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

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(45) **Date of Patent:** **\*\* Mar. 13, 2007**

(54) **ELECTRICAL CONNECTOR**

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Kanagawa-Ken (JP)

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

(21) Appl. No.: **29/244,836**

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Jun. 17, 2005 (JP) ..... 2005-017689

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

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

(58) **Field of Classification Search** ..... D13/123,  
D13/133, 146-147, 154, 184, 199; 439/79,  
439/108, 278, 374, 377, 540.1, 541.5, 660,  
439/607-610, 682, 884, 894

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D314,752 S \* 2/1991 Maejima et al. .... D13/147  
D314,755 S \* 2/1991 Endo et al. .... D13/147  
D315,331 S \* 3/1991 Yamamoto ..... D13/146  
D410,895 S \* 6/1999 Bandura et al. .... D13/147  
D439,885 S \* 4/2001 Ushio ..... D13/147  
D452,845 S \* 1/2002 Hiramoto et al. .... D13/147

D464,321 S \* 10/2002 Chen ..... D13/147  
D501,827 S \* 2/2005 Konno et al. .... D13/147  
D514,521 S \* 2/2006 Riku ..... D13/147  
D520,454 S \* 5/2006 Riku ..... D13/147

**FOREIGN PATENT DOCUMENTS**

JP 1259612 11/2005  
JP 1259613 11/2005  
JP 1259614 11/2005

\* cited by examiner

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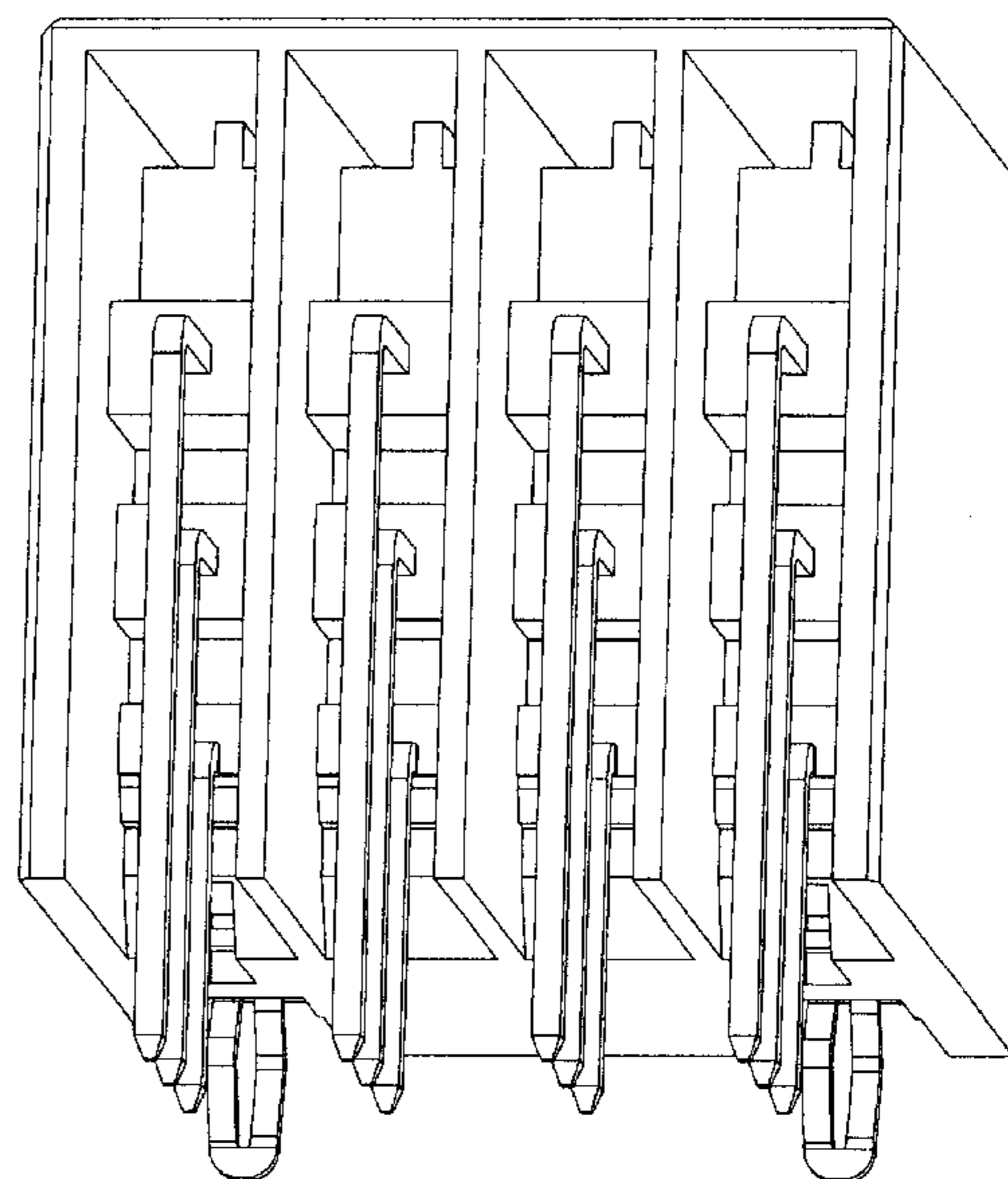
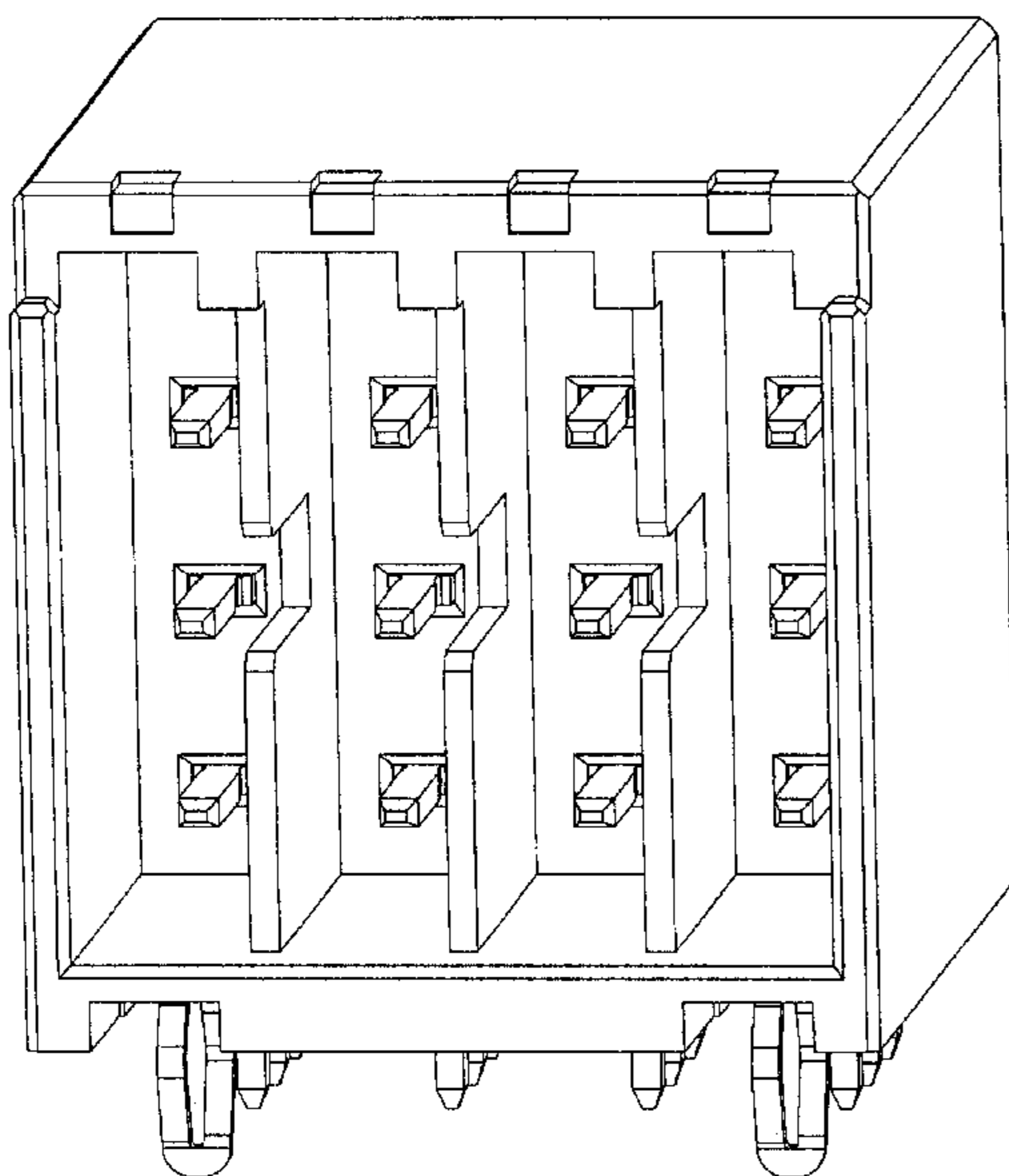
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevation view of an electrical connector, showing my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a right side elevation view thereof;  
FIG. 5 is a left side elevation view thereof;  
FIG. 6 is a rear elevation view thereof;  
FIG. 7 is a top, front and right side perspective view thereof; and,  
FIG. 8 is a bottom, rear and left side perspective view thereof.

**1 Claim, 8 Drawing Sheets**



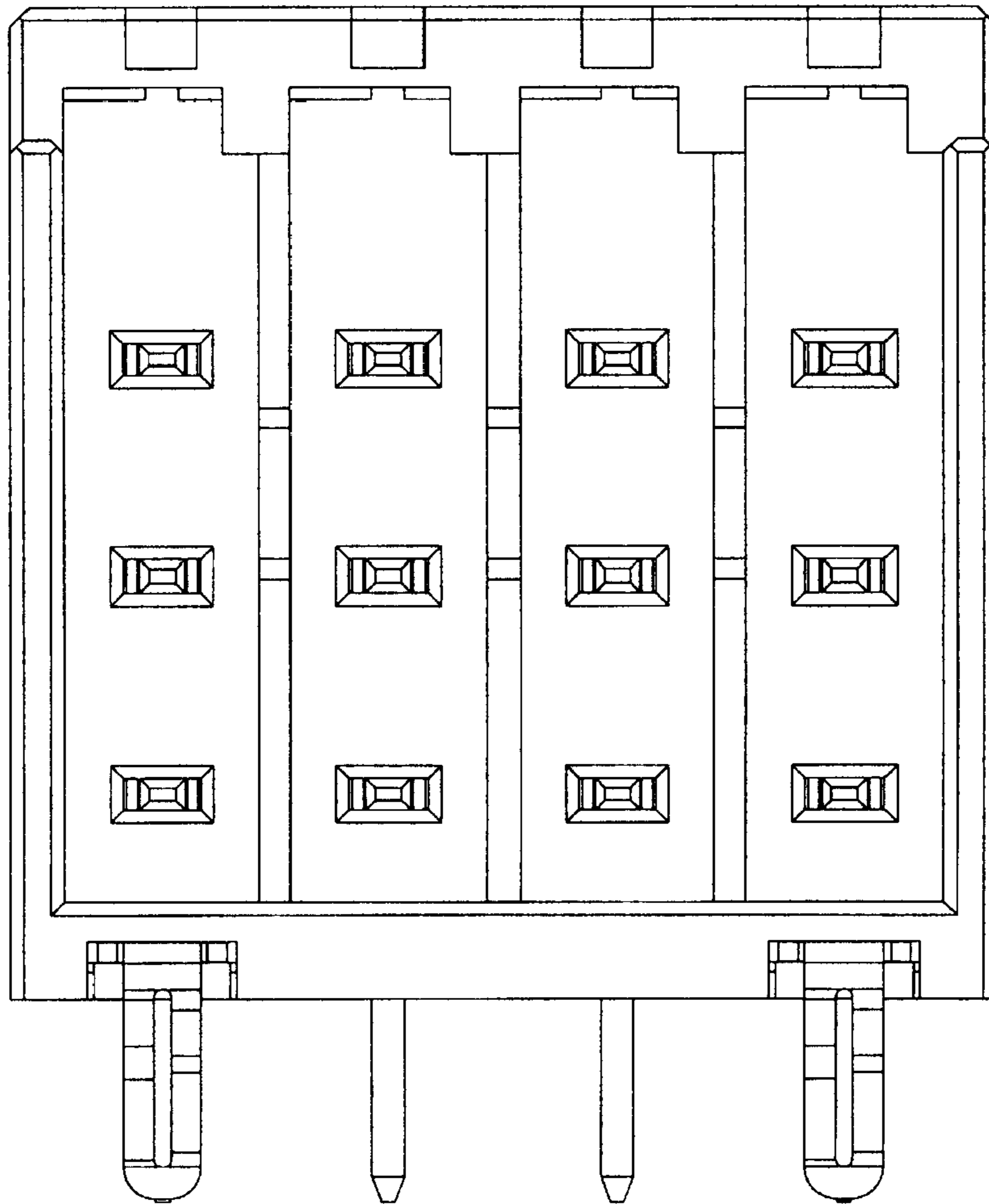


FIG.1

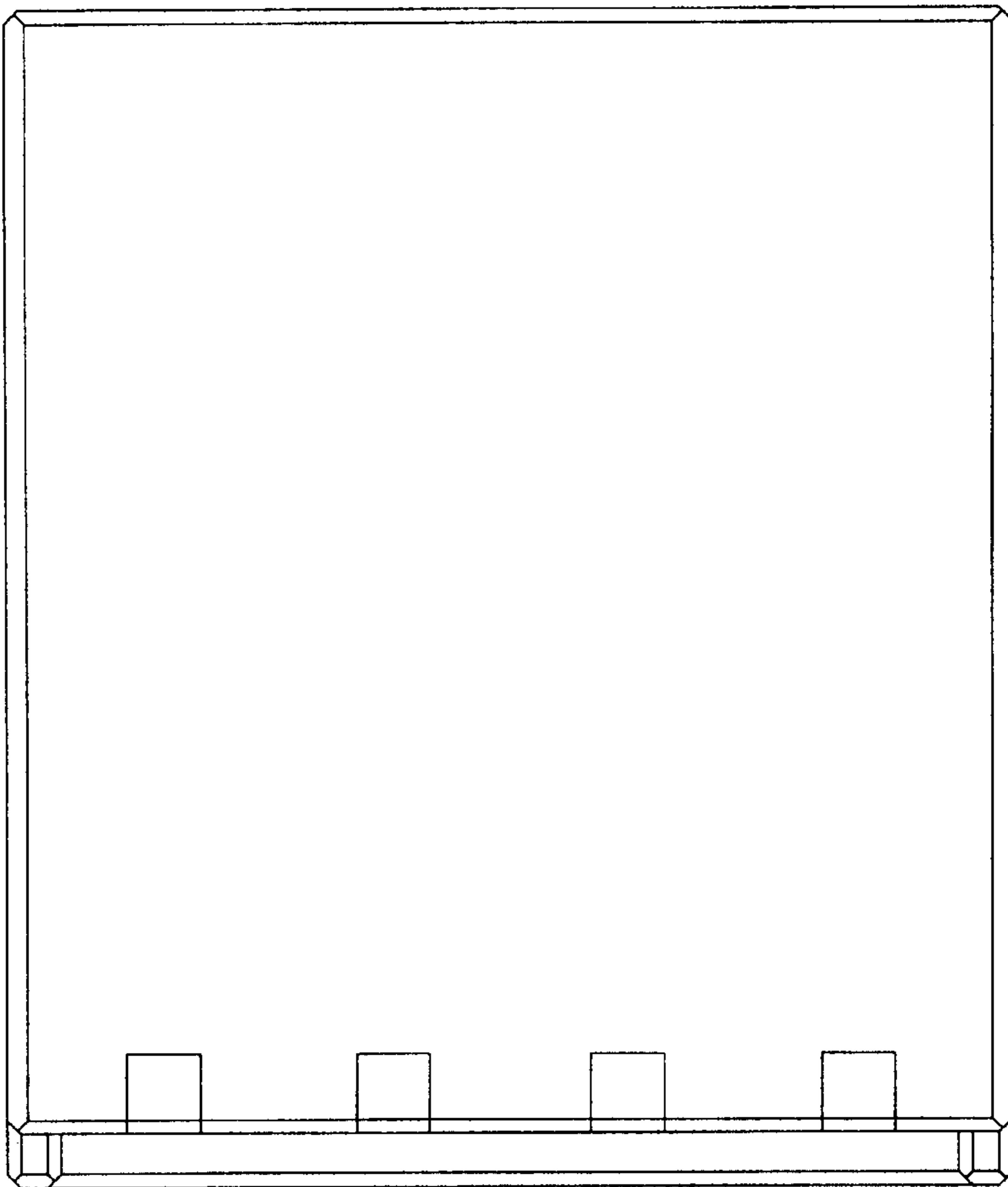


FIG.2

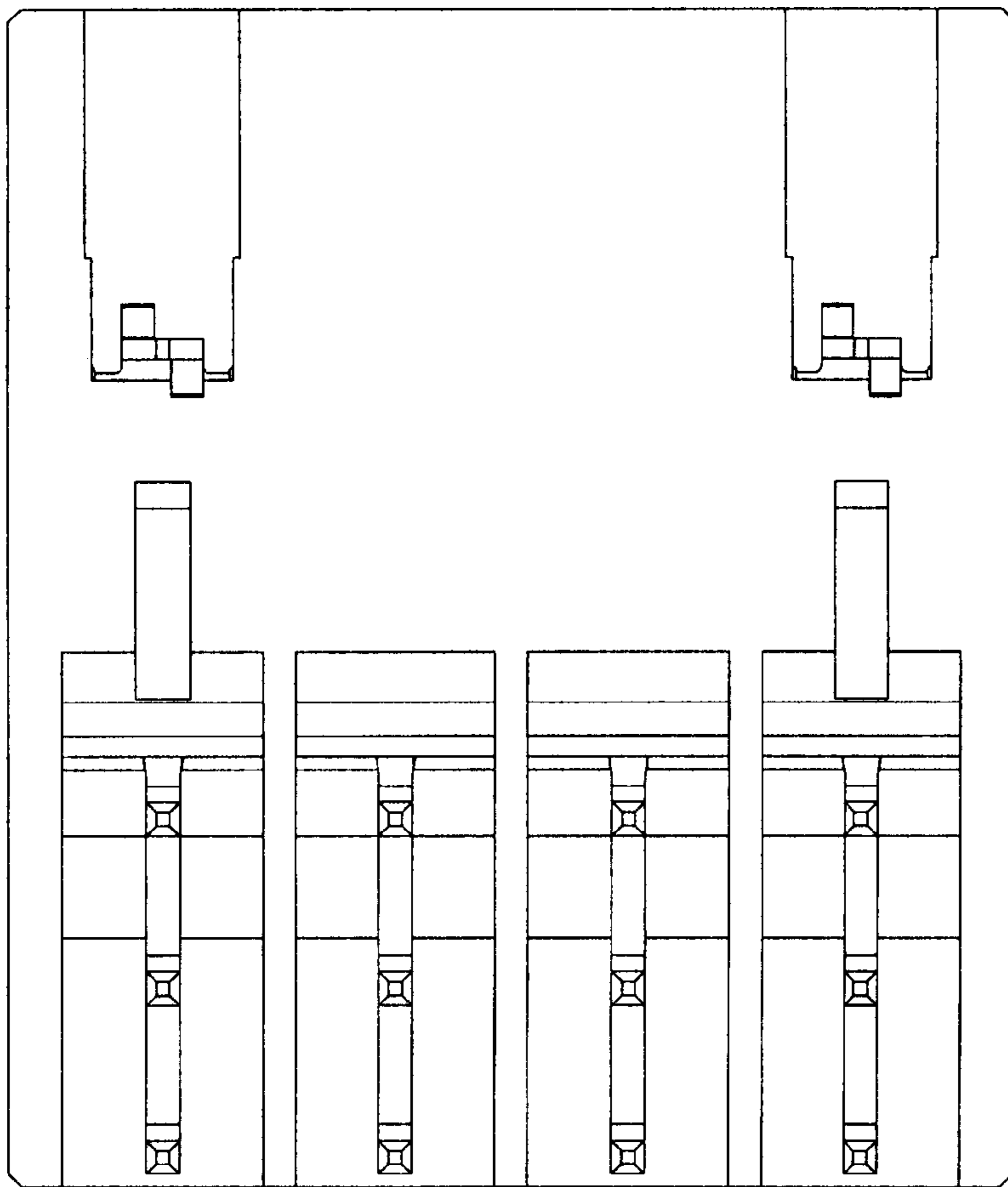


FIG.3

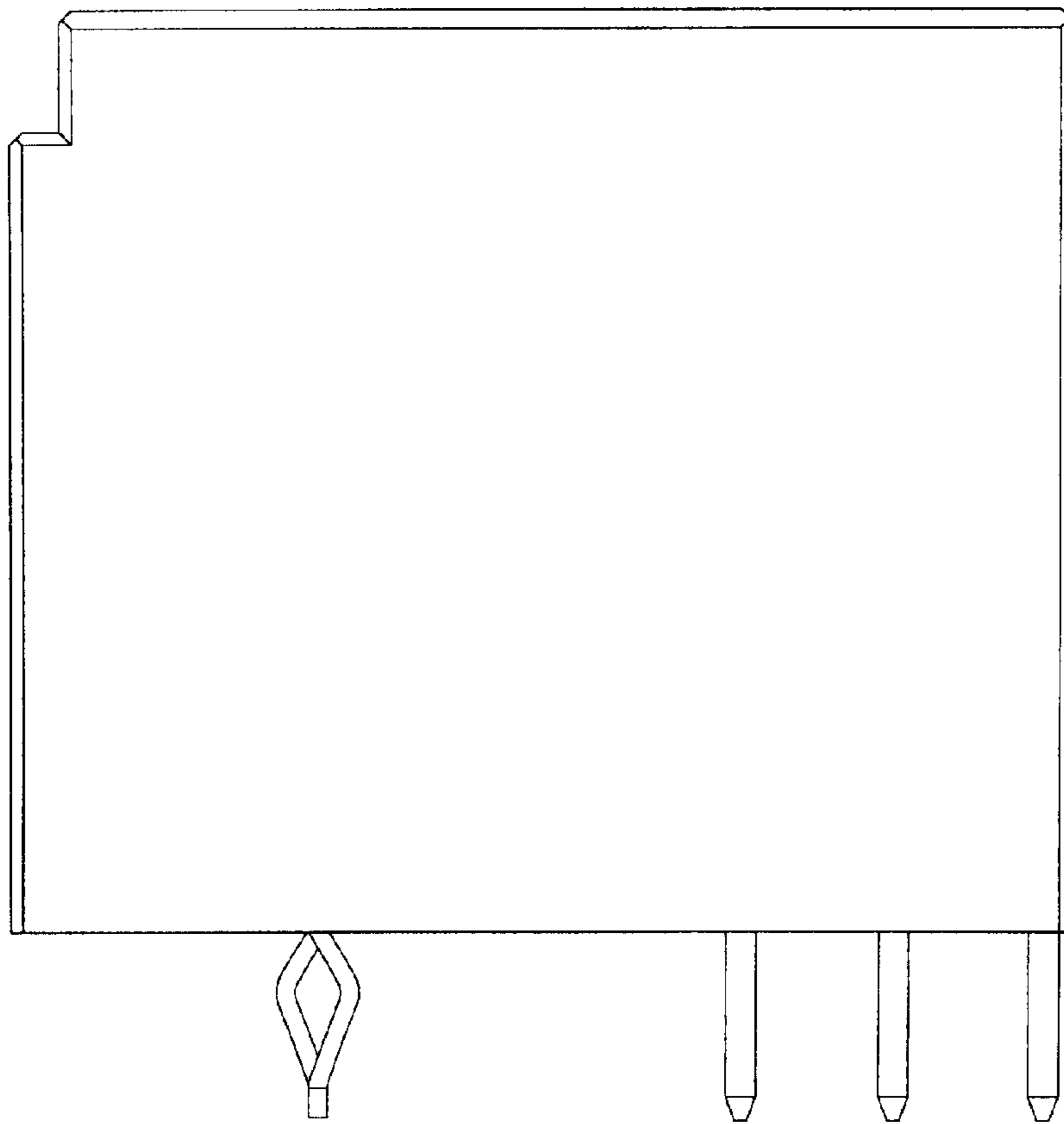


FIG.4

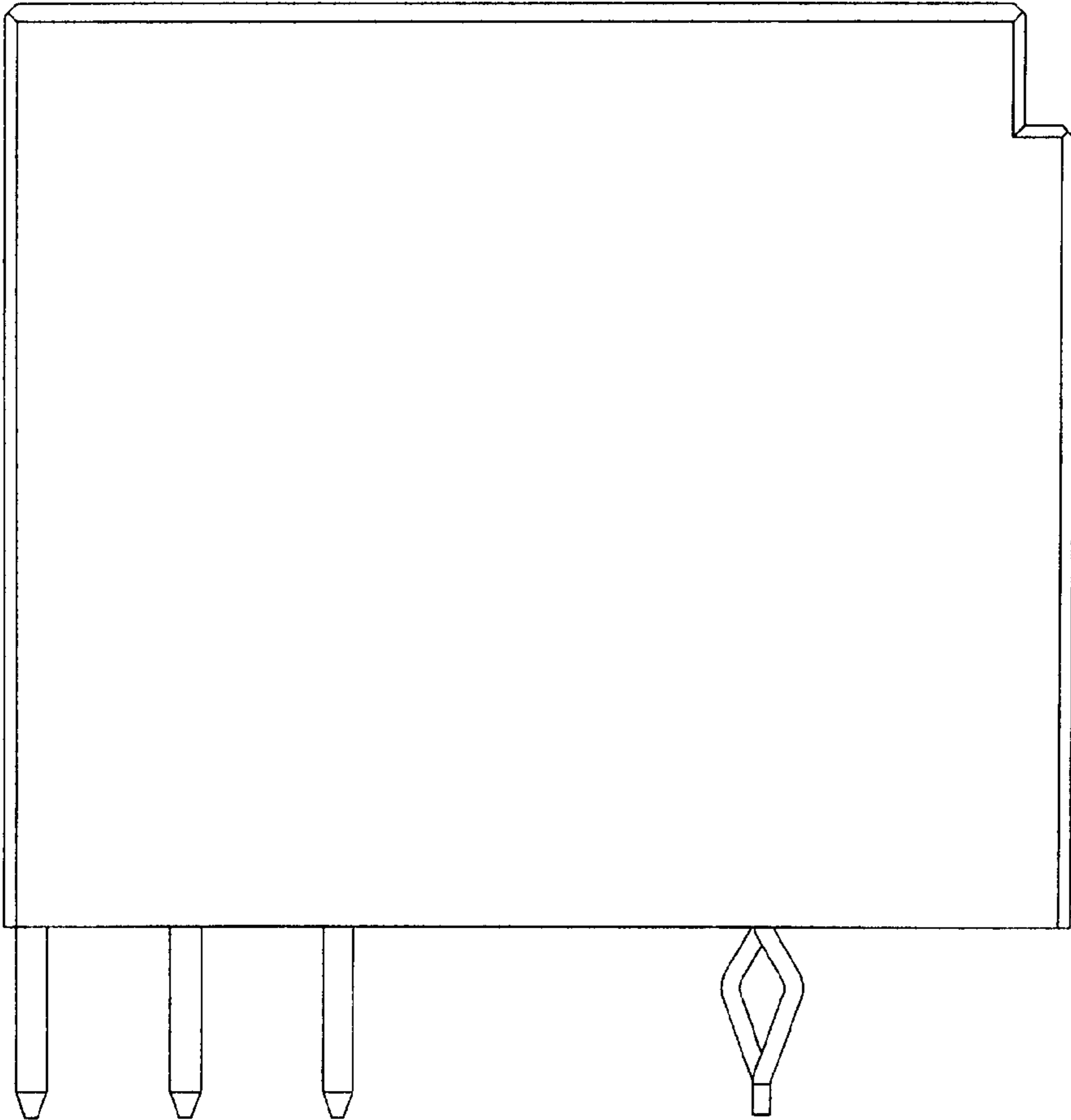


FIG.5

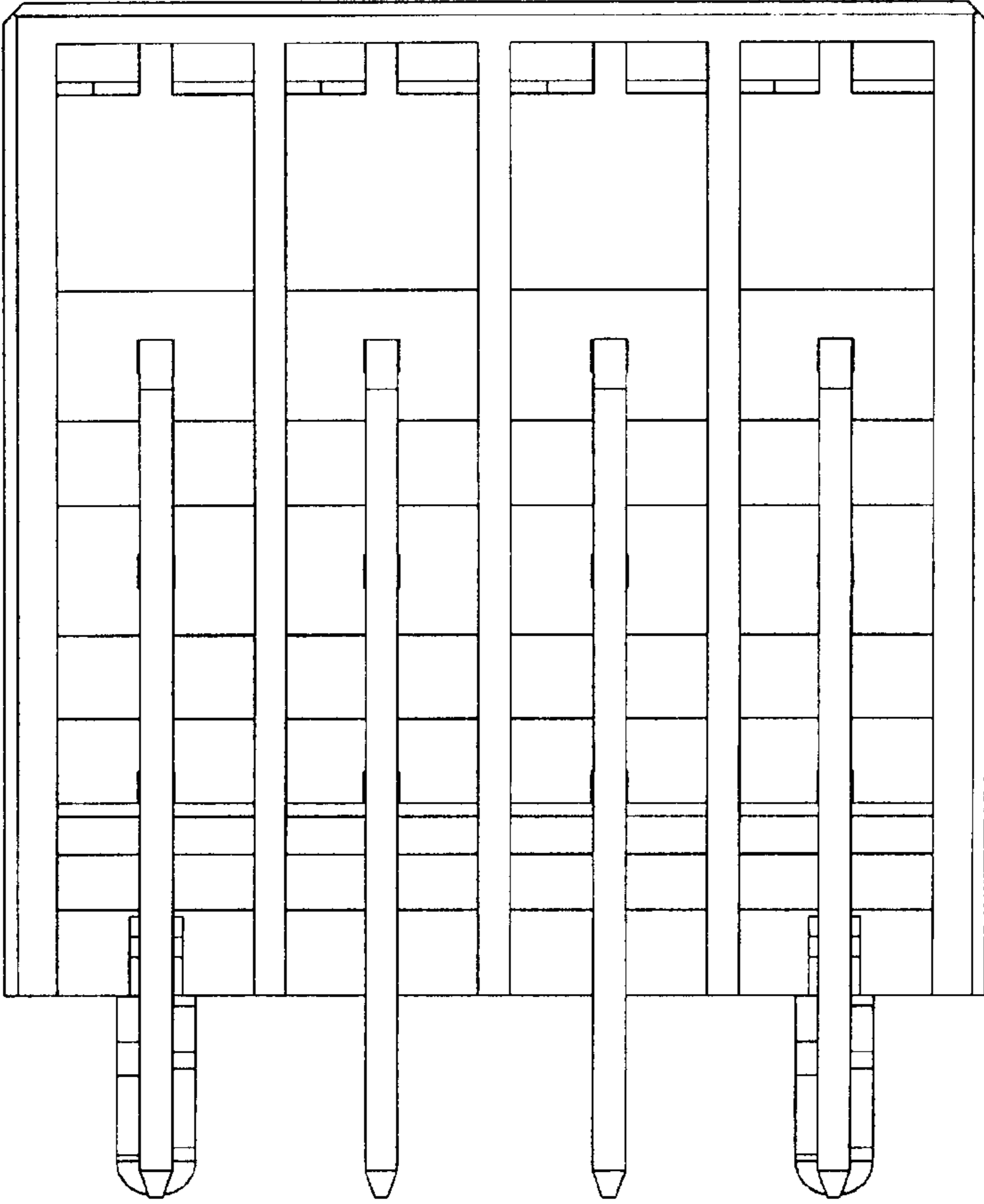


FIG.6

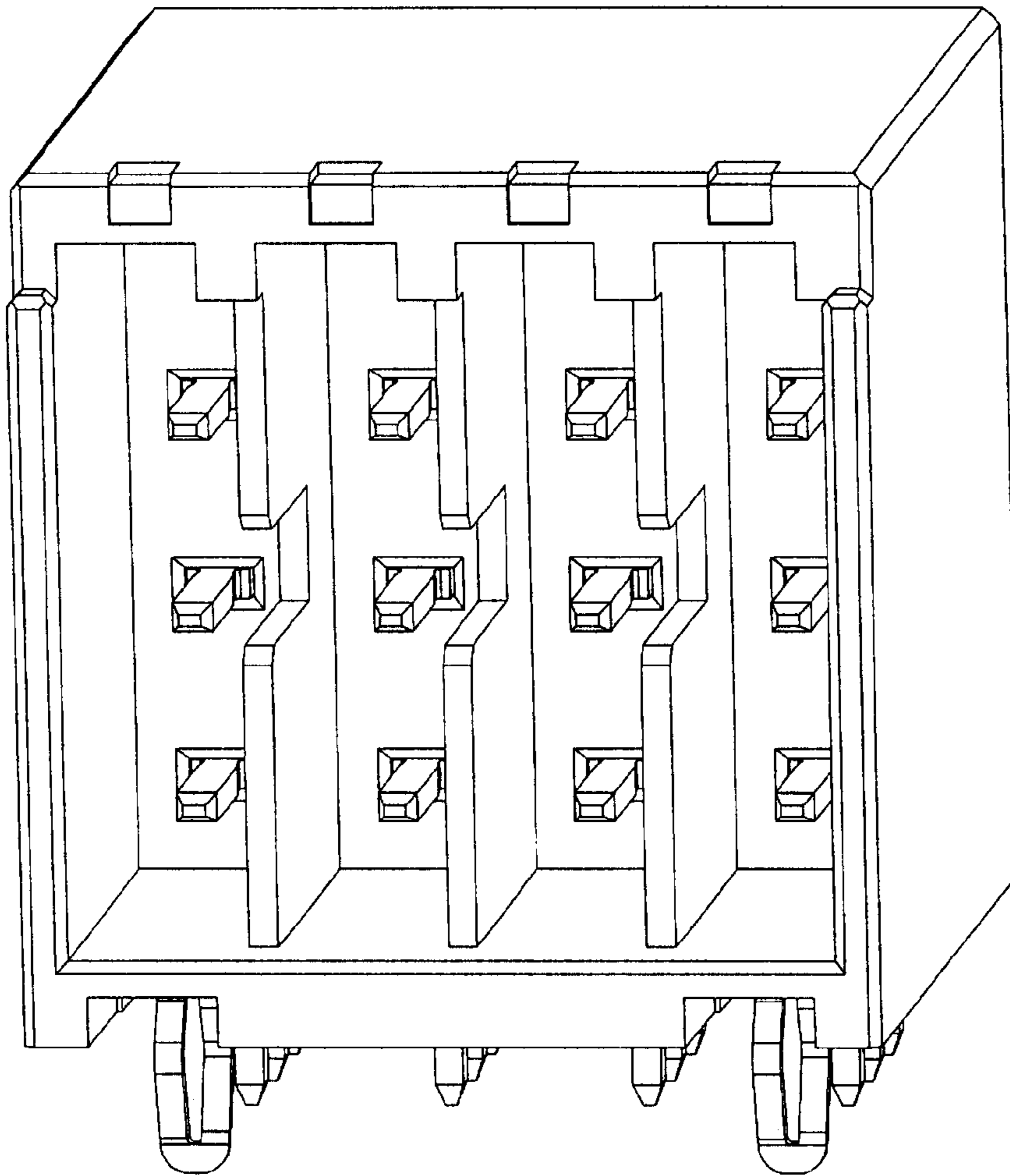


FIG.7



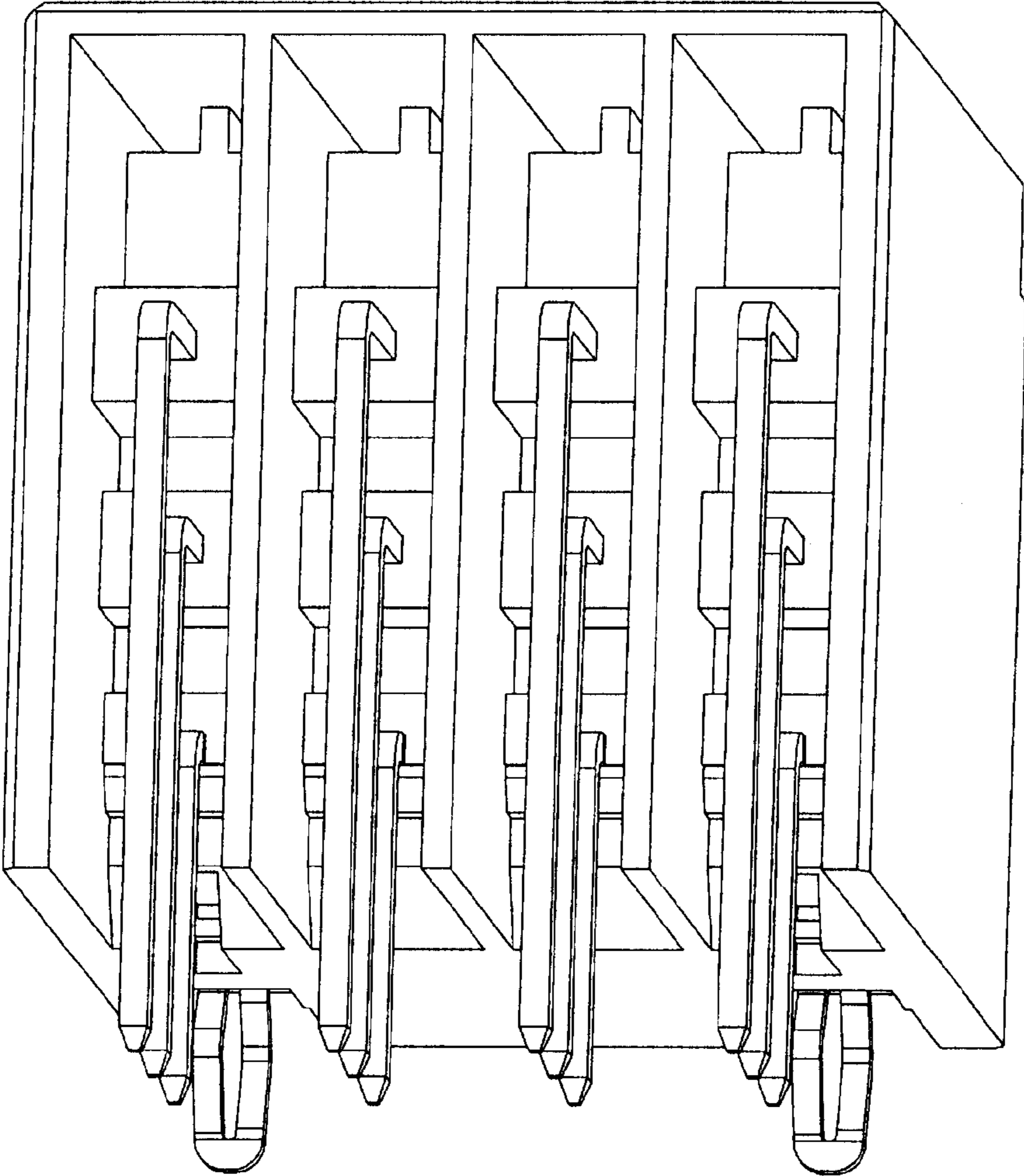


FIG.8