

US00D519080S

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

(10) **Patent No.: US D519,080 S**

(45) **Date of Patent: ** *Apr. 18, 2006**

(54) **ELECTRICAL CONNECTOR**

FOREIGN PATENT DOCUMENTS

(75) Inventors: **Kazuomi Shimizu**, Aichi (JP); **Akihiko Onchi**, Aichi (JP); **Daisuke Miyachi**, Aichi (JP)

JP	D1138433 S	4/2002
JP	D1139132 S	4/2002
JP	D1142410 S	6/2002
JP	D1142945 S	6/2002
JP	D1156383 S	10/2002
JP	D1156384 S	10/2002
JP	D1172560 S	5/2003
JP	D1172564 S	5/2003
JP	D1172566 S	5/2003
JP	D1180010 S	7/2003
JP	D1180302 S	7/2003

(73) Assignee: **J.S.T. Mfg. Co., Ltd.**, Osaka (JP)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/213,869**

(22) Filed: **Sep. 24, 2004**

(30) **Foreign Application Priority Data**

Mar. 26, 2004 (JP) 2004-009147

(51) **LOC (8) Cl.** **13-03**

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

(58) **Field of Classification Search** D13/146-147,
D13/199; 439/62, 260, 325, 329, 395, 422,
439/492, 495, 499, 607

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,575,673 A	*	11/1996	Dahlem et al.	.....	439/248
D455,717 S	*	4/2002	Hayashi et al.	.....	D13/147
D466,481 S	*	12/2002	Wu	.....	D13/147
D467,549 S	*	12/2002	Wu	.....	D13/147
D482,327 S	*	11/2003	Saito et al.	.....	D13/147
D497,343 S	*	10/2004	Busse et al.	.....	D13/147
D497,344 S	*	10/2004	Huang	.....	D13/147
D502,922 S	*	3/2005	Cheng et al.	.....	D13/147
2005/0020125 A1	*	1/2005	Huang	.....	439/495

OTHER PUBLICATIONS

Catalog, "Connectors Catalog / SHL Connector," vol. 111, pp. 6-7 JST Mfg. Co., Ltd. (Nov. 2002).

* cited by examiner

Primary Examiner—Stella Reid

Assistant Examiner—Daniel Bui

(74) *Attorney, Agent, or Firm*—Rader, Fishman & Grauer PLLC

(57) **CLAIM**

The ornamental design for an electrical connector, as shown.

DESCRIPTION

FIG. 1 is a perspective view of an electrical connector showing our new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a right side elevational view thereof; and,

FIG. 7 is a left side elevational view thereof.

1 Claim, 4 Drawing Sheets

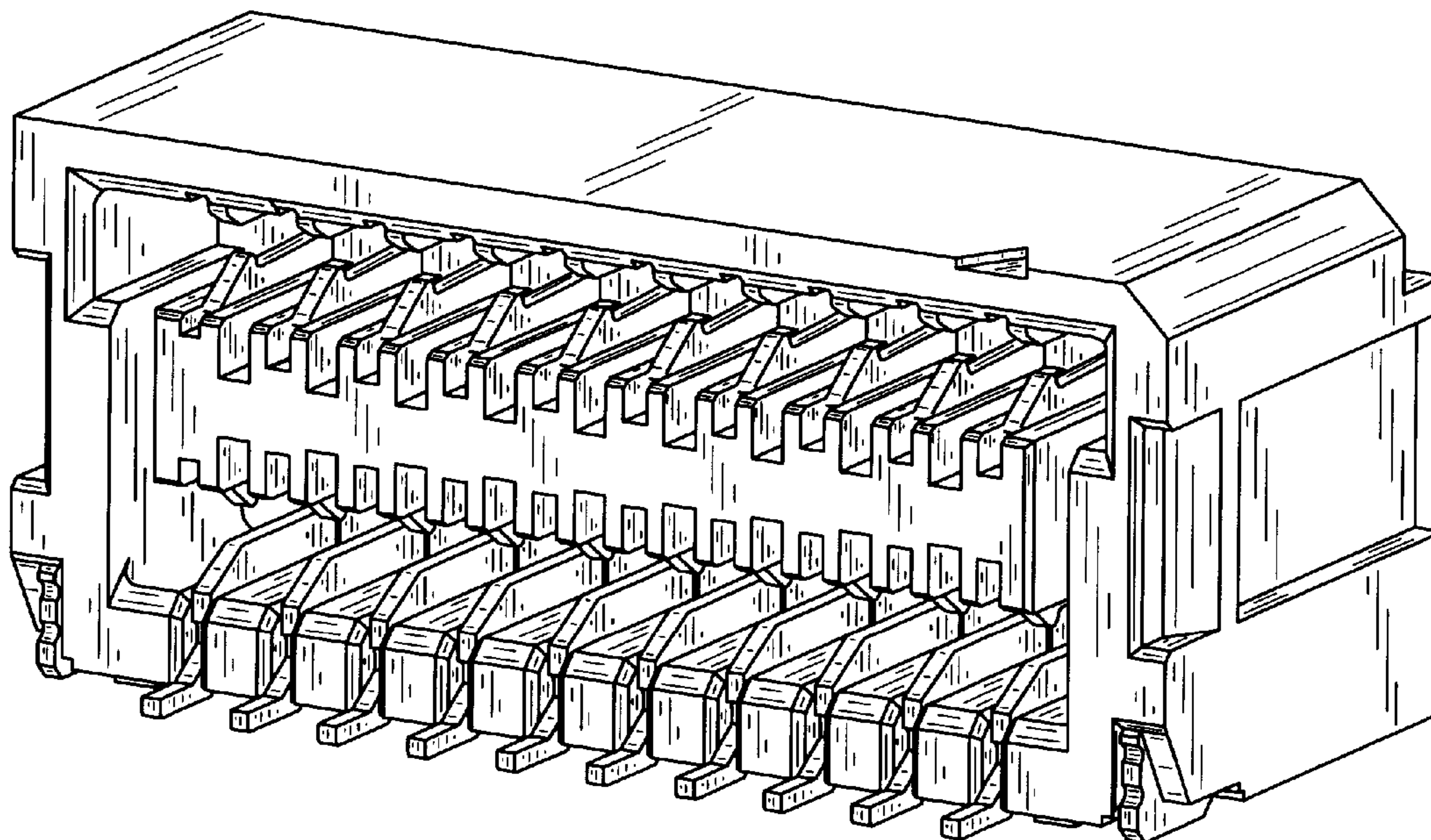
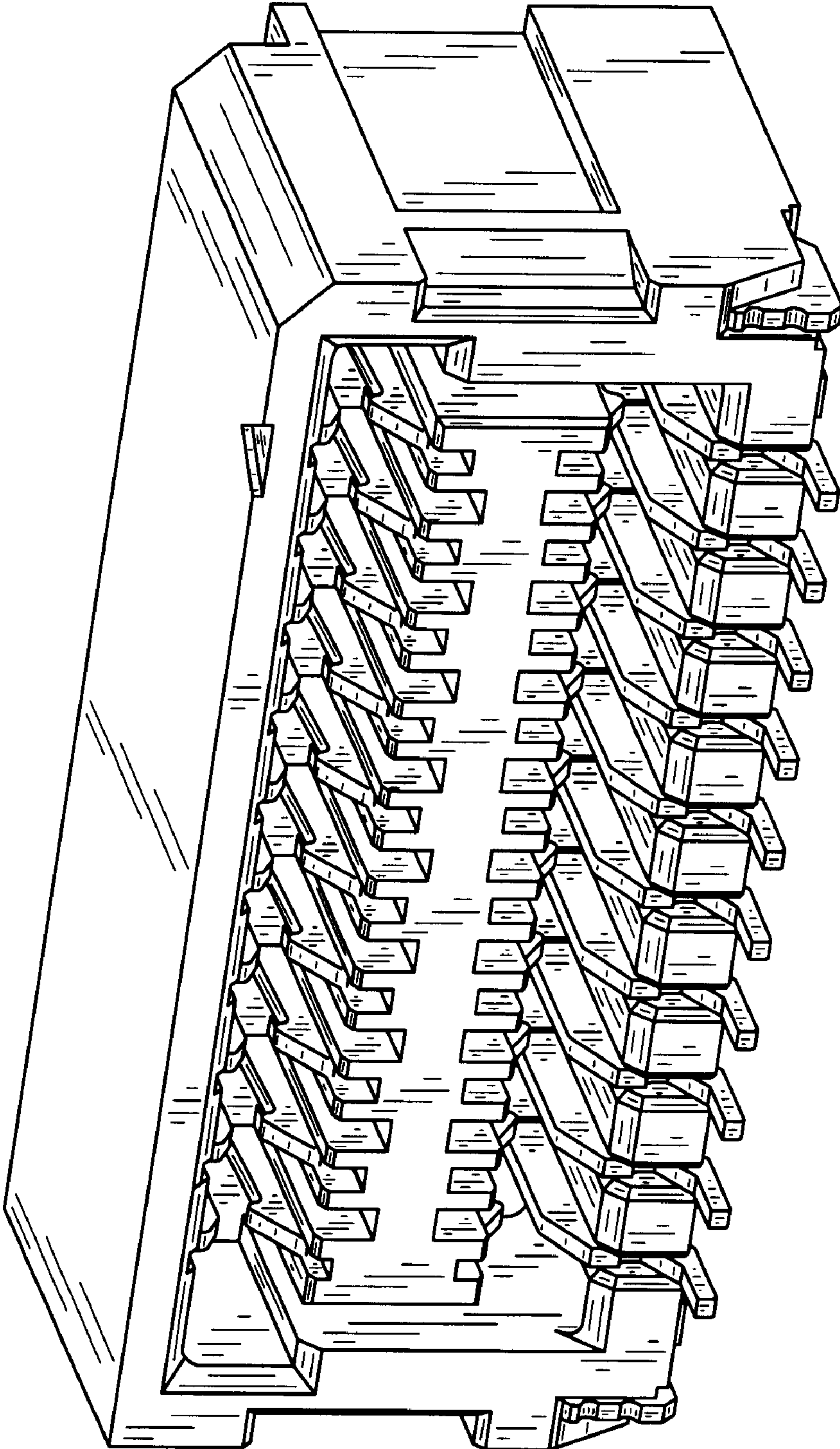


Fig. 1



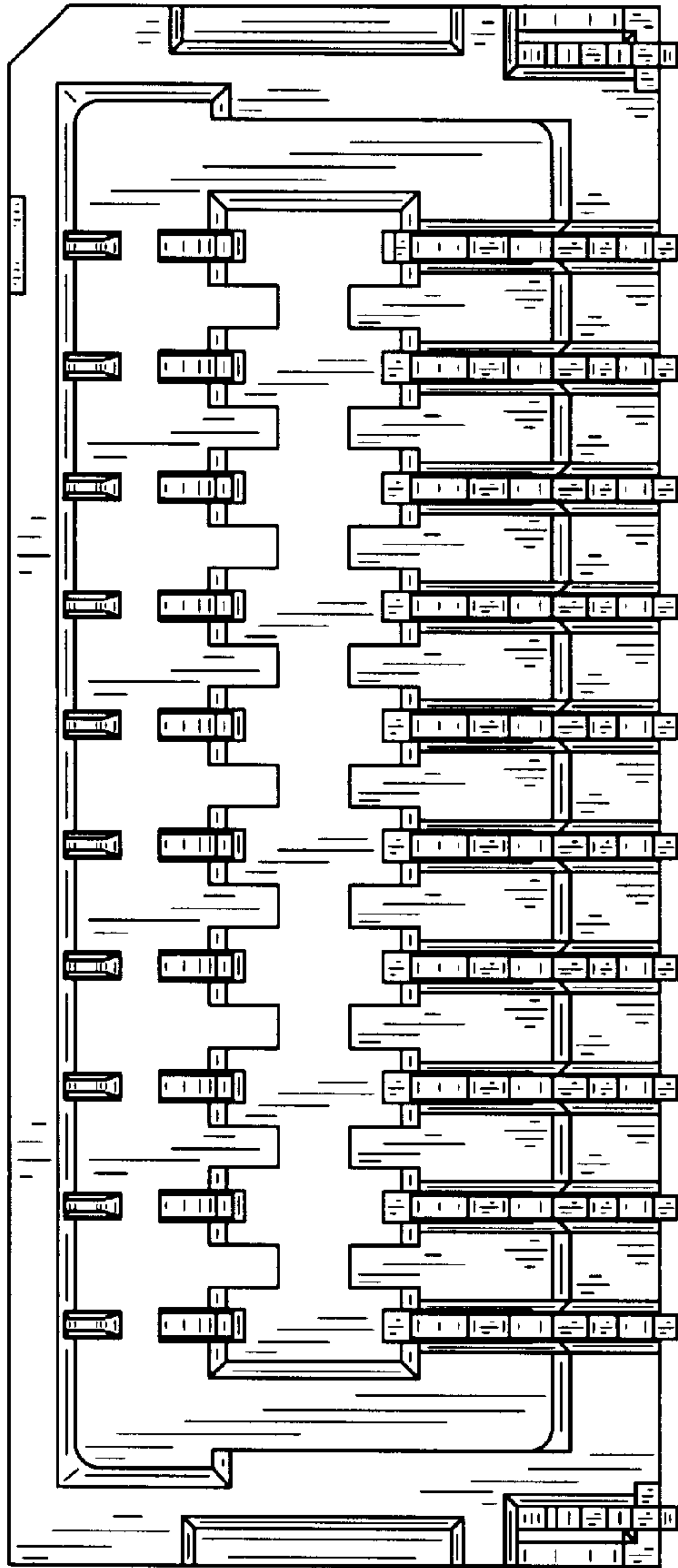


Fig.2

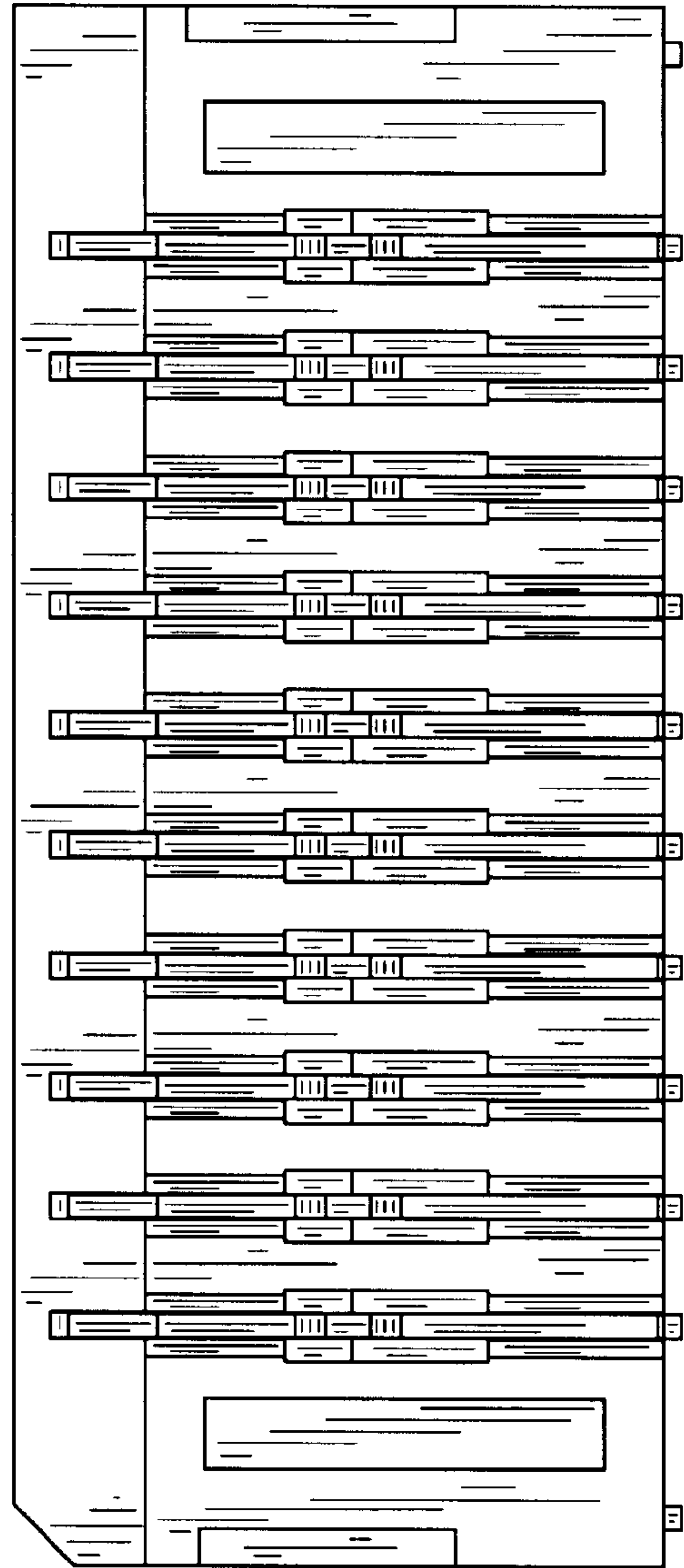


Fig.3

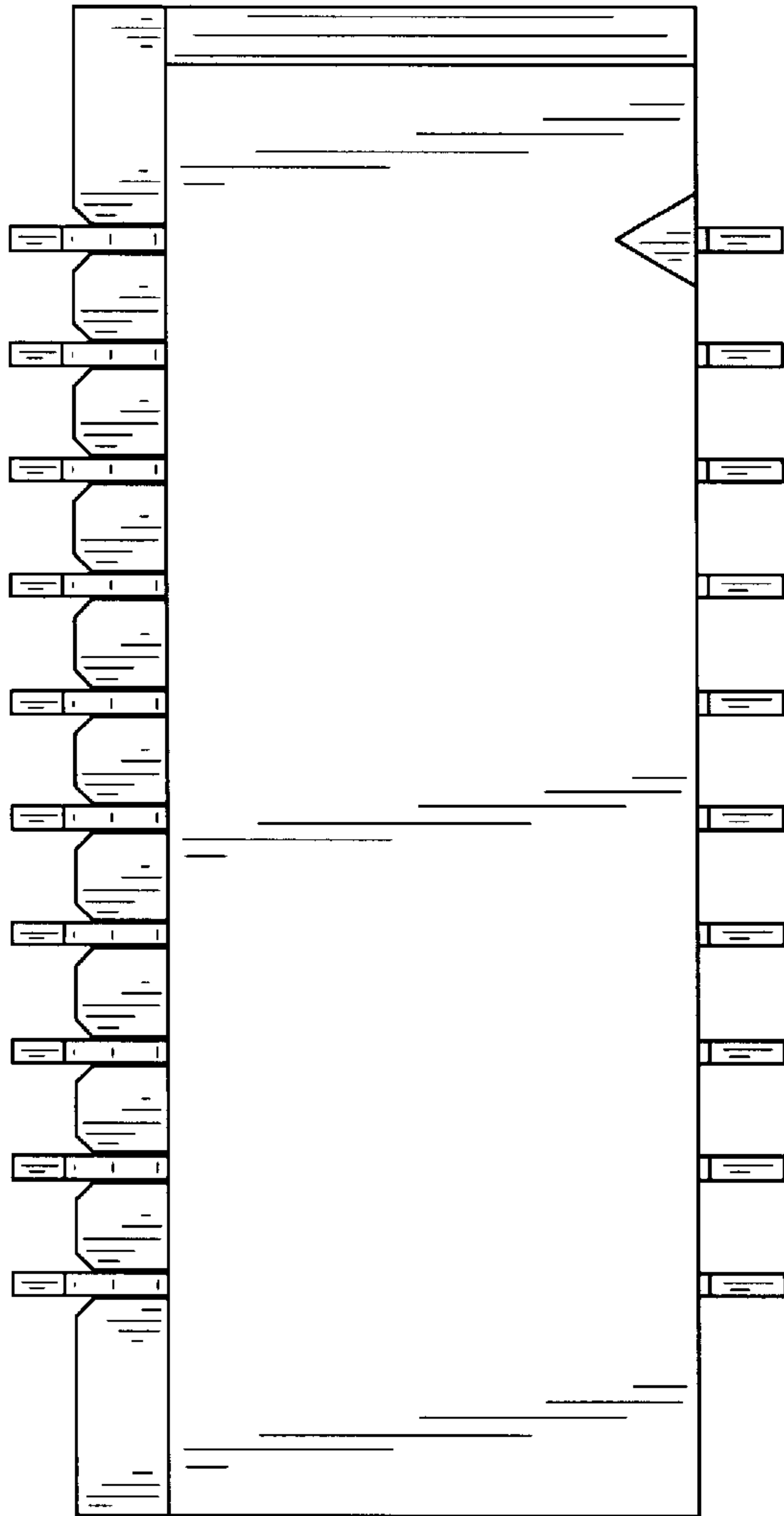


Fig. 4

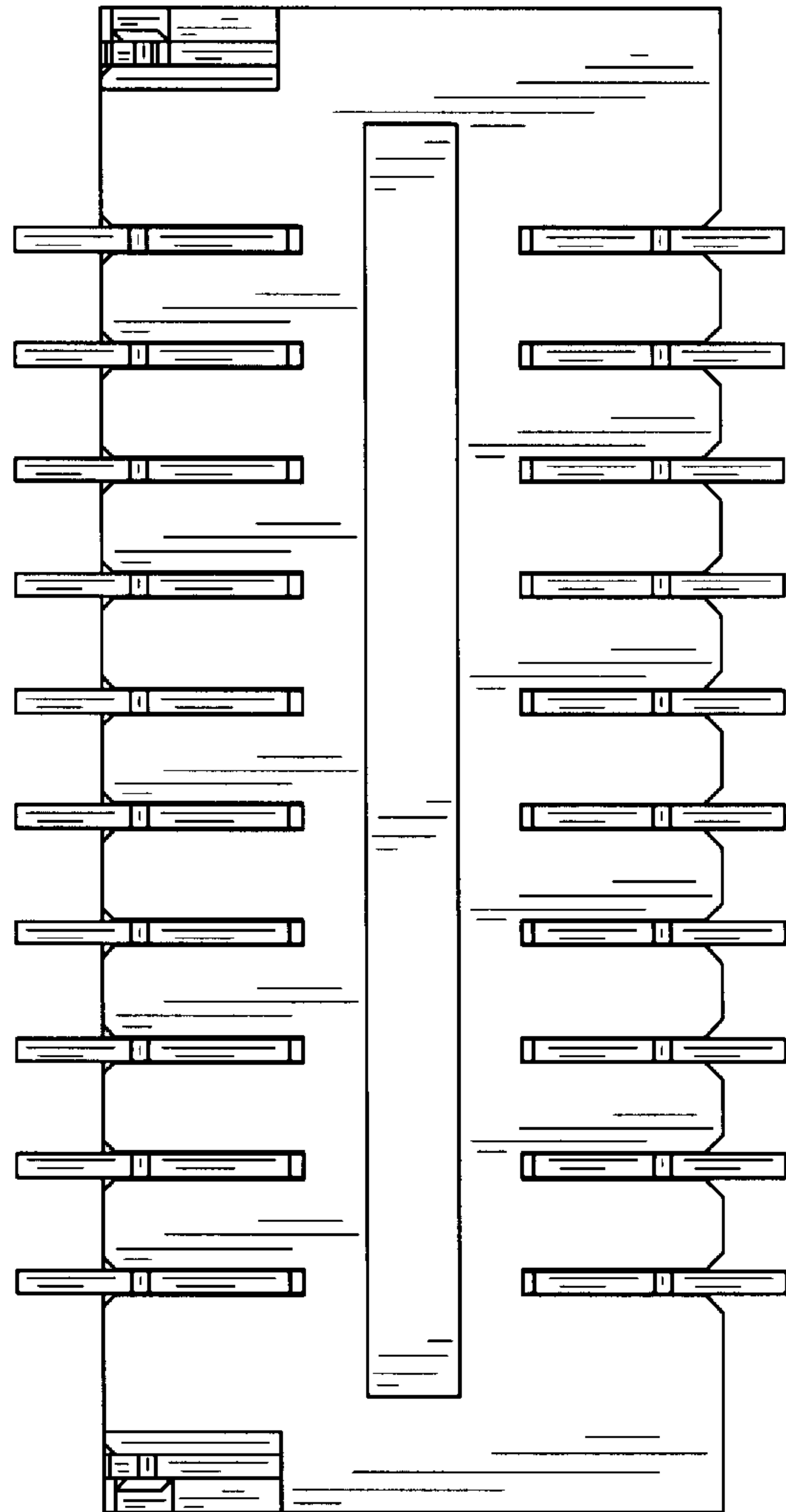


Fig. 5

Fig.6

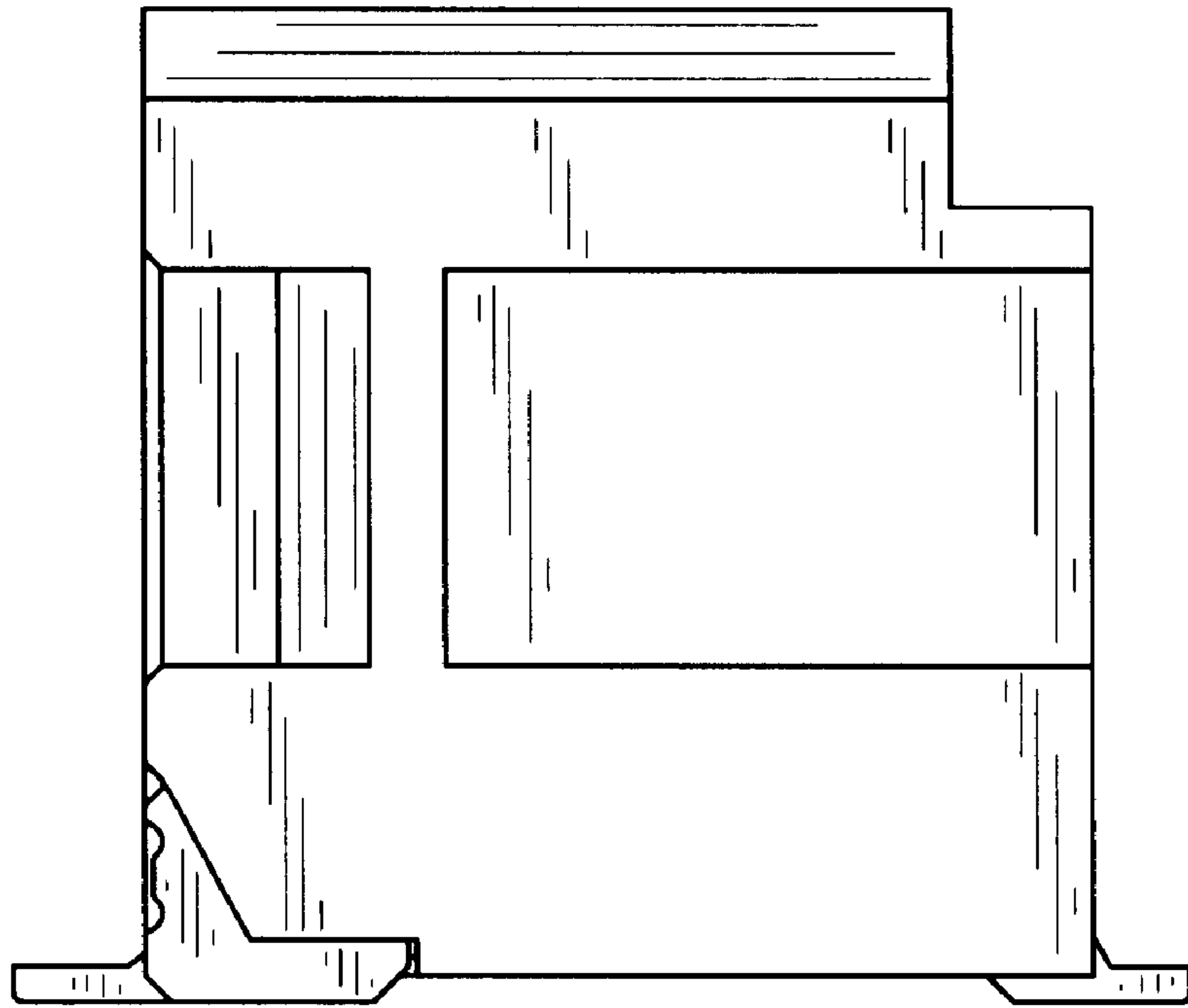


Fig.7

