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

(10) **Patent No.:** **US D651,981 S**  
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(54) **VERTICAL ELECTRICAL CONNECTOR**

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

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**Related U.S. Application Data**

(63) Continuation of application No. 29/380,052, filed on  
Nov. 30, 2010, now Pat. No. Des. 641,709, which is a  
continuation of application No. 29/345,790, filed on  
Dec. 22, 2009, now Pat. No. Des. 628,536, which is a  
continuation of application No. 29/330,997, filed on  
Jan. 16, 2009, now Pat. No. Des. 606,497.

(57) **CLAIM**

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

(51) **LOC (9) Cl.** ..... **13-03**

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

(58) **Field of Classification Search** ..... D13/146–147,  
D13/154, 156, 184; 439/159–160, 260, 325,  
439/329, 395, 492, 495, 607.01, 607.04,  
439/607.05, 607.17, 607.25, 607.34, 607.41,  
439/607.53, 630

**DESCRIPTION**

See application file for complete search history.

This application is related by subject matter to U.S. Provi-  
sional patent application Ser. No. 12/687,237, filed Jan. 15,  
2010, now U.S. Pat. No. 20100184339, and is further related  
by subject matter to U.S. patent application Nos. 29/331,013  
filed on Jan. 16, 2009, now U.S. Pat. No. D608,293; 29/331,  
017 filed on Jan. 16, 2009, now U.S. Pat. No. D610,548; and  
29/330,990 filed on Jan. 16, 2009, now U.S. Pat. No. D606,  
496, and is further related by subject matter to U.S. patent  
application Ser. No. 29/345,798, filed on Oct. 22, 2009, now  
U.S. Pat. No. D623,138 and U.S. patent application No.  
29/345,808, filed Oct. 22, 2009, now U.S. Pat. No. D631,422.  
FIG. 1 is a top, left, rear perspective view of a vertical elec-  
trical connector according to my design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a front elevation view thereof;  
FIG. 6 is a left side elevation view thereof; and,  
FIG. 7 is a right side elevation view thereof.  
The broken line portion of the figure drawings is included to  
show unclaimed subject matter only and forms no part of the  
claimed design.

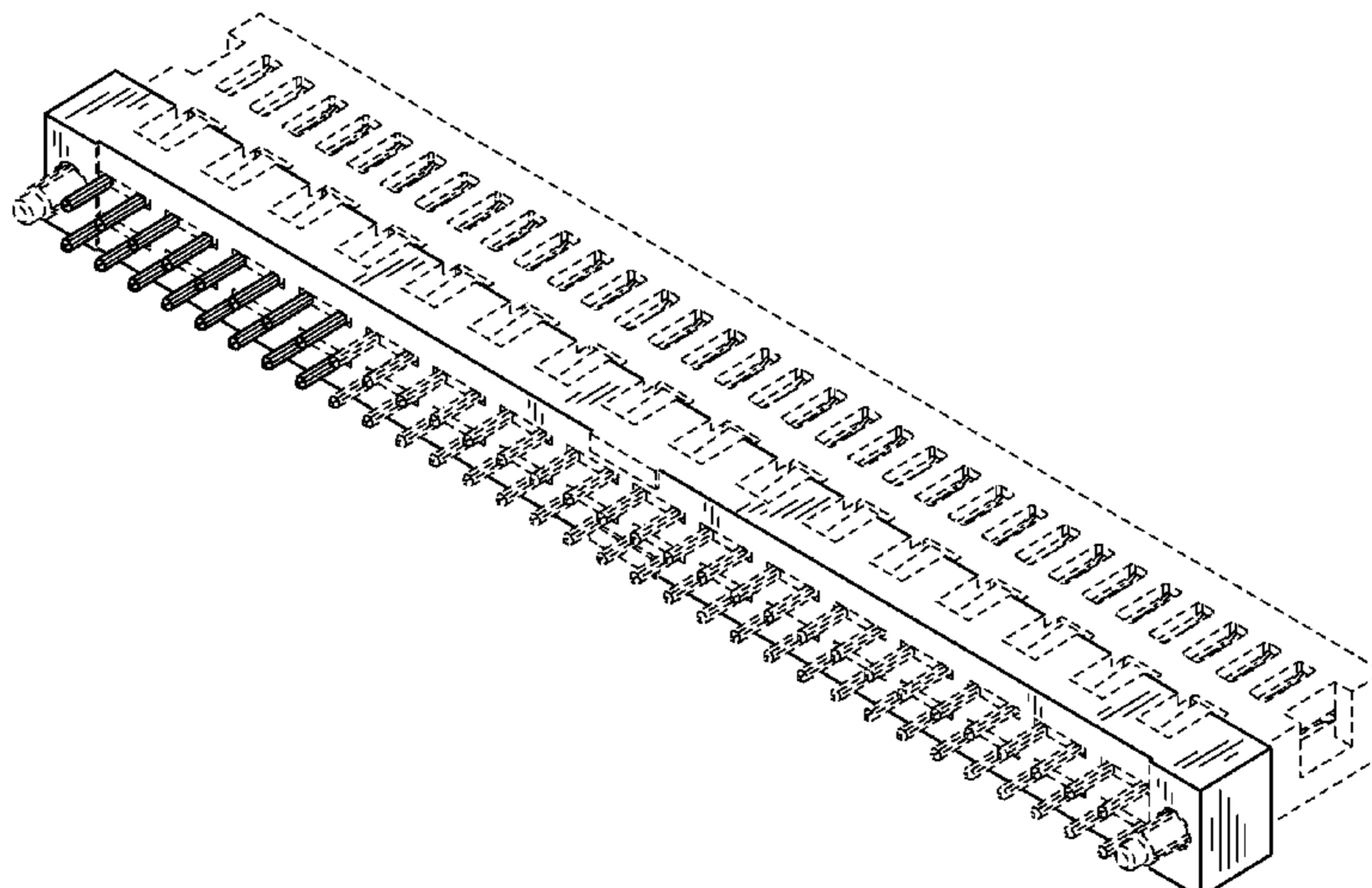
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**1 Claim, 4 Drawing Sheets**



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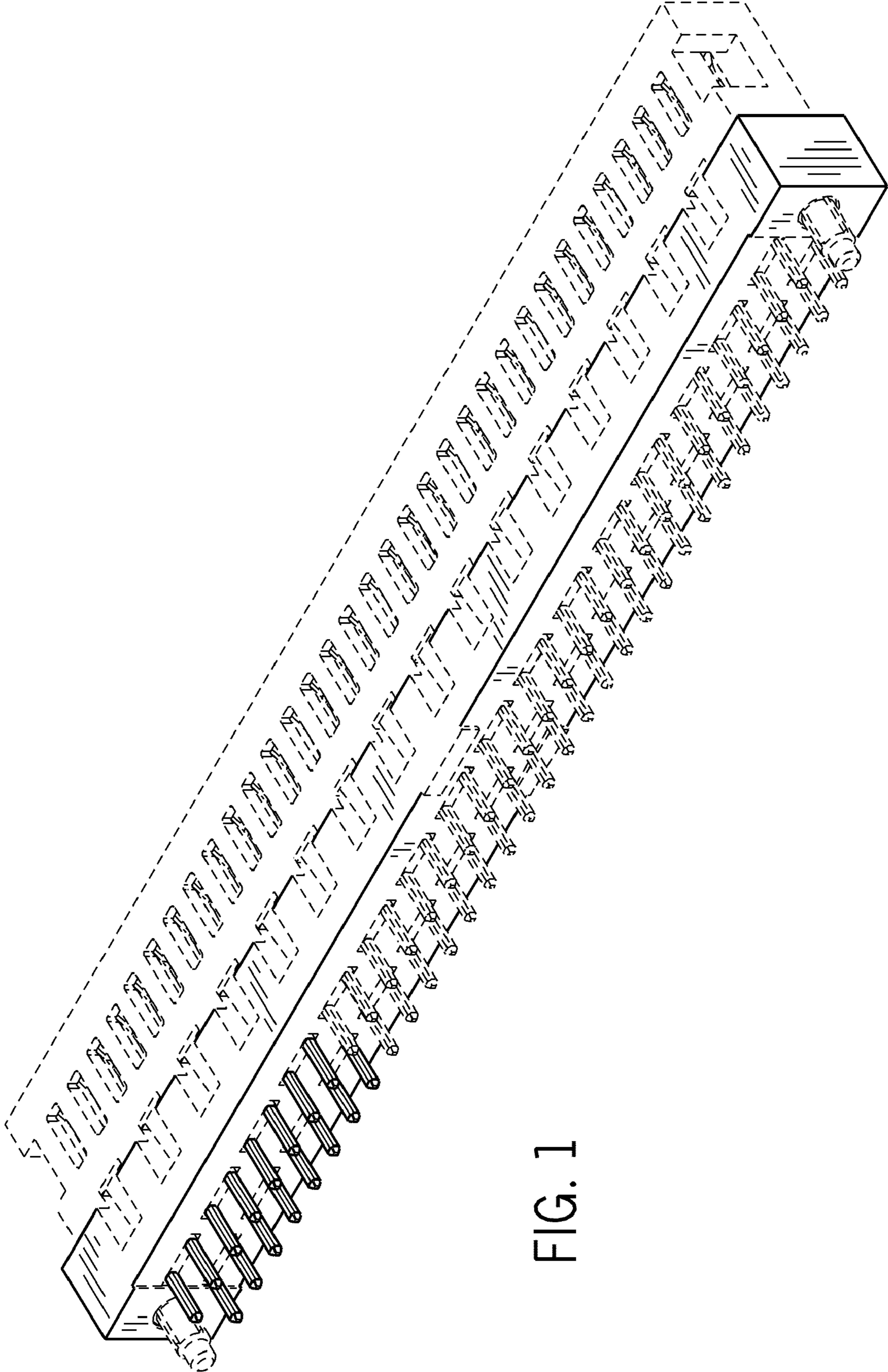


FIG. 1

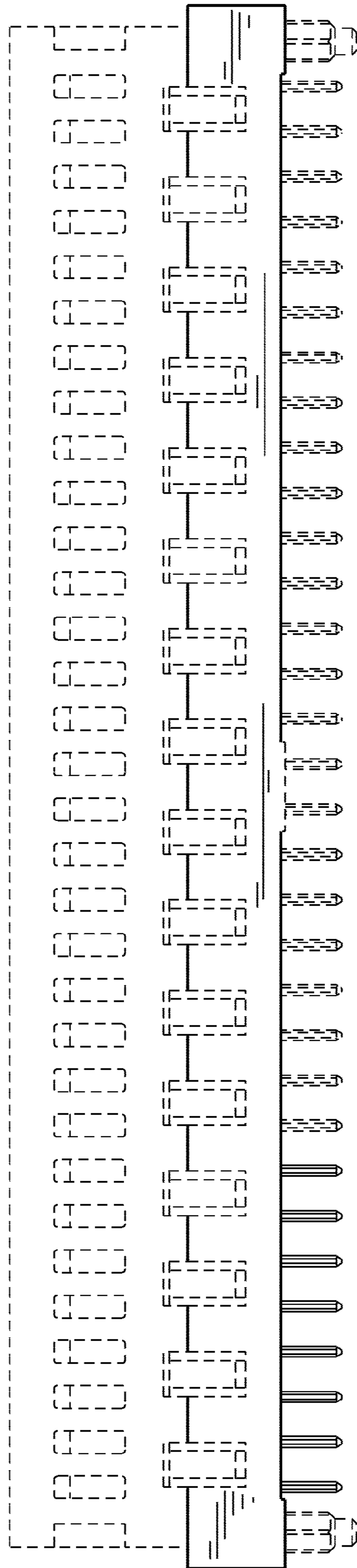


FIG. 2

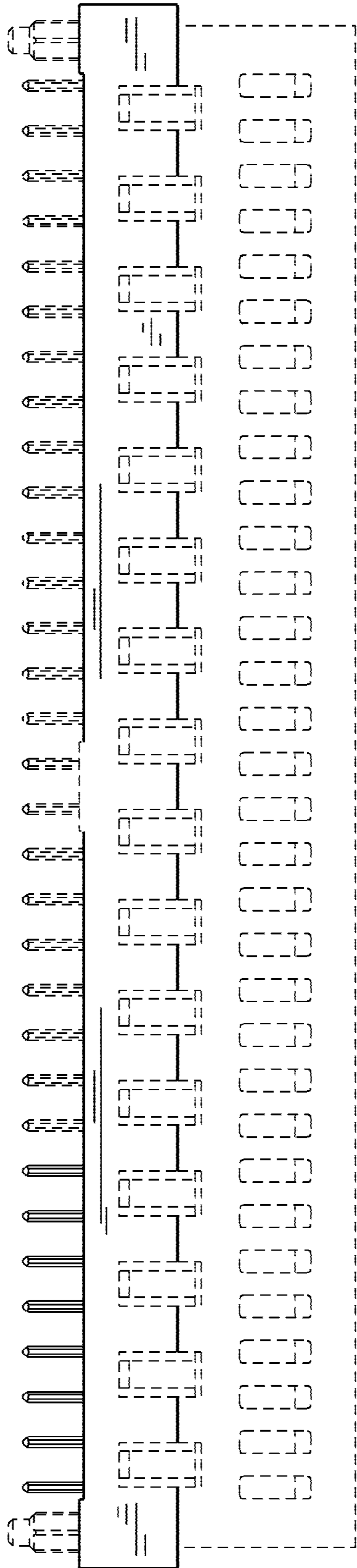


FIG. 3

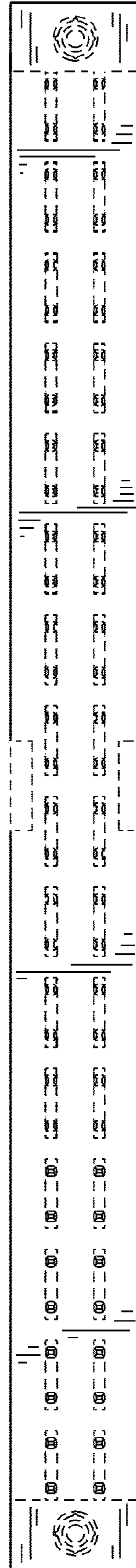


FIG. 4

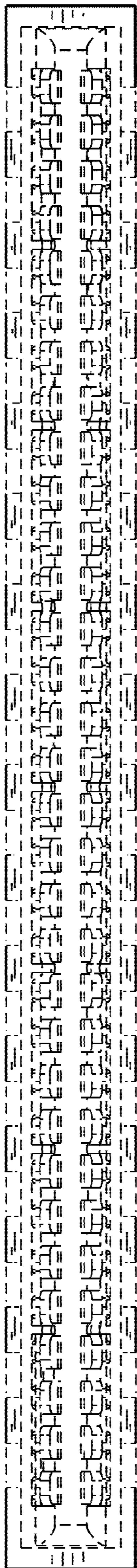


FIG. 5

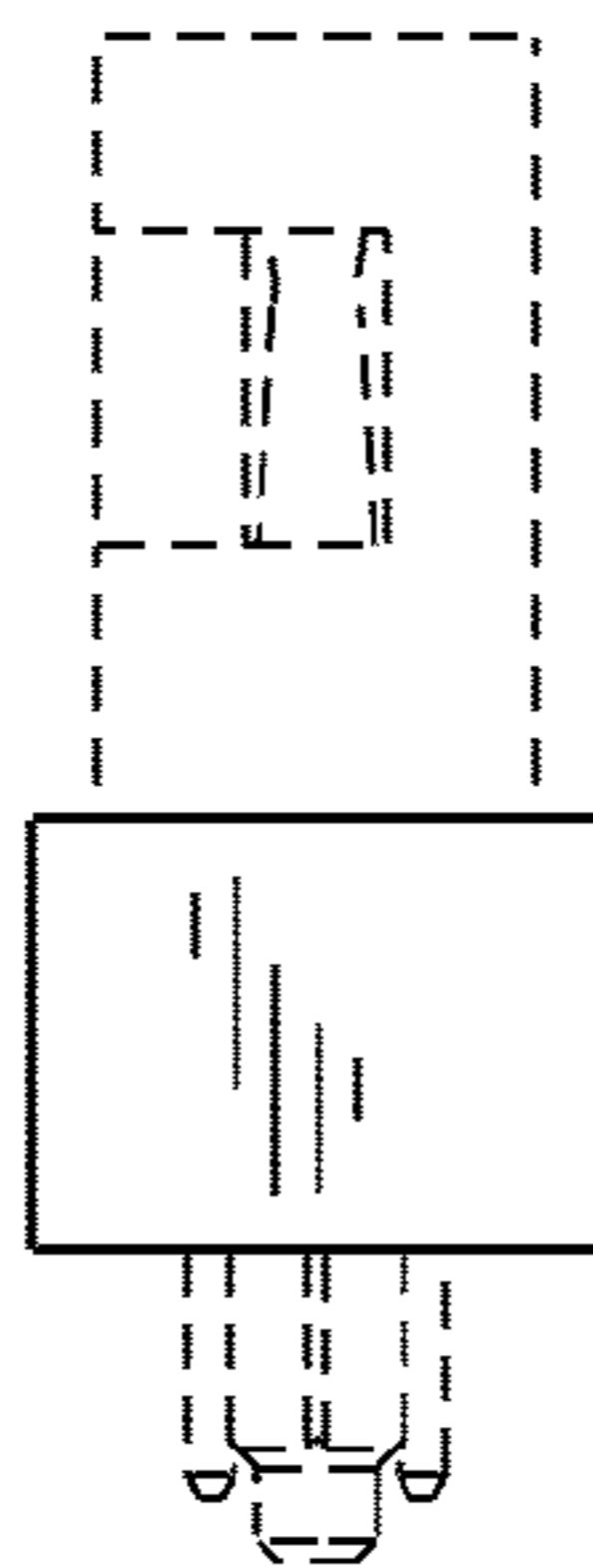


FIG. 6

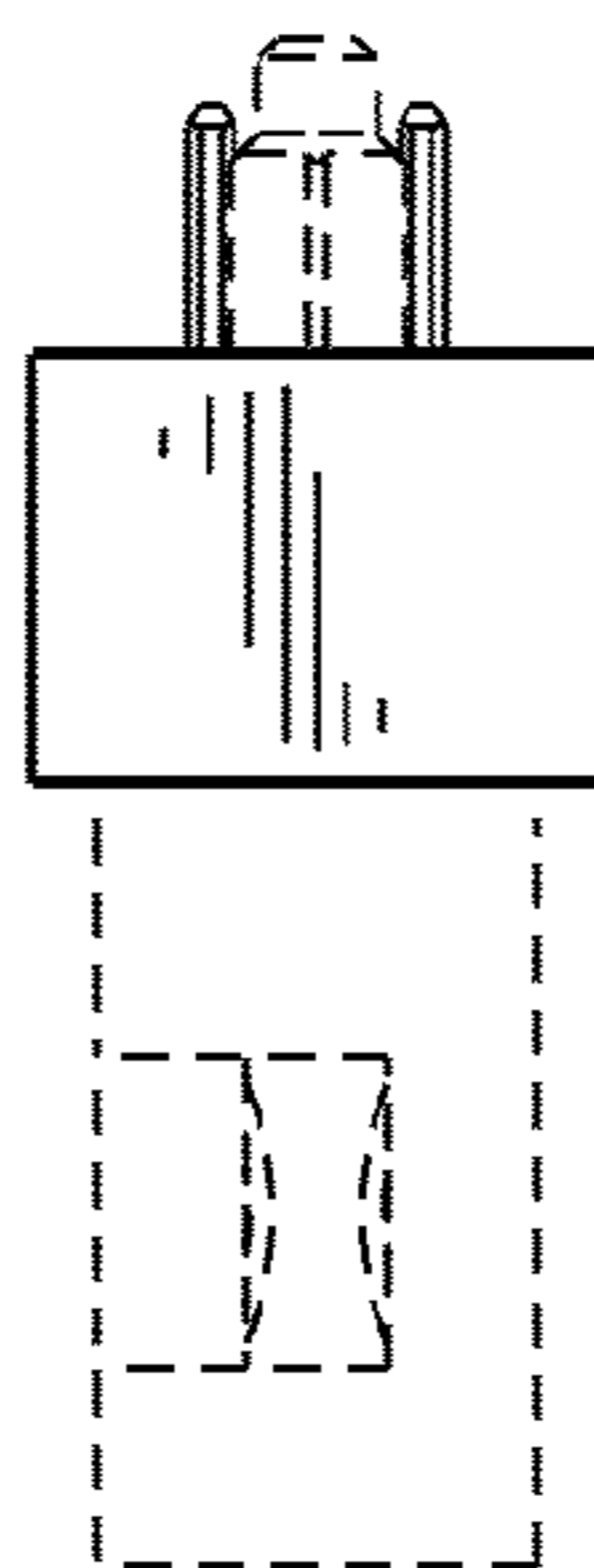


FIG. 7