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

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(54) **ELECTRIC CONNECTOR**

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(73) Assignee: **Japan Aviation Electronics Industry, Limited, Tokyo (JP)**

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

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

(21) Appl. No.: **29/119,794**

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(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** **13-03**

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

(58) **Field of Search** D13/146, 147; 439/357, 360, 329, 422, 492-499, 660

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,960,436 A	*	6/1976	Zebisch	.....	439/660
D293,432 S	*	12/1987	Masuda	.....	D13/147
D323,484 S	*	1/1992	Takayanagi	.....	D13/147
5,241,135 A	*	8/1993	Fetzer	.....	174/88 R
D376,582 S	*	12/1996	Mitani et al.	.....	D13/147
5,800,204 A	*	9/1998	Niitsu	.....	439/495
6,015,310 A	*	1/2000	Tojo	.....	439/260
6,066,000 A	*	5/2000	Masumoto et al.	.....	439/607

D429,219 S	*	8/2000	Chiou	.....	D13/147
6,099,346 A	*	8/2000	Hashiguchi et al.	439/495
6,146,171 A	*	11/2000	Kunishi et al.	439/260

* cited by examiner

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(57) **CLAIM**

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

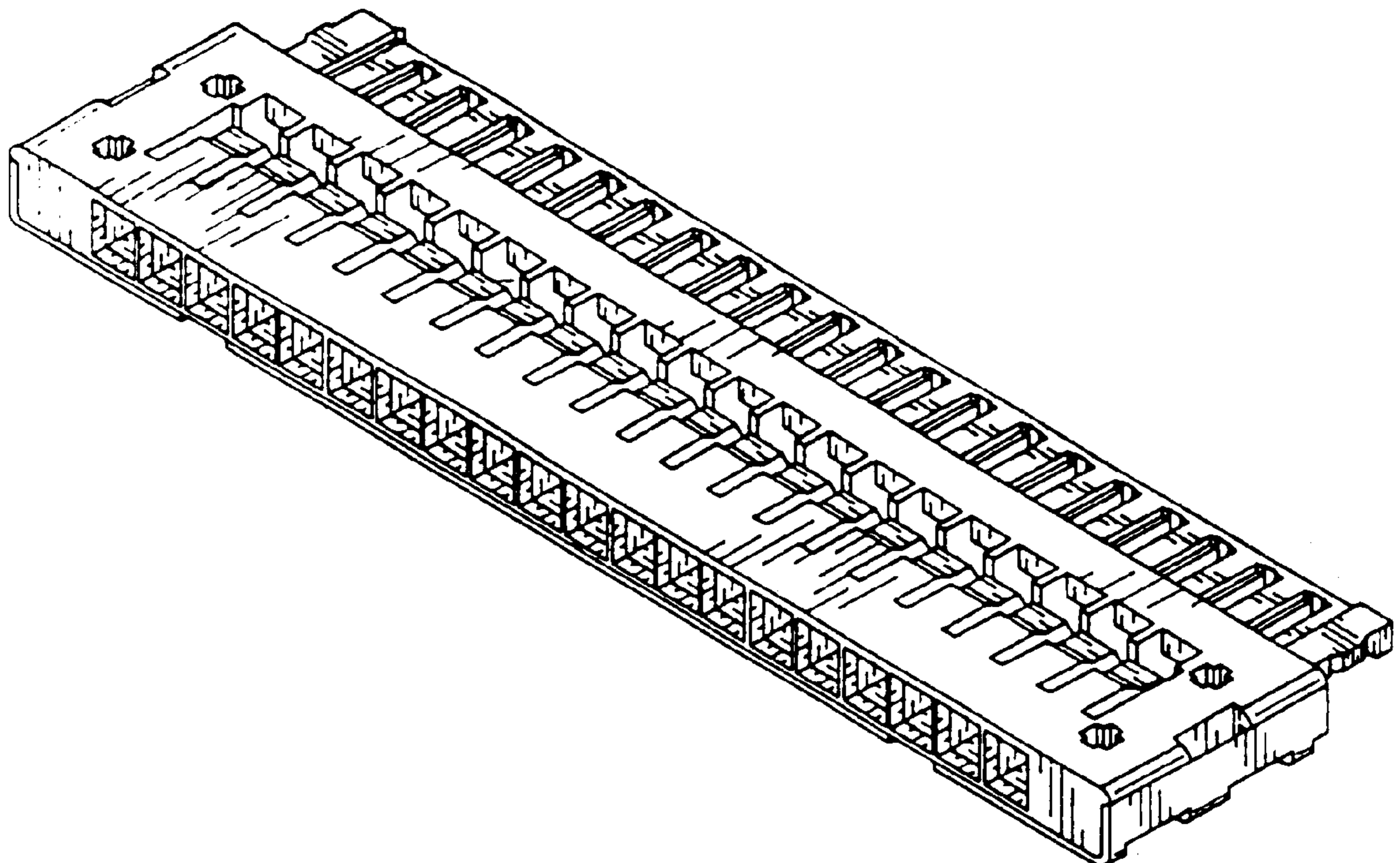
DESCRIPTION

FIG. 1 is a front elevational view of an electric connector; FIG. 2 is a rear elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a cross-sectional view thereof along the line 4—4 of FIG. 1; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a perspective view of the front and right side thereof; and, FIG. 8 is a perspective view illustrating a state in use thereof wherein the electric connector is coupled with a wire-harness.

The broken line showing of the wiring harness in FIG. 8 is included for the purpose of illustrating environmental structure only and forms no part of the claimed design.

A left side elevation view of the electric connector is omitted because it is presented symmetrical to the right side elevational view of FIG. 3.

1 Claim, 3 Drawing Sheets



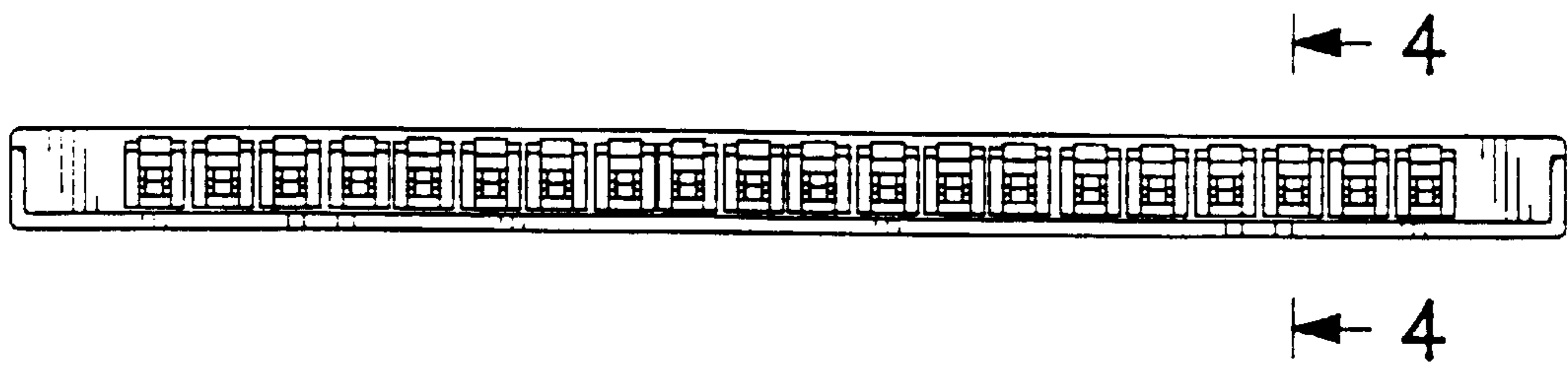


FIG. 1



FIG. 2



FIG. 3



FIG. 4

FIG. 5

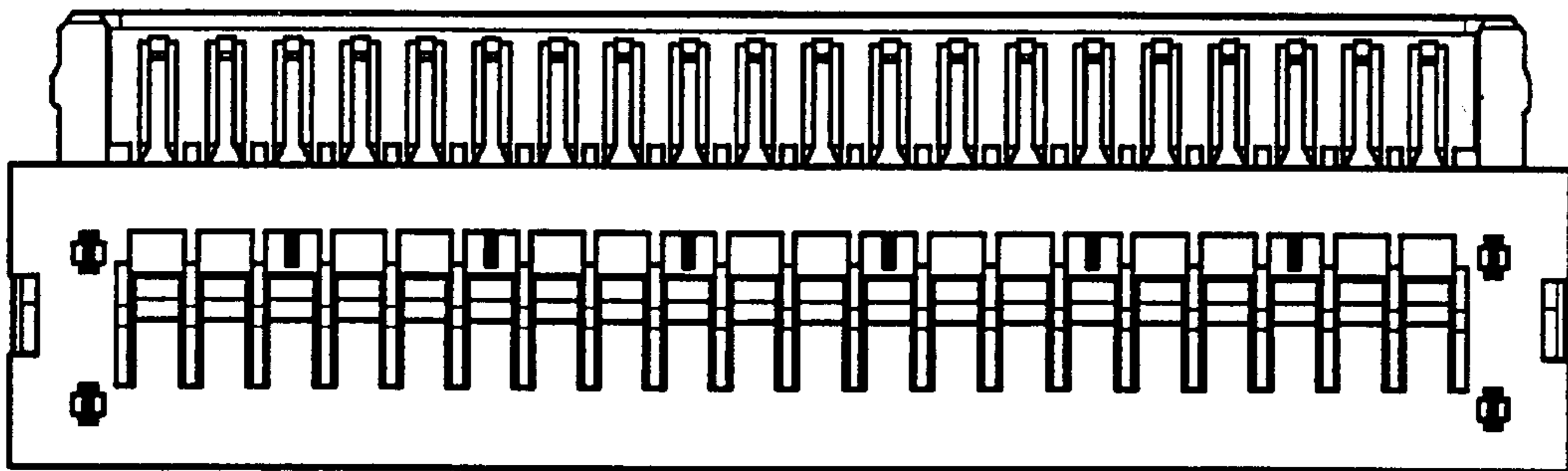
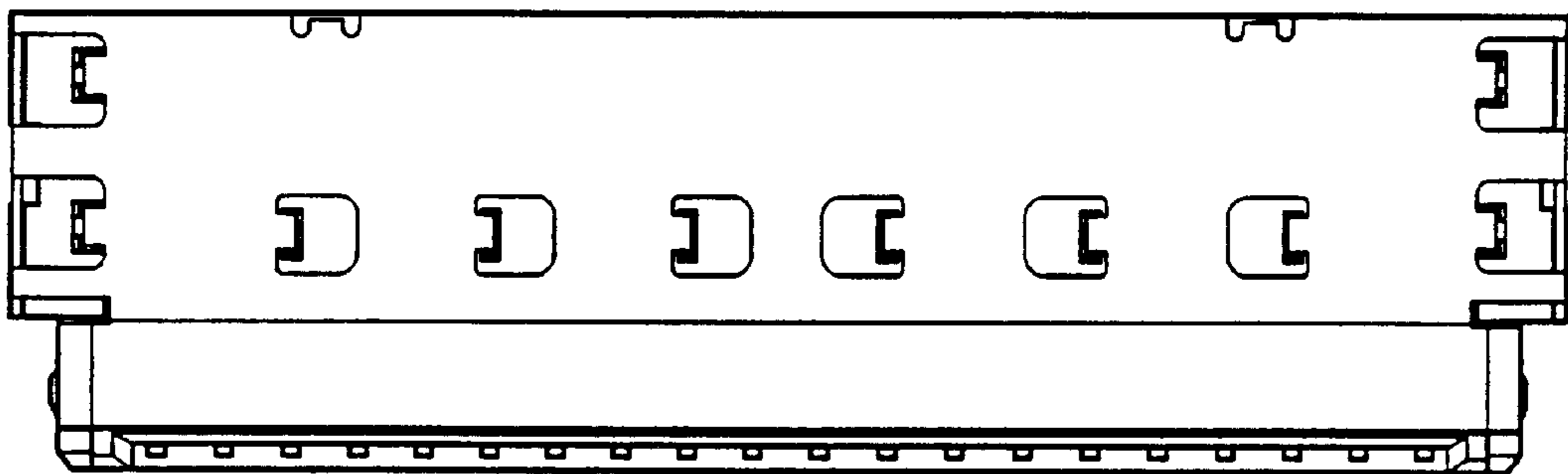


FIG. 6



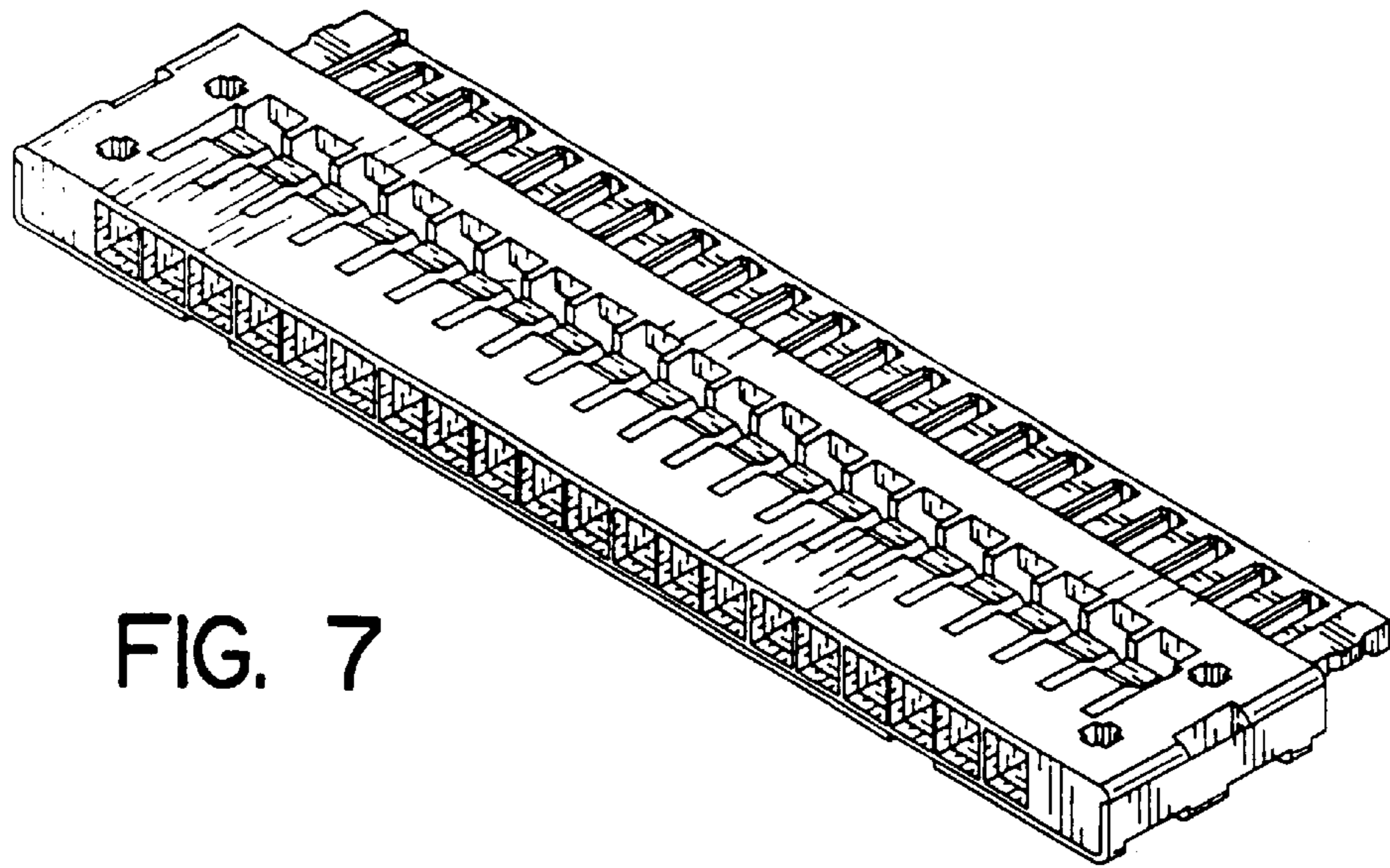


FIG. 7

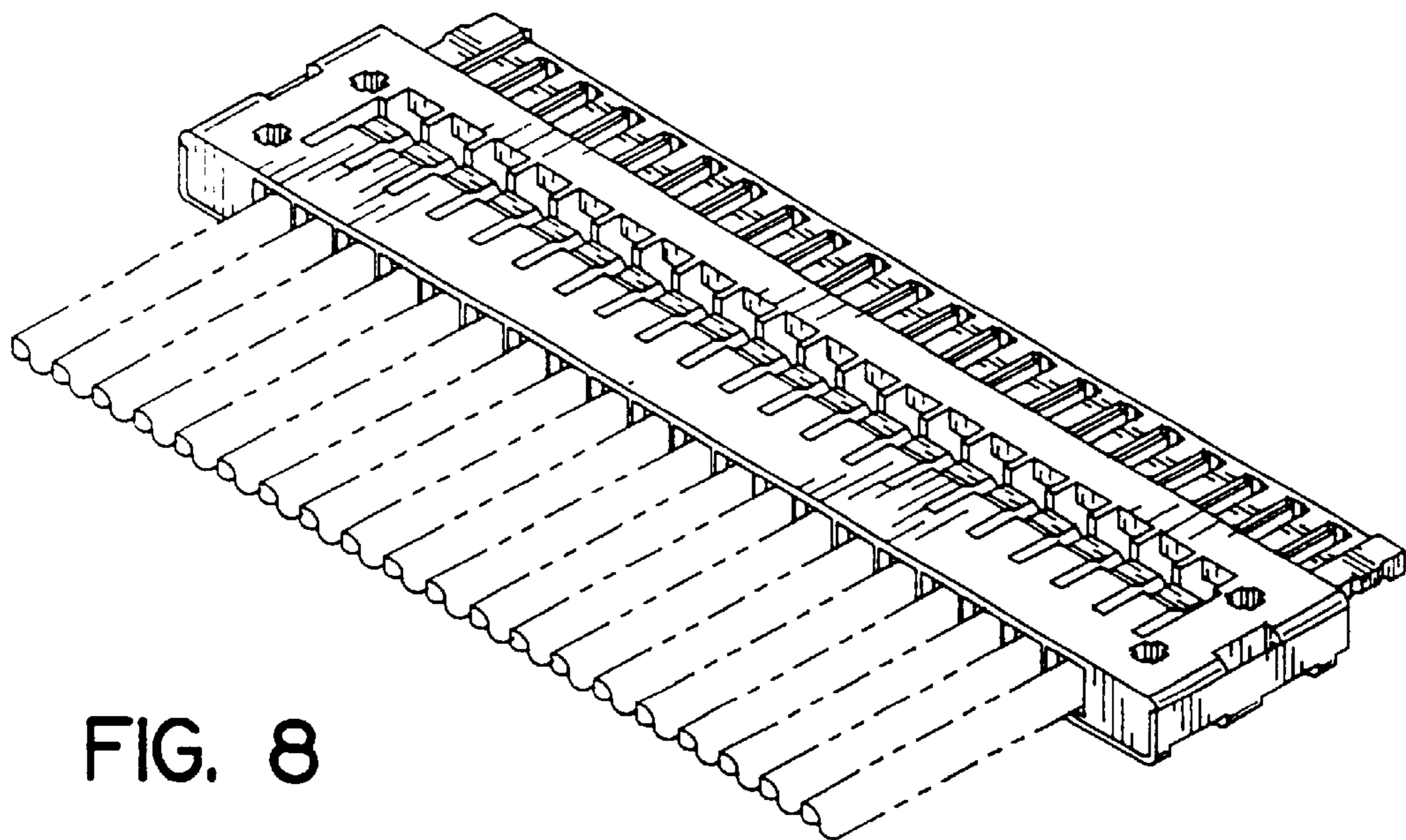


FIG. 8