



US00D471872S

(12) **United States Design Patent**
Kawase

(10) **Patent No.:** **US D471,872 S**

(45) **Date of Patent:** **** Mar. 18, 2003**

(54) **ELECTRICAL CONNECTOR**

(75) **Inventor:** **Koji Kawase, Hachioji (JP)**

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

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

(21) **Appl. No.:** **29/159,449**

(22) **Filed:** **Apr. 22, 2002**

(30) **Foreign Application Priority Data**

Oct. 26, 2001 (JP) 2001-035453

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

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

(58) **Field of Search** D13/147; 439/181,
439/495, 637, 74, 83, 910

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,697,799 A * 12/1997 Consoli et al. 439/181
- 5,718,592 A * 2/1998 Hosler, Sr. et al. 439/83 X
- 5,813,871 A * 9/1998 Grabbe et al. 439/108
- 5,836,773 A * 11/1998 McHugh et al. 439/74
- 5,885,092 A * 3/1999 Ito et al. 439/74
- D411,172 S * 6/1999 Wu D13/147
- 5,961,347 A * 10/1999 Hsu 439/83 X
- D419,960 S * 2/2000 Wu D13/147

- D420,981 S * 2/2000 Wu D13/147
- D451,884 S * 12/2001 Hisatomi et al. D13/147
- 6,338,630 B1 * 1/2002 Dong 439/74

* cited by examiner

Primary Examiner—Joel Sincavage

(74) *Attorney, Agent, or Firm*—Michael Best & Friedrich LLC

(57) **CLAIM**

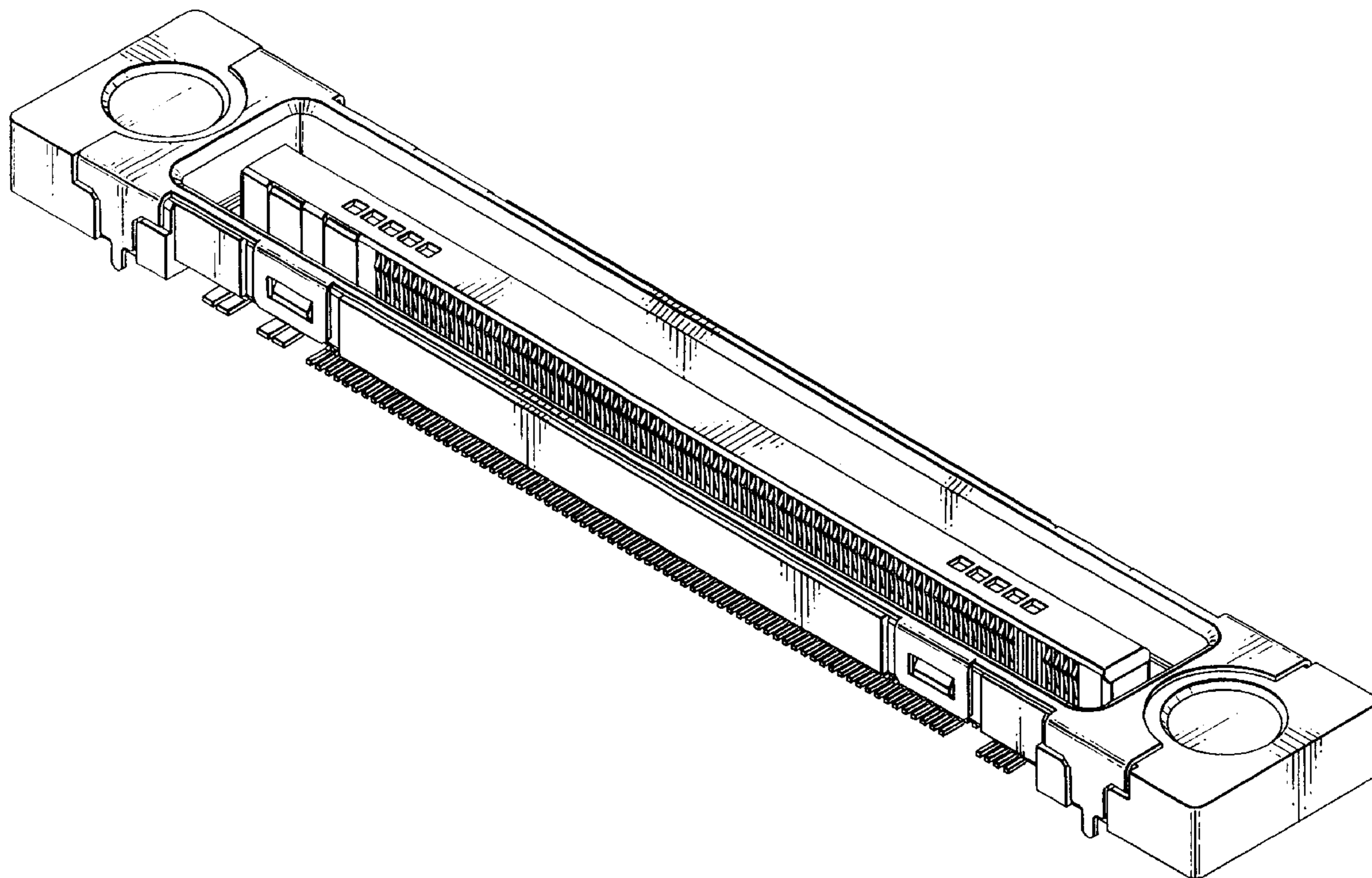
The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector; FIG. 2 is a rear elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is an enlarged cross-sectional view thereof along the line 4—4 of FIG. 1; FIG. 5 is an enlarged cross-sectional view thereof along the line 5—5 of FIG. 1; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; and, FIG. 8 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, 6 Drawing Sheets



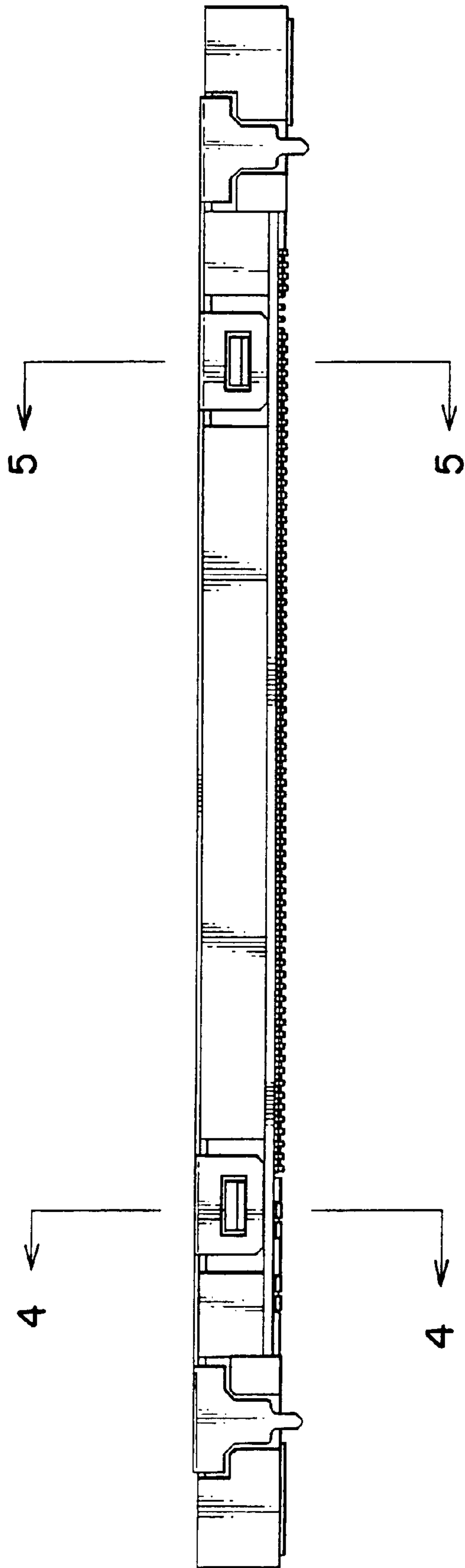


FIG. 1

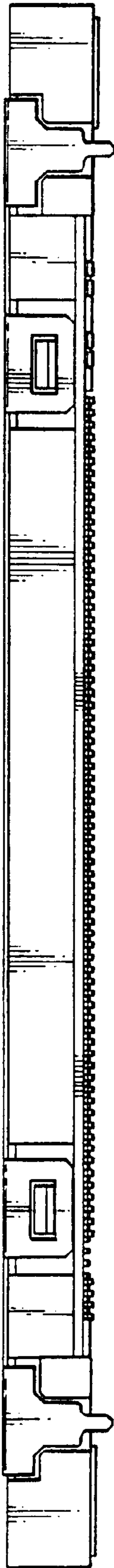


FIG. 2



FIG. 3

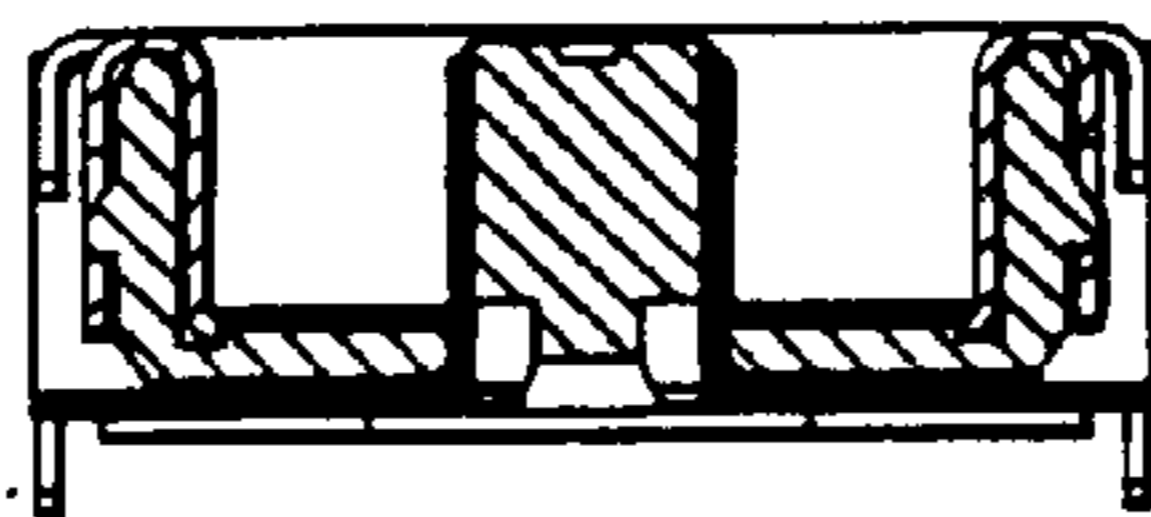


FIG. 4

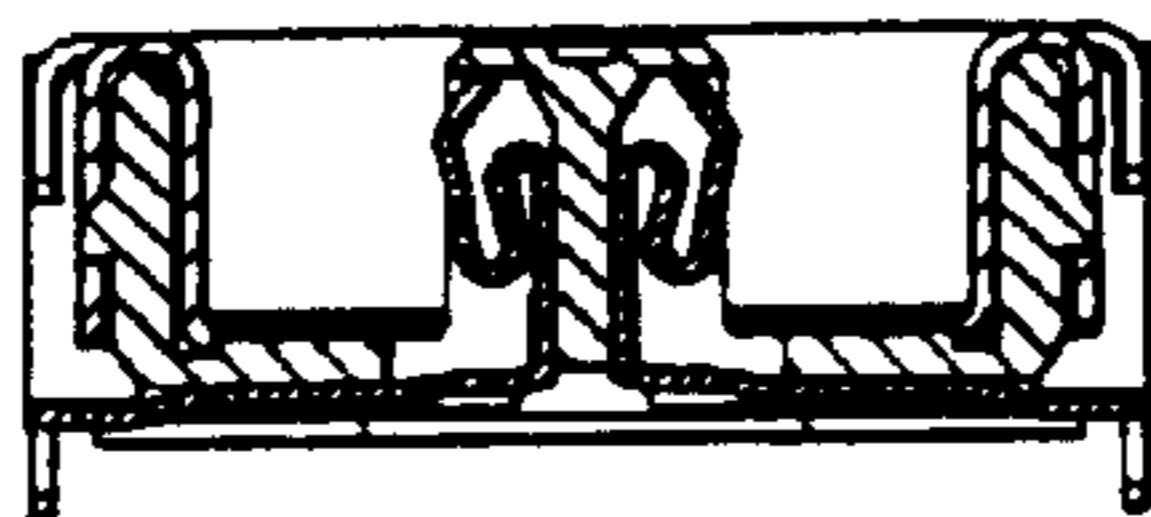


FIG. 5

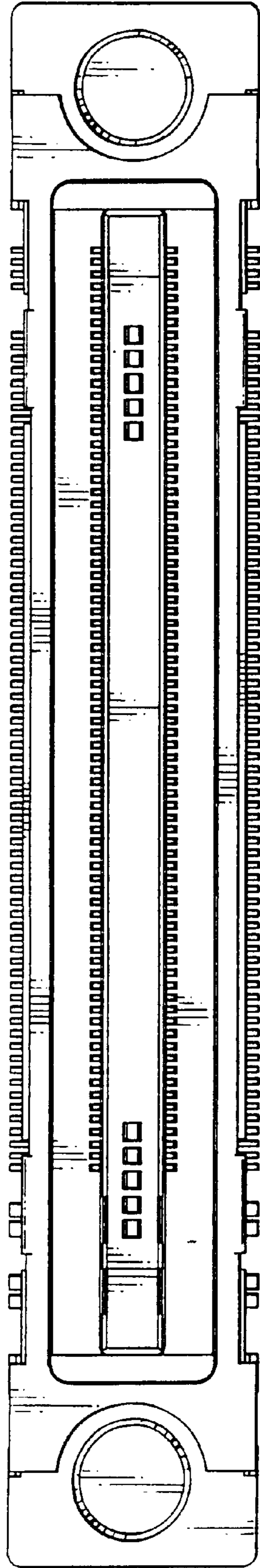


FIG. 6



FIG. 7

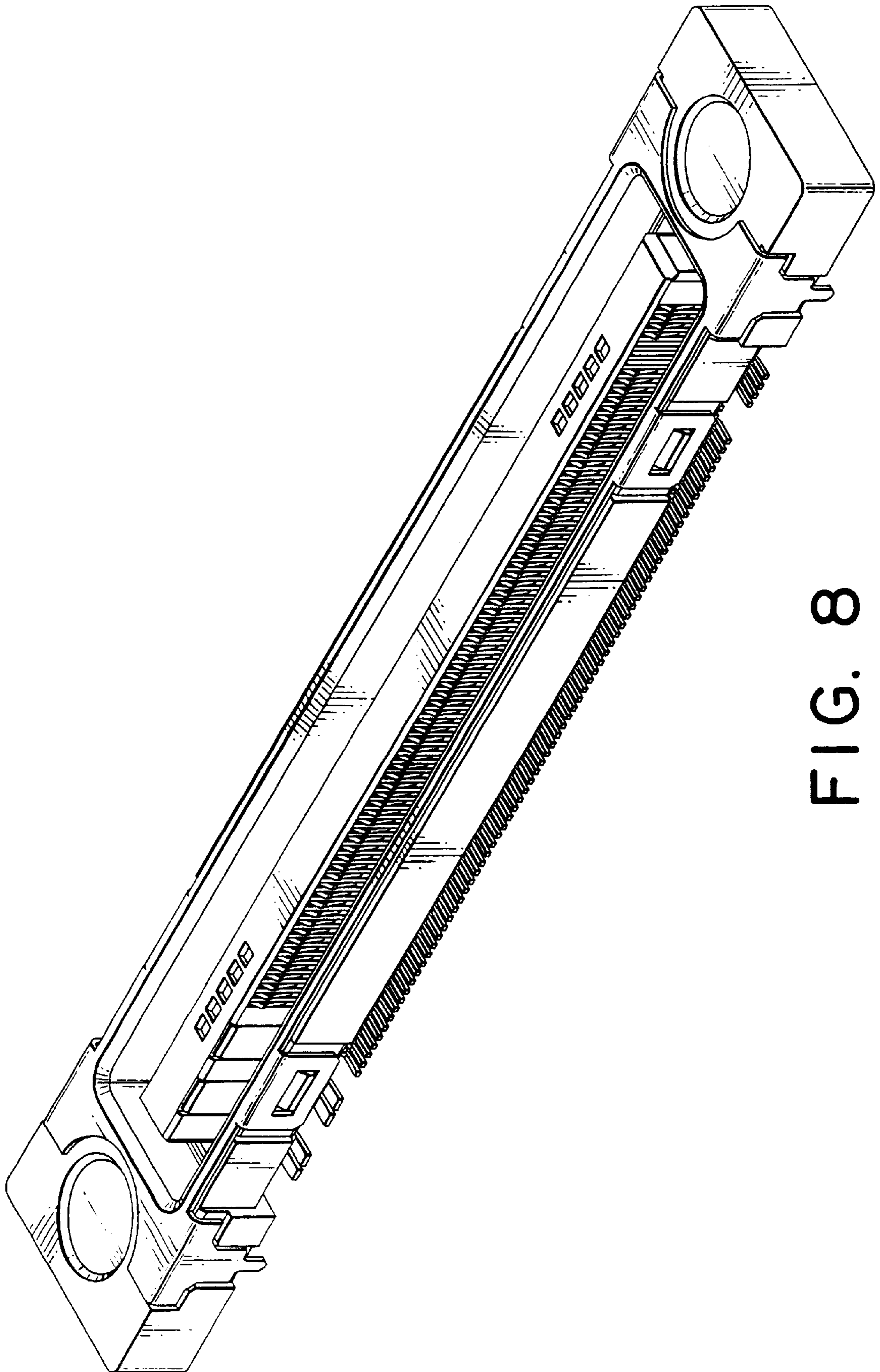


FIG. 8