



US00D451884B1

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

(10) **Patent No.:** **US D451,884 S**

(45) **Date of Patent:** **** Dec. 11, 2001**

(54) **ELECTRICAL CONNECTOR**

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

(21) Appl. No.: **29/126,785**

(22) Filed: **Jul. 24, 2000**

(30) **Foreign Application Priority Data**

Jan. 28, 2000 (JP) 12-007321

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

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

(58) **Field of Search** D13/146, 147;
439/74, 83, 63, 637, 607, 660

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,277,597 * 1/1994 Masami et al. 439/607 X
- 5,904,581 * 5/1999 Pope et al. 439/74
- 5,915,976 * 6/1999 McHugh 439/74

- 5,919,063 * 7/1999 Wang 439/608
- 5,921,787 * 7/1999 Pope et al. 439/74
- 5,961,347 * 10/1999 Hsu 439/83 X
- 6,135,781 * 10/2000 Pope et al. 439/59
- 6,179,632 * 1/2001 Wu et al. 439/83

* cited by examiner

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(57) **CLAIM**

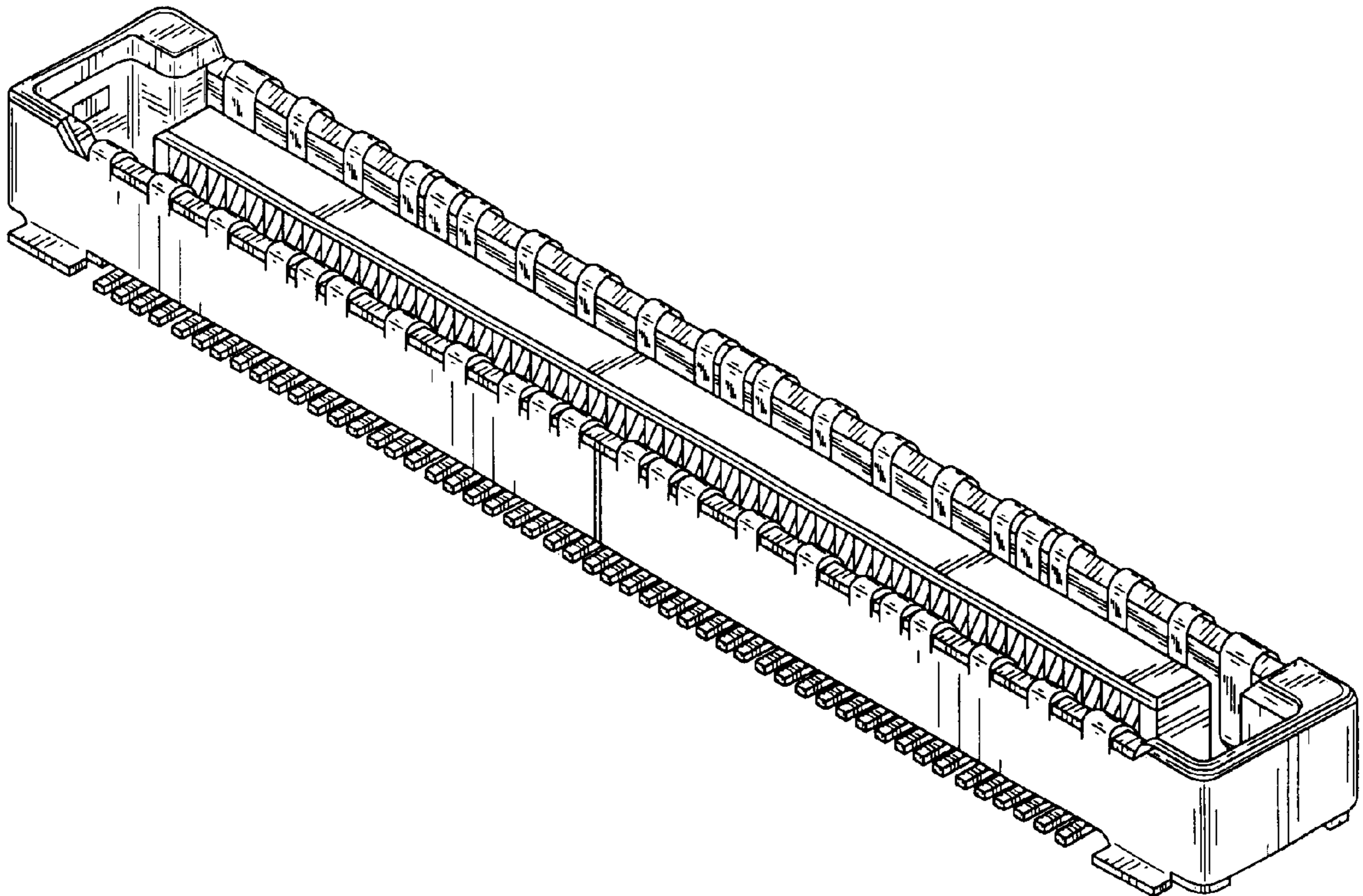
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of an electrical connector; FIG. 2 is a front elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a bottom plan view thereof; and, FIG. 6 is a perspective view of the front and right side thereof.

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

1 Claim, 2 Drawing Sheets



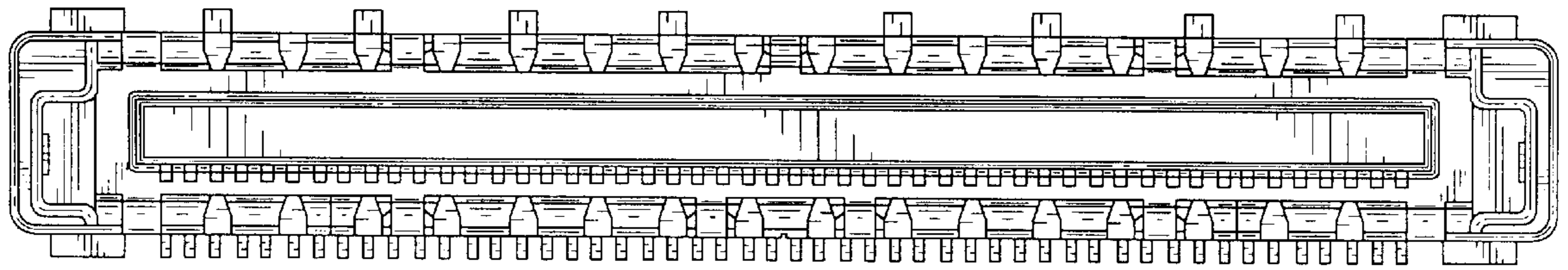


FIG. 1

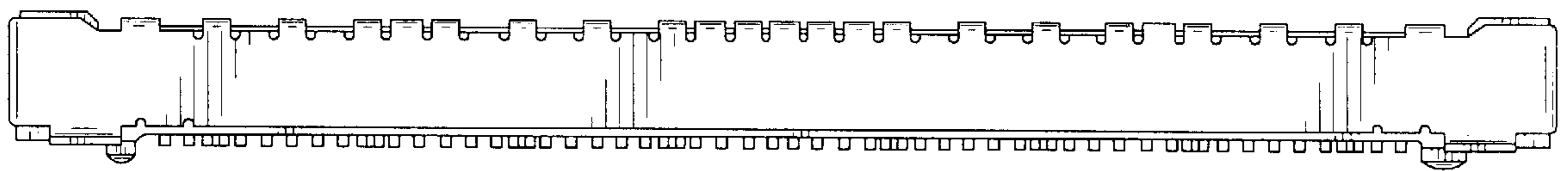


FIG. 2

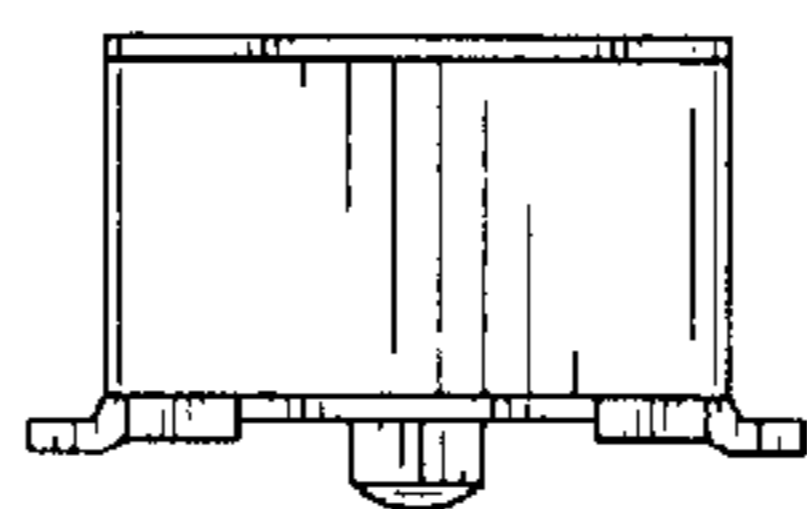


FIG. 3

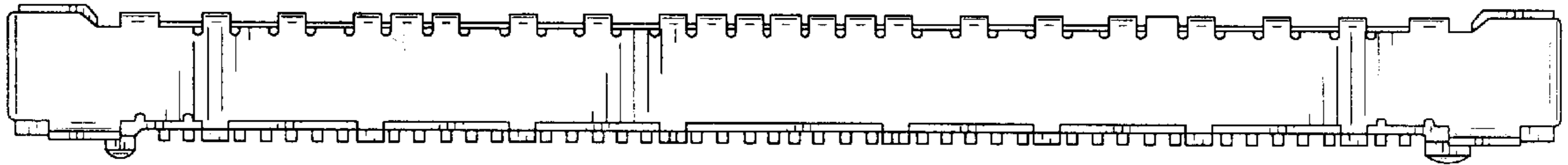


FIG. 4

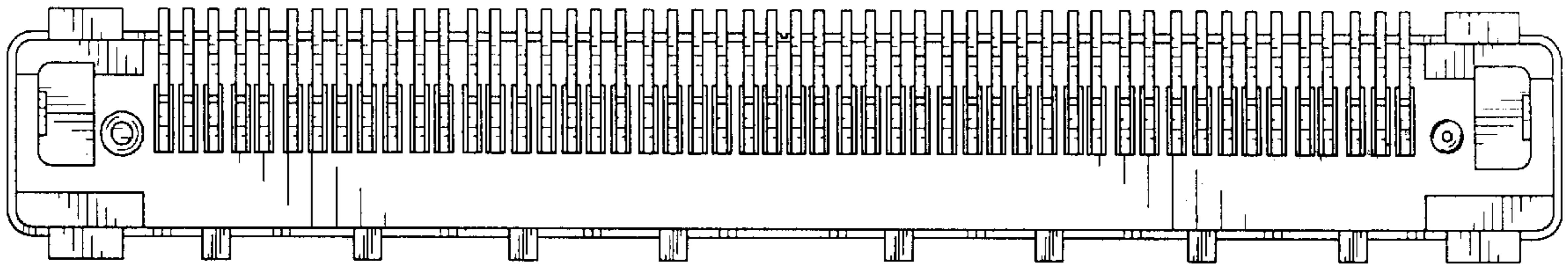


FIG. 5

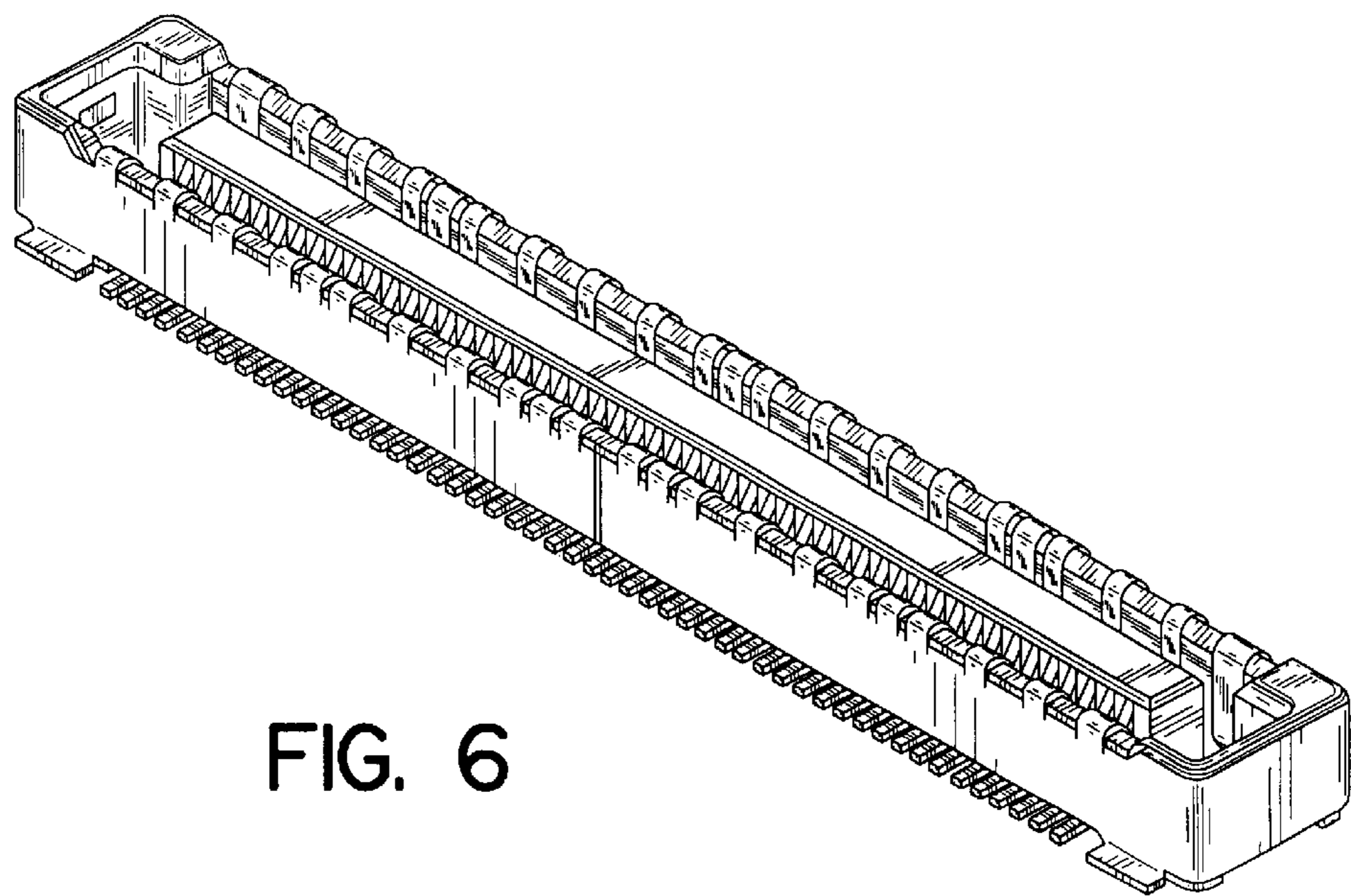


FIG. 6