S	*	10/2024	Musser	D13/147
2008/0139041	A1		6/2008	Margulis et al.	
2014/0099804	A1		4/2014	Kobuchi et al.	
2015/0263464	A1		9/2015	Arichika et al.	
2016/0079704	A1	*	3/2016	Chen	H01R 13/631 439/374
2016/0149363	A1	*	5/2016	Patel	H01R 27/02 439/660
2019/0190209	A1		6/2019	Horino et al.	
2021/0126401	A1	*	4/2021	Musser	H01R 43/205

* cited by examiner

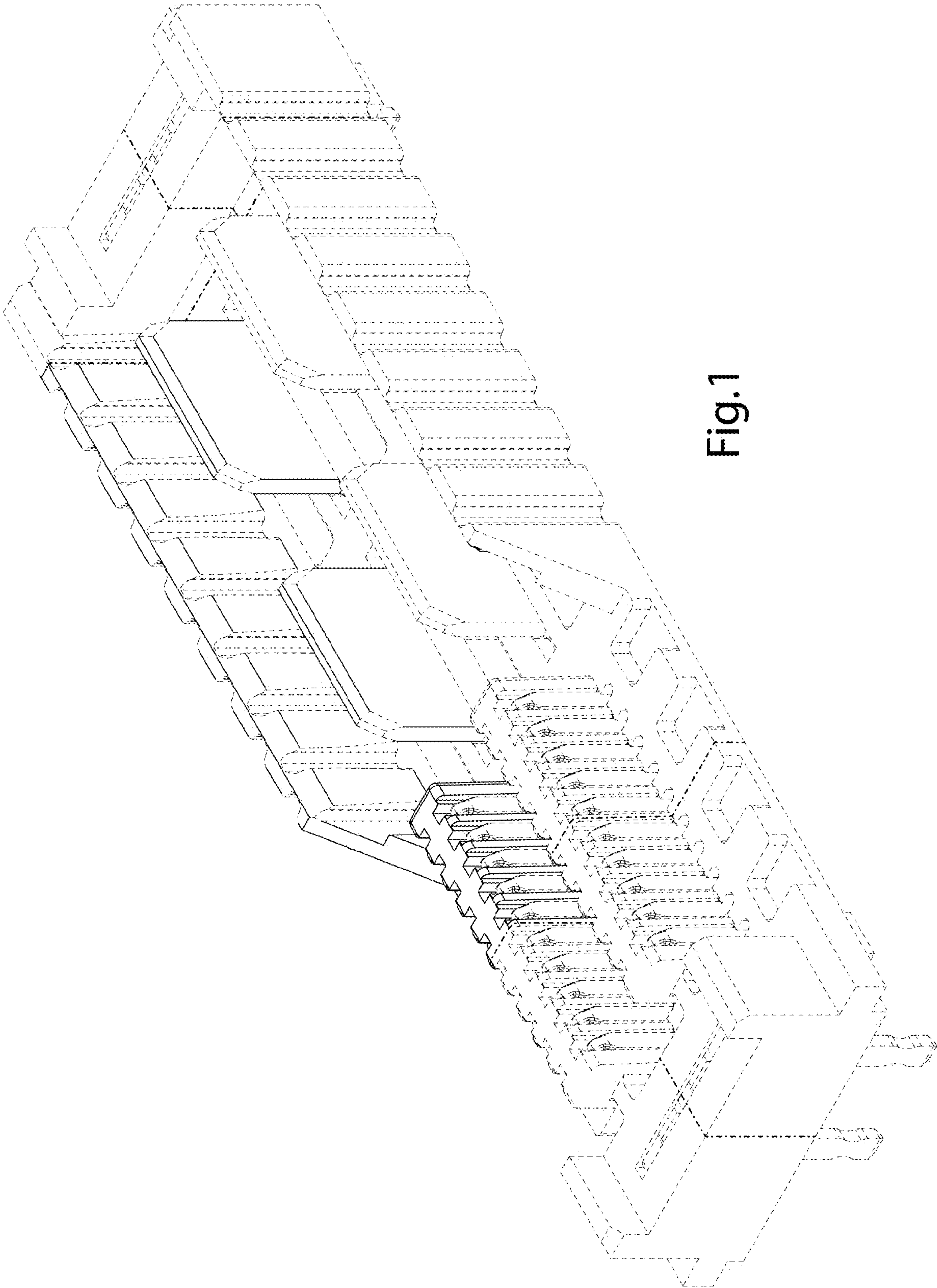


Fig.1

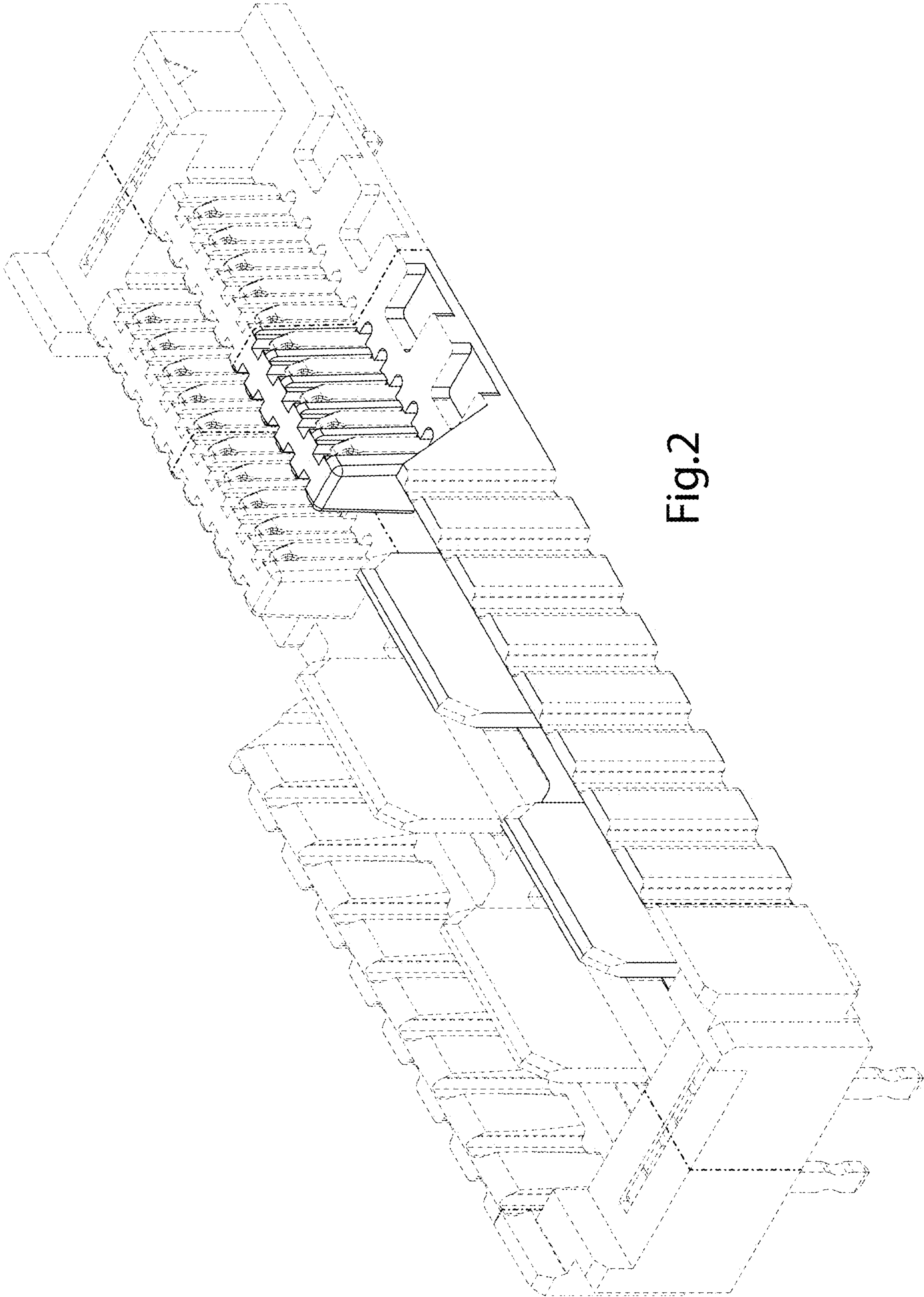


Fig.2

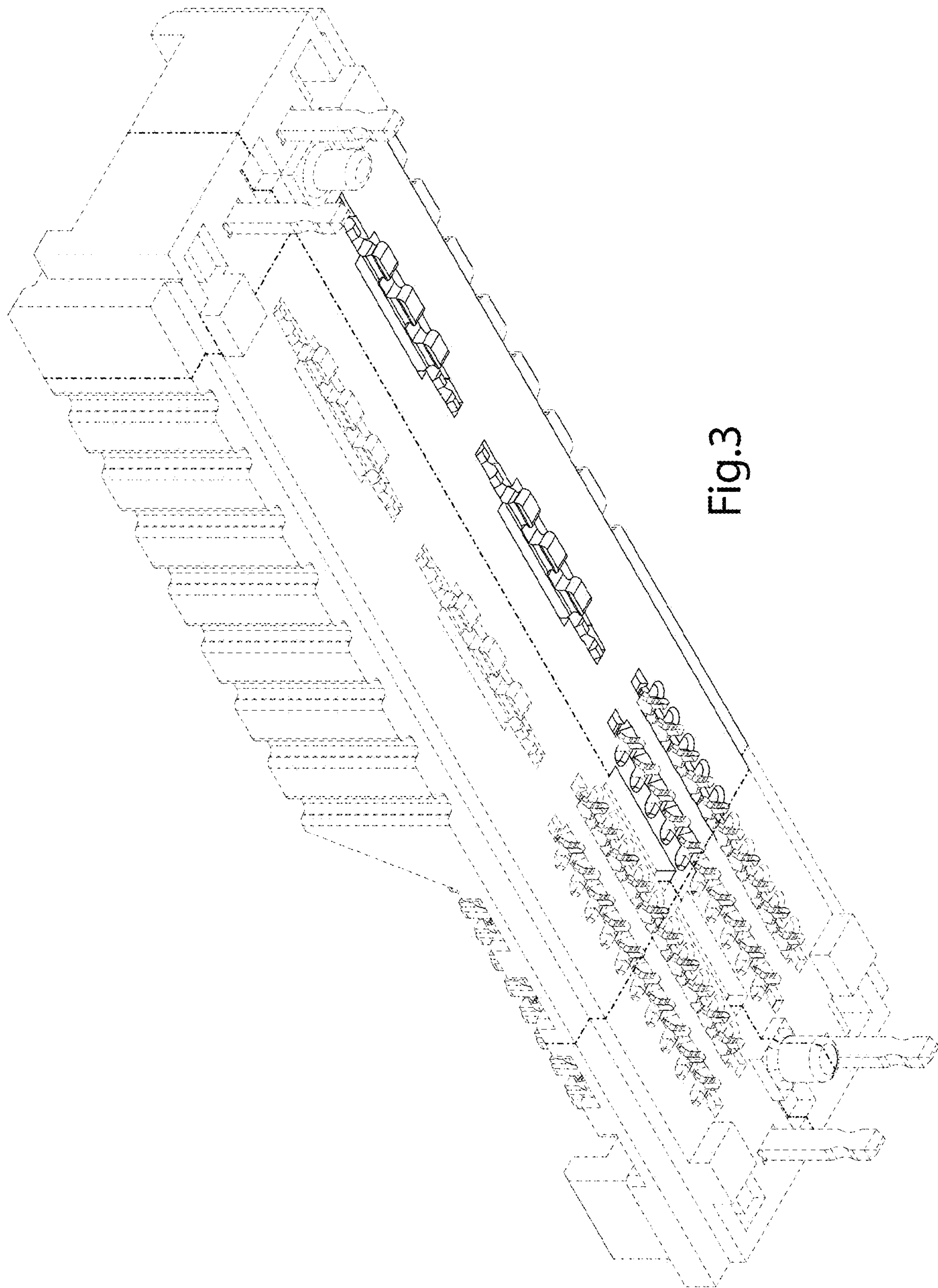


Fig.3

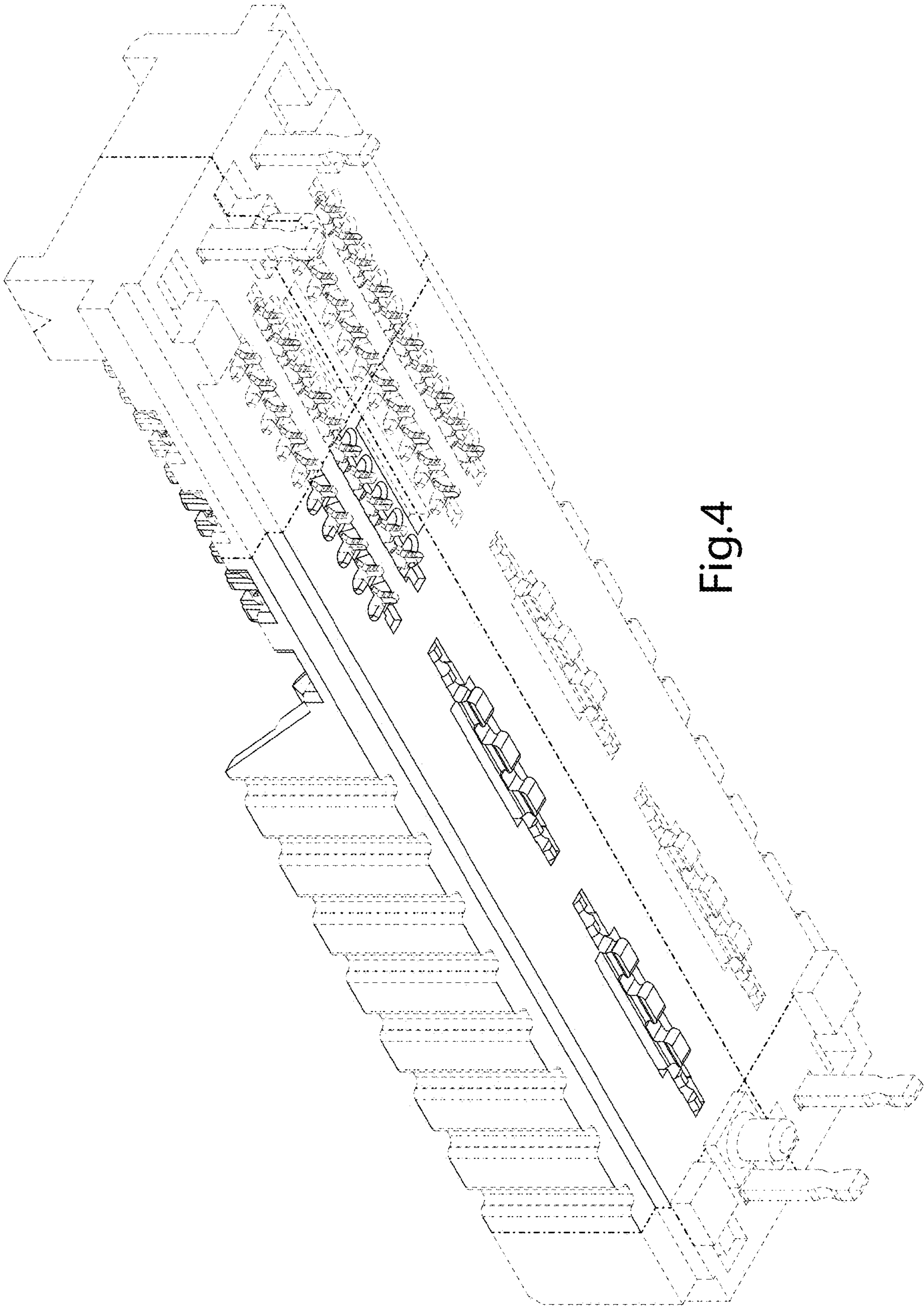


Fig.4

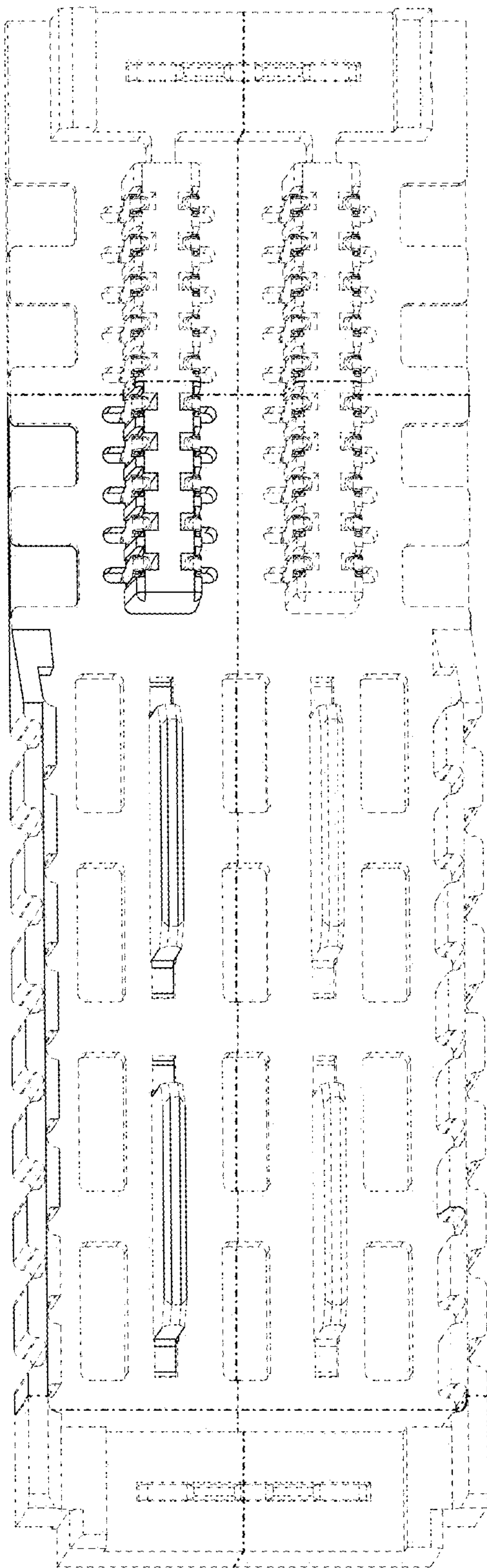


Fig.5

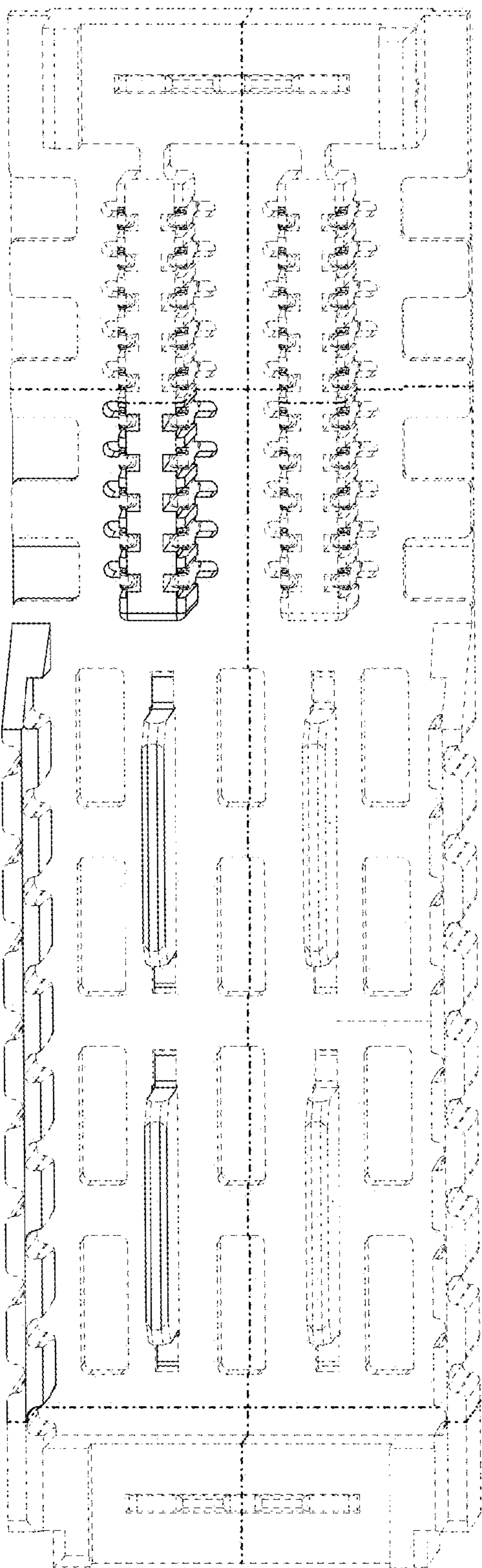


Fig.6

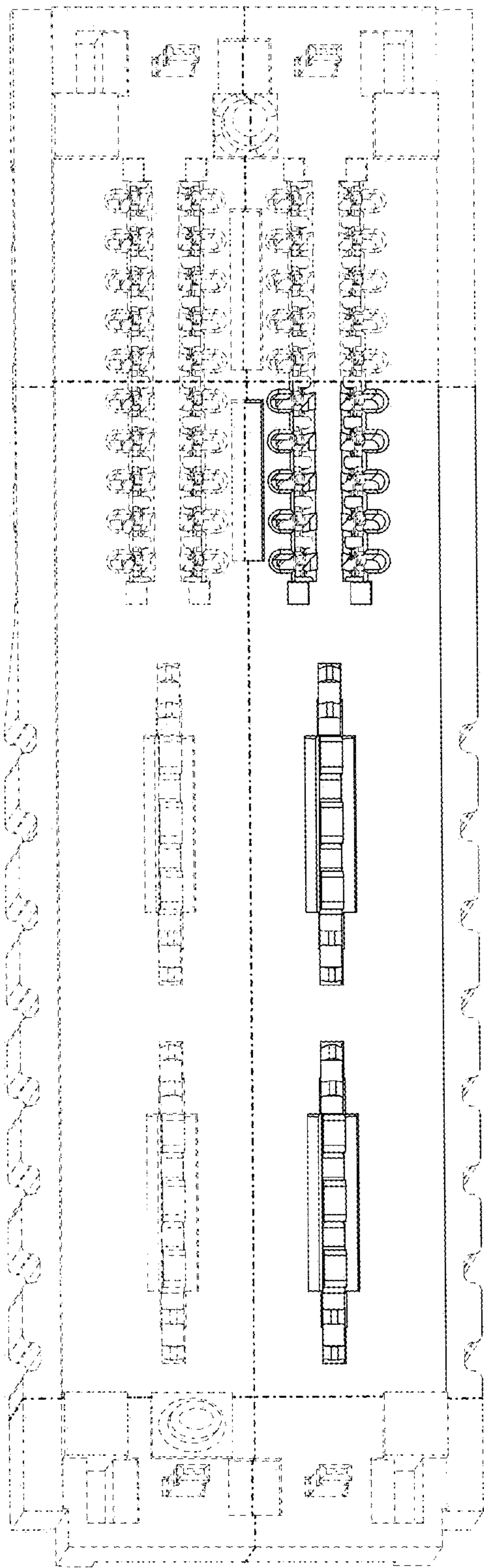


Fig.7

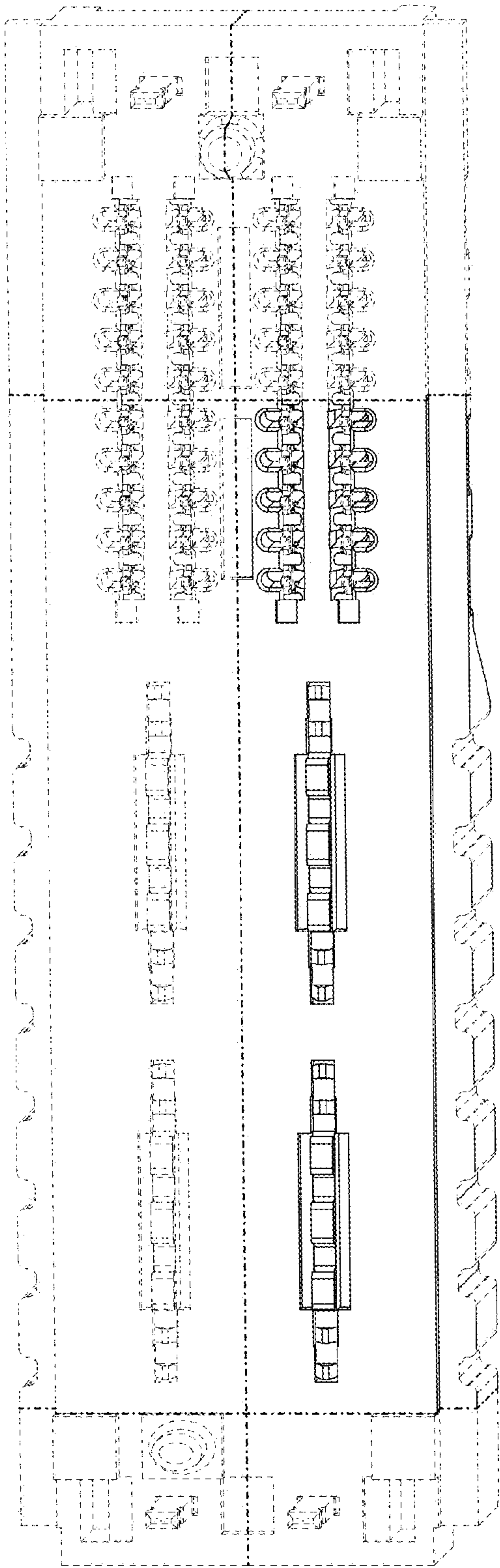


Fig.8

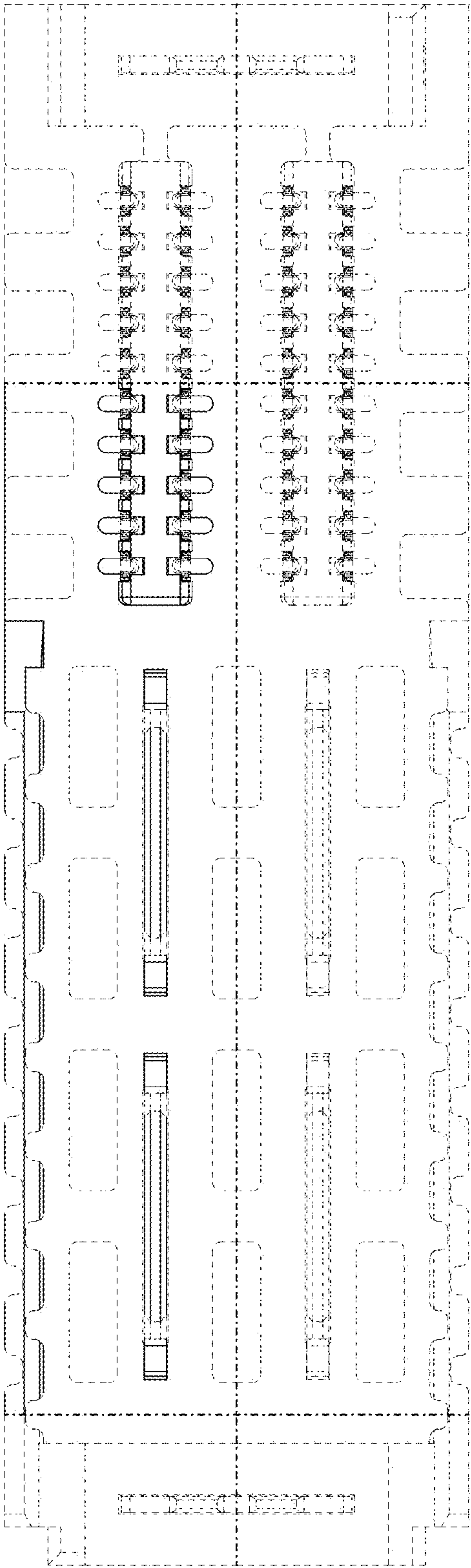


Fig.9

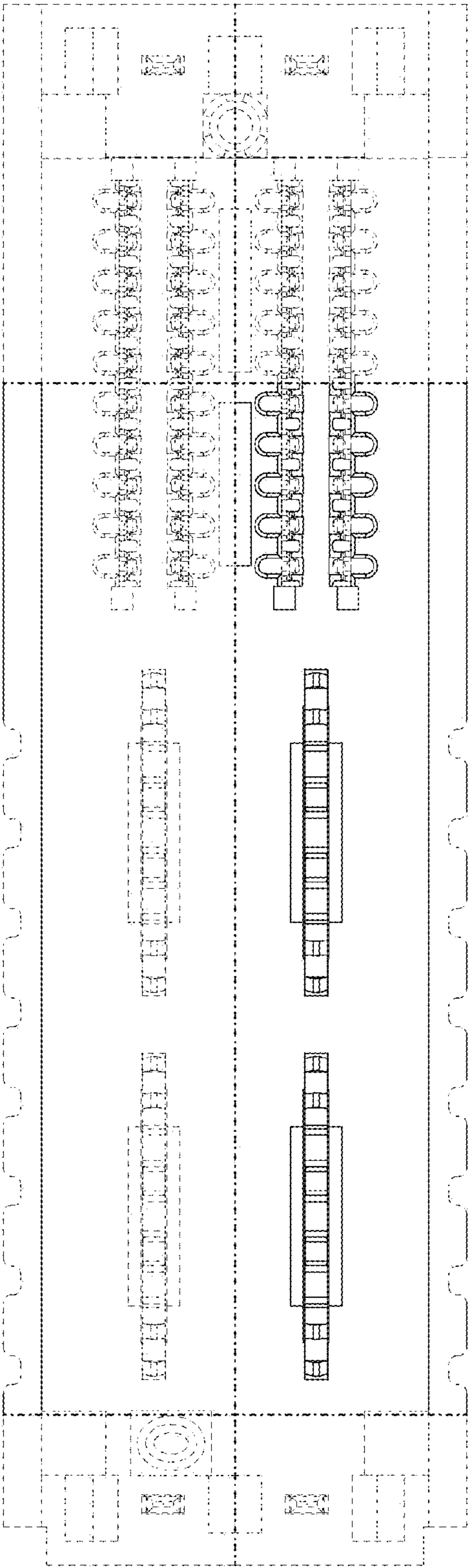


Fig.10

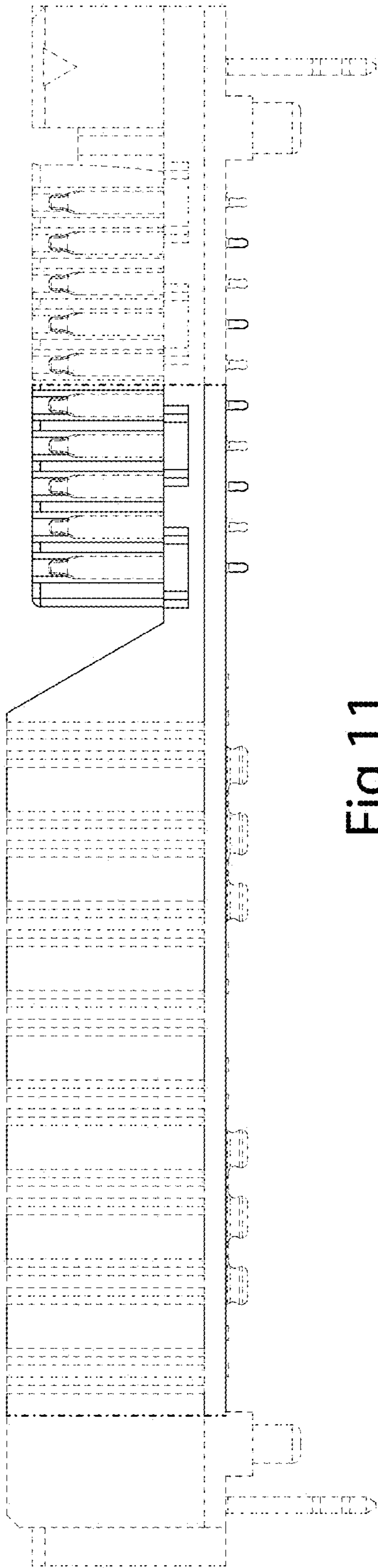


Fig.11

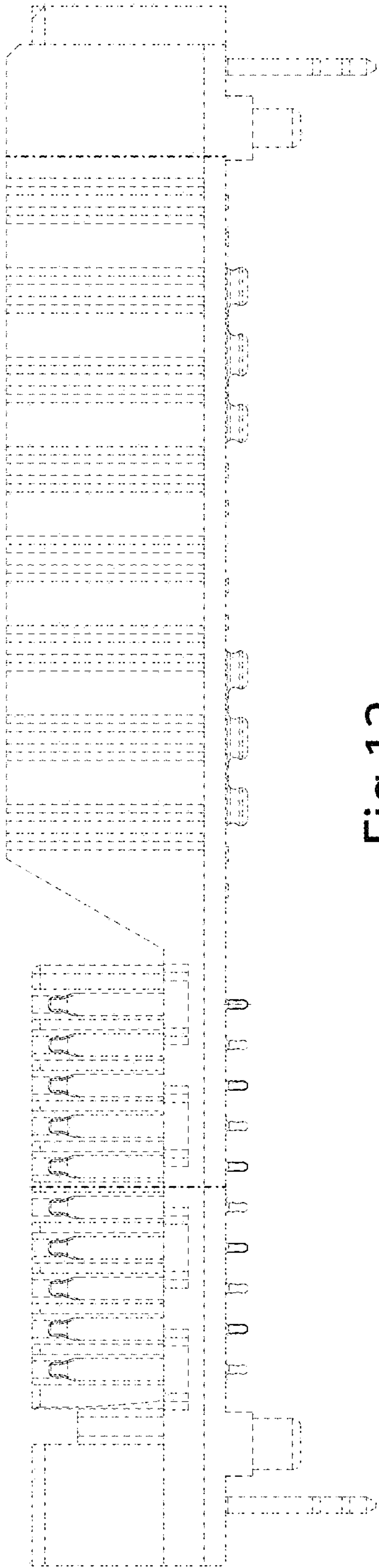


Fig.12

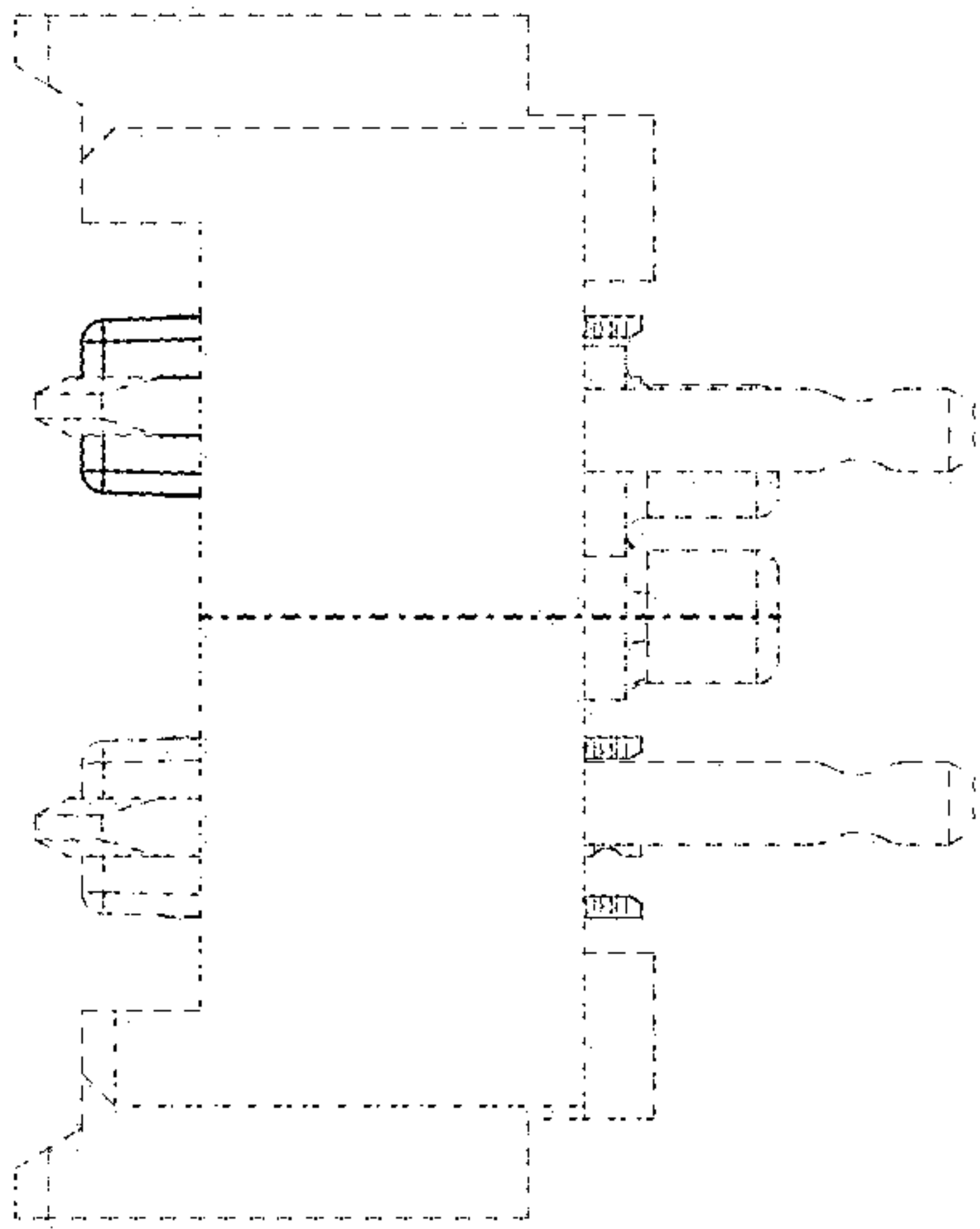


Fig.13

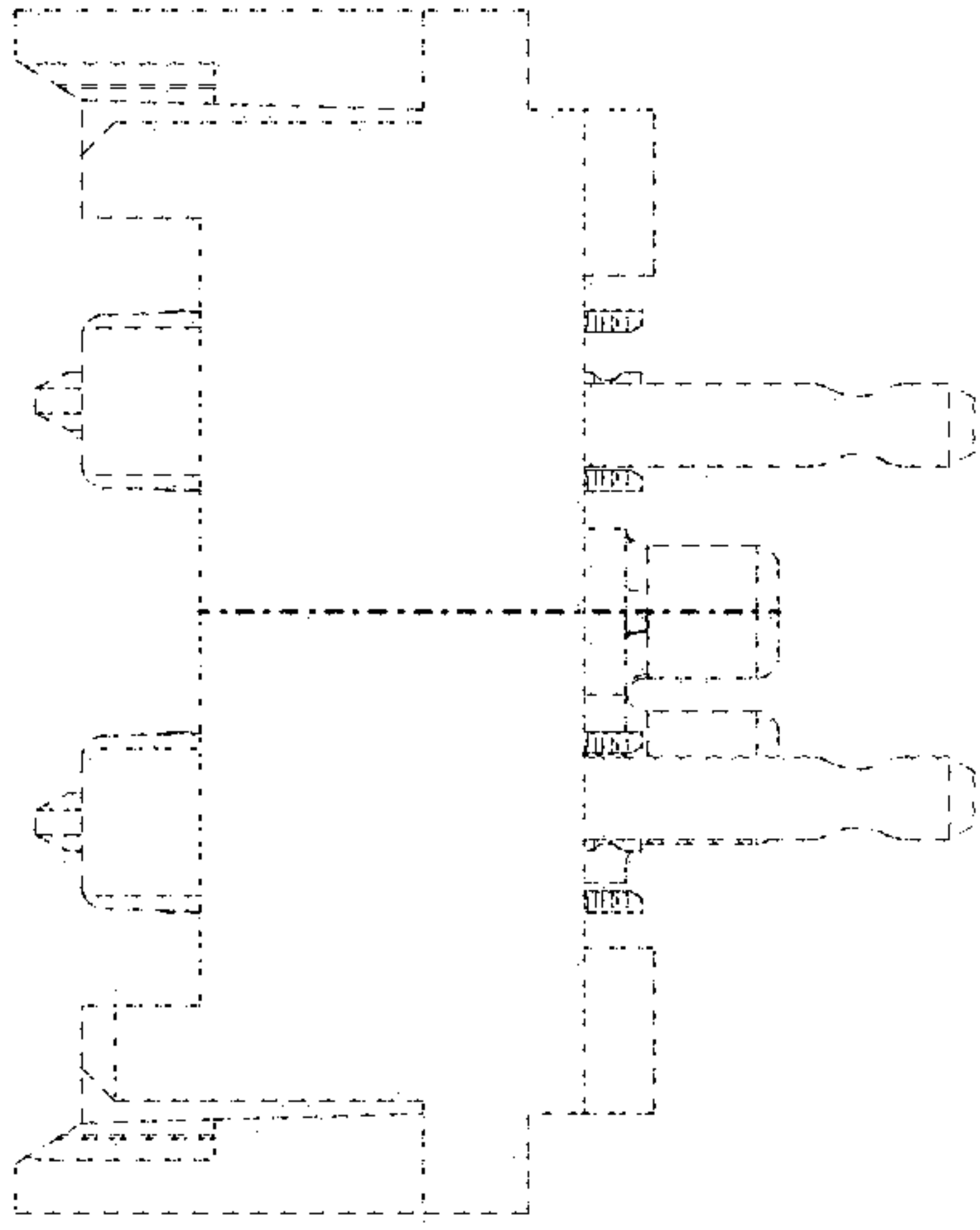


Fig.14