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**Horino et al.**

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(54) **ELECTRICAL CONNECTOR**  
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(52) **U.S. Cl.**  
USPC ..... **D13/147**; D13/133; D13/146  
(58) **Field of Classification Search**  
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D13/184, 199  
CPC ..... H01R 12/52; H01R 12/73; H01R 12/707;  
H01R 12/716; H01R 13/20; H01R  
13/405; H01R 13/506; H01R 13/6581;  
H01R 13/6582; H01R 13/6583; H01R  
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See application file for complete search history.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
5,183,971 A \* 2/1993 Lafosse ..... H02G 5/06  
439/207  
D494,934 S \* 8/2004 Milan ..... D13/133  
7,503,808 B1 \* 3/2009 O'Shea ..... H01R 31/065  
439/639  
D653,210 S \* 1/2012 Meier ..... D13/133  
D797,677 S \* 9/2017 Ozeki ..... D13/147

D870,045 S \* 12/2019 Colvin ..... D13/133  
D877,704 S \* 3/2020 Takenaga ..... D13/147  
D913,967 S \* 3/2021 Endo ..... D13/156  
D933,613 S \* 10/2021 Takenaga ..... D13/147  
D936,612 S \* 11/2021 Endo ..... D13/156  
2006/0040557 A1 2/2006 Yamaguchi  
2014/0213079 A1\* 7/2014 Nishimura ..... H01R 13/405  
439/78  
2020/0220287 A1 7/2020 Hirakawa  
2021/0359456 A1\* 11/2021 Oosaka ..... H01R 13/506  
2021/0359458 A1\* 11/2021 Oosaka ..... H01R 13/6582

**FOREIGN PATENT DOCUMENTS**

JP 2006-059589 A 3/2006  
JP 2019-087382 A 6/2019

\* cited by examiner

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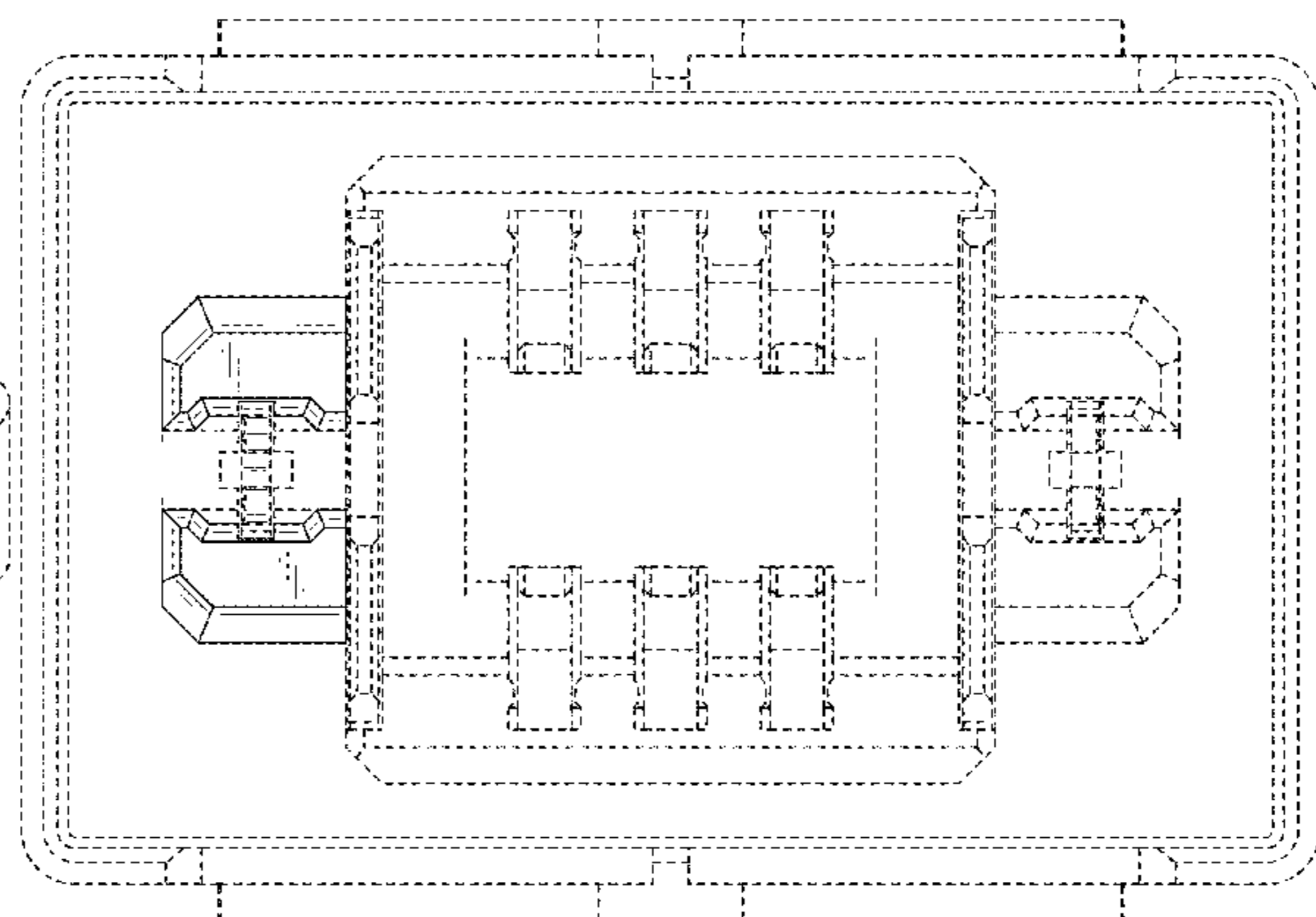
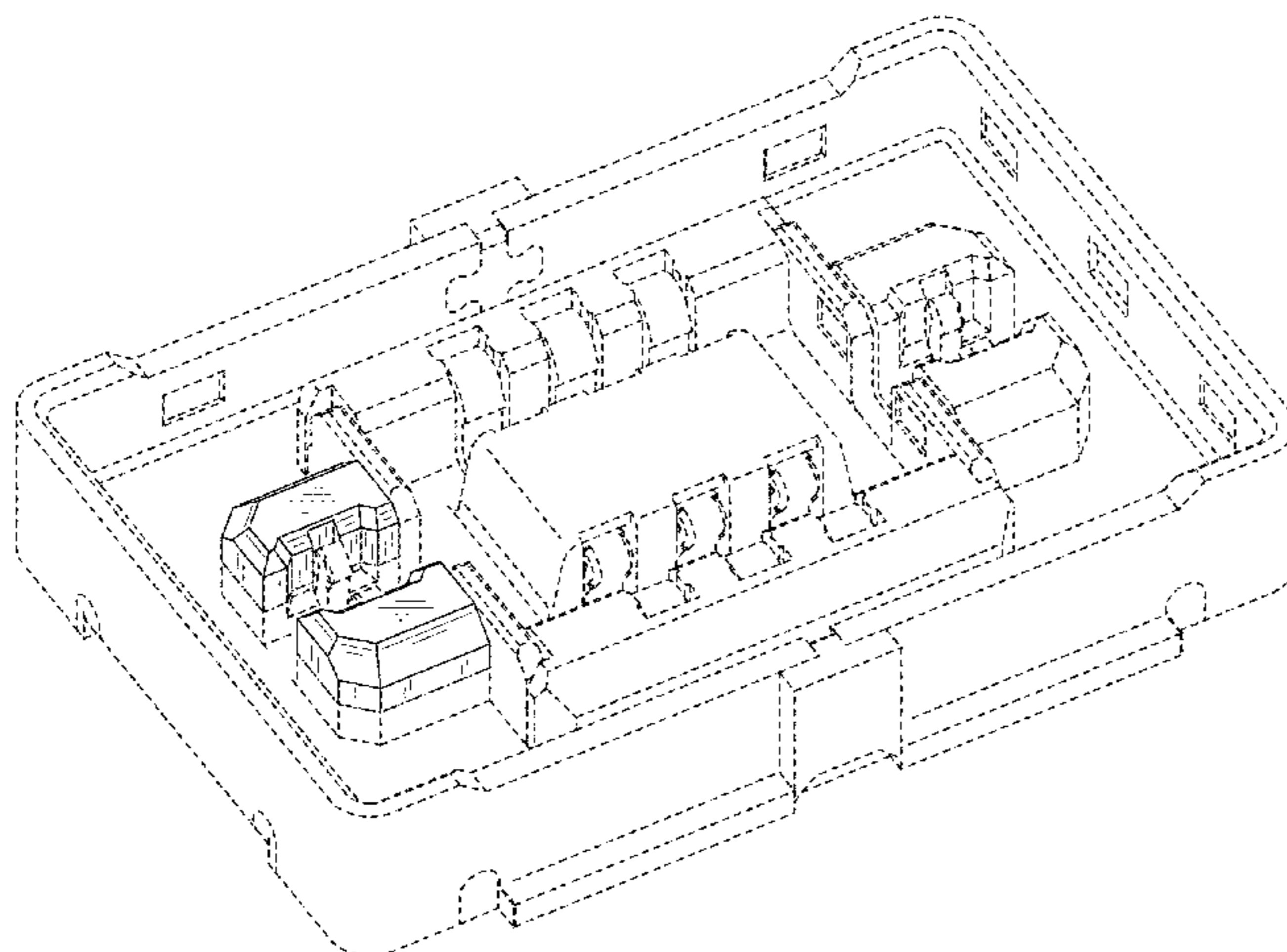
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front, bottom and left-side perspective view of an electrical connector showing our new design; FIG. 2 is a front, top and left-side perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is rear elevational view thereof; FIG. 5 is a left-side elevational view thereof; FIG. 6 is a right-side elevational view thereof; FIG. 7 is a top plan view thereof; and, FIG. 8 is a bottom plan view thereof. The broken lines depict portions of the electrical connector that form no part of the claimed design. The dot-dash boundary lines define the boundary of the claimed design and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



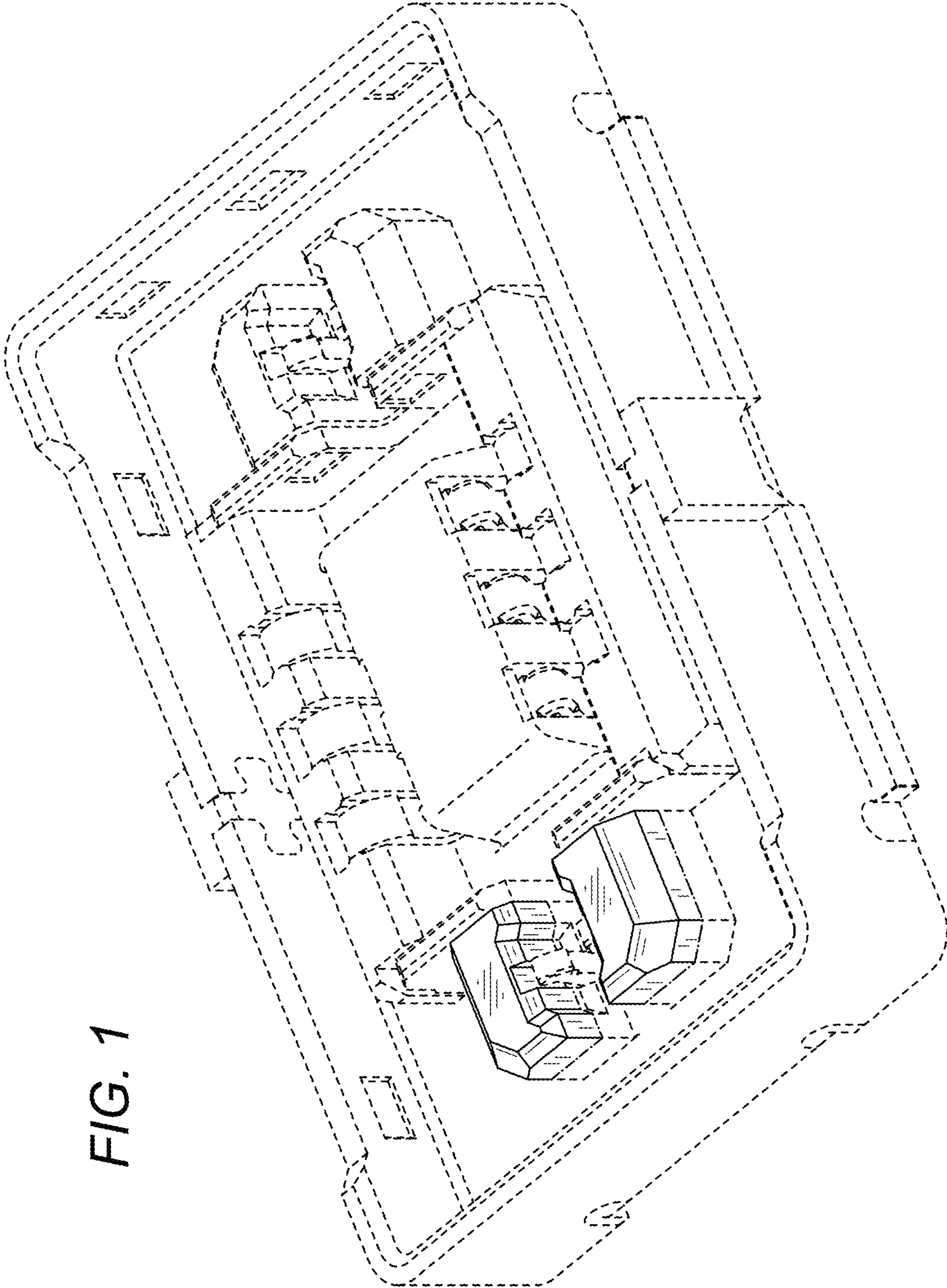


FIG. 1

FIG. 2

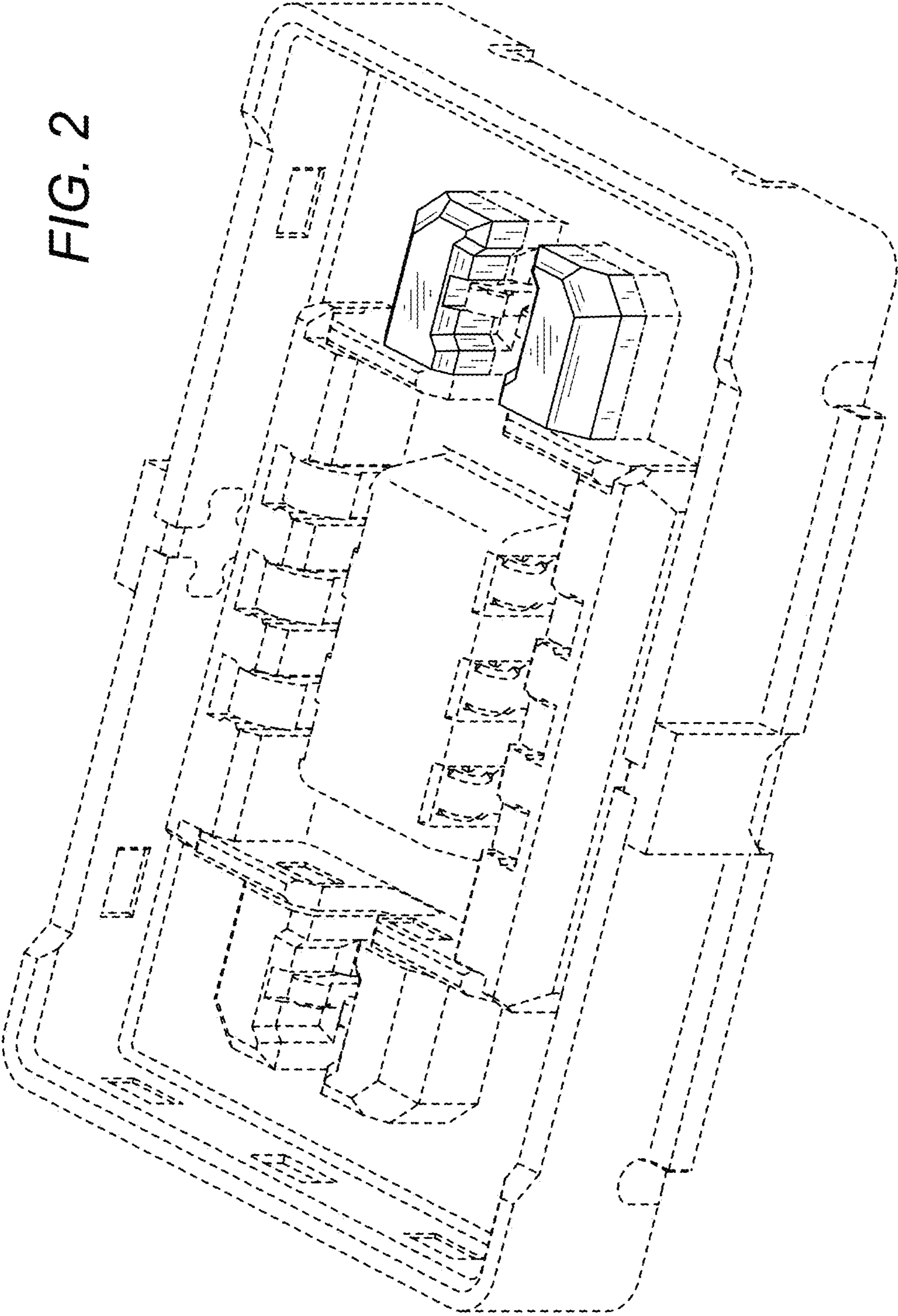


FIG. 3

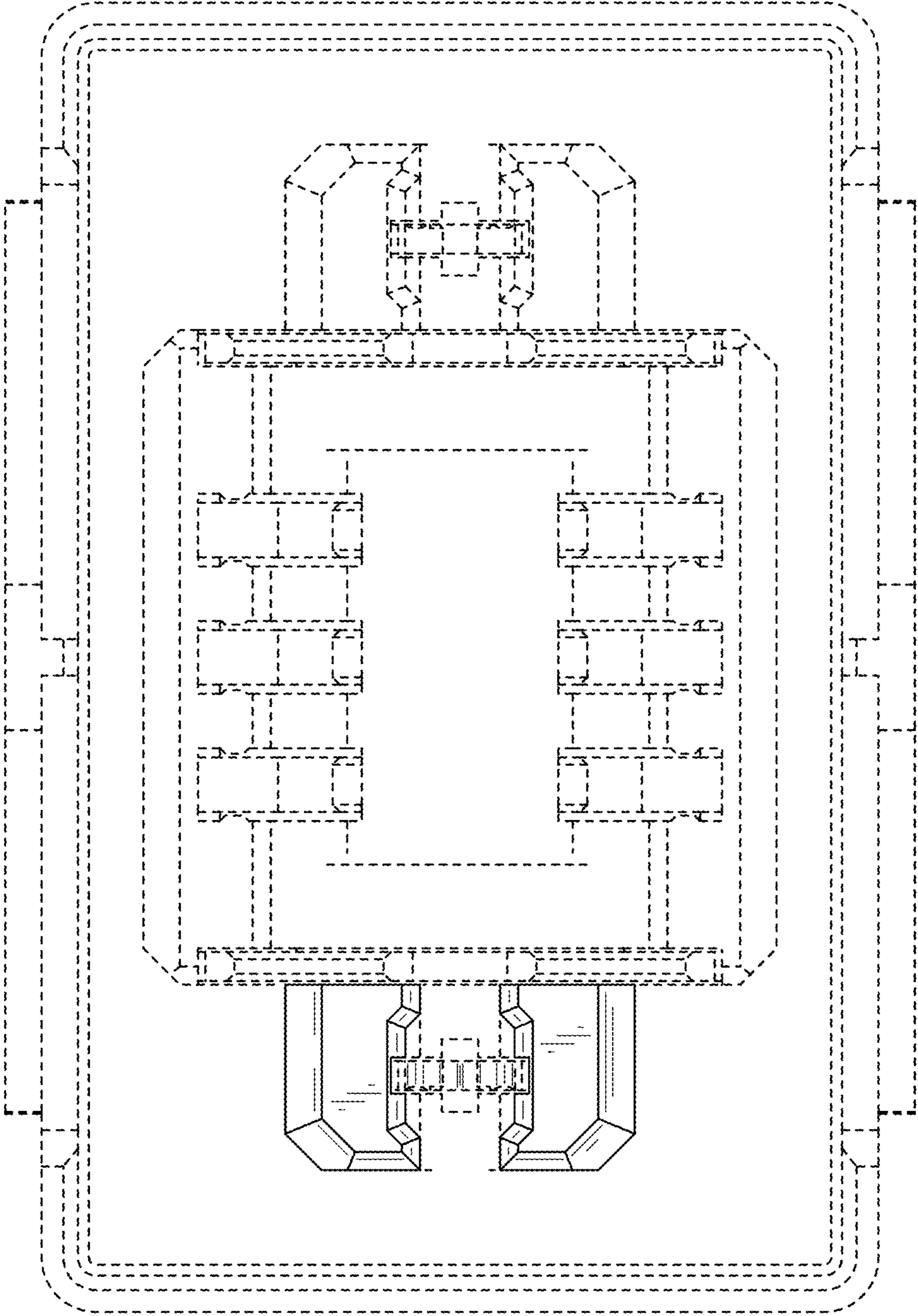
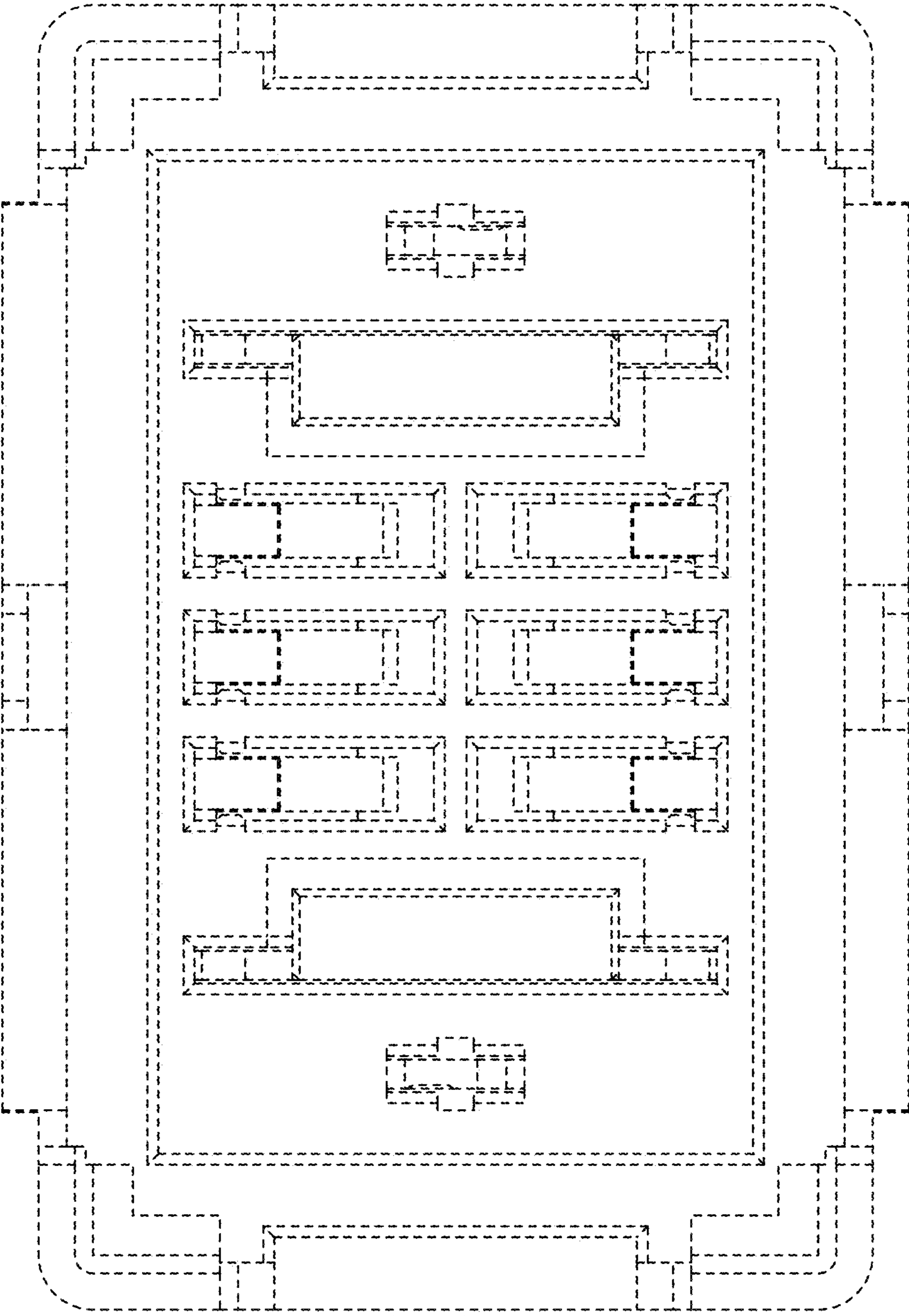
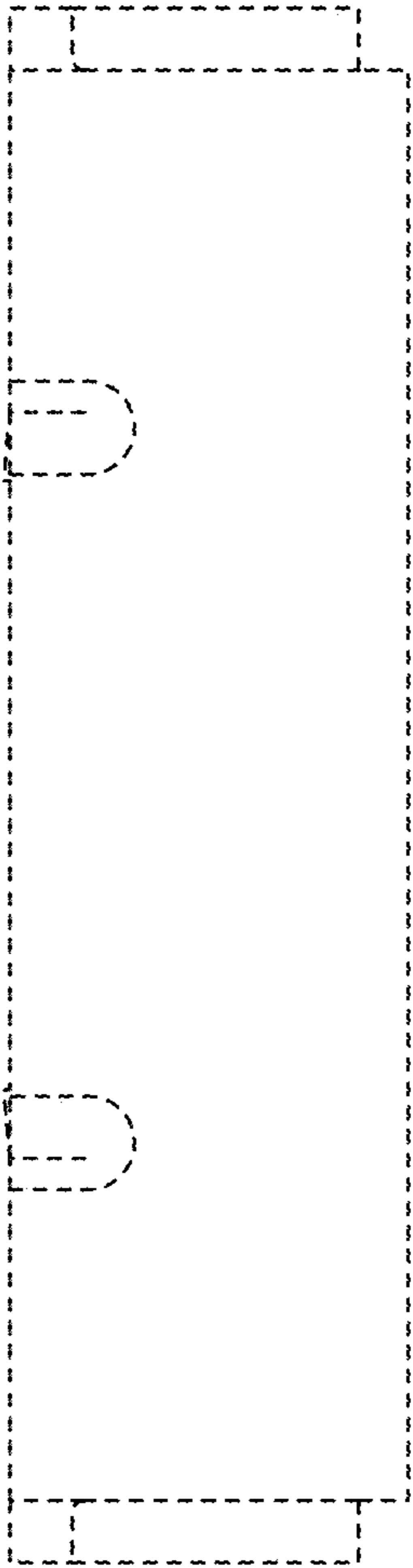


FIG. 4



*FIG. 5*



*FIG. 6*

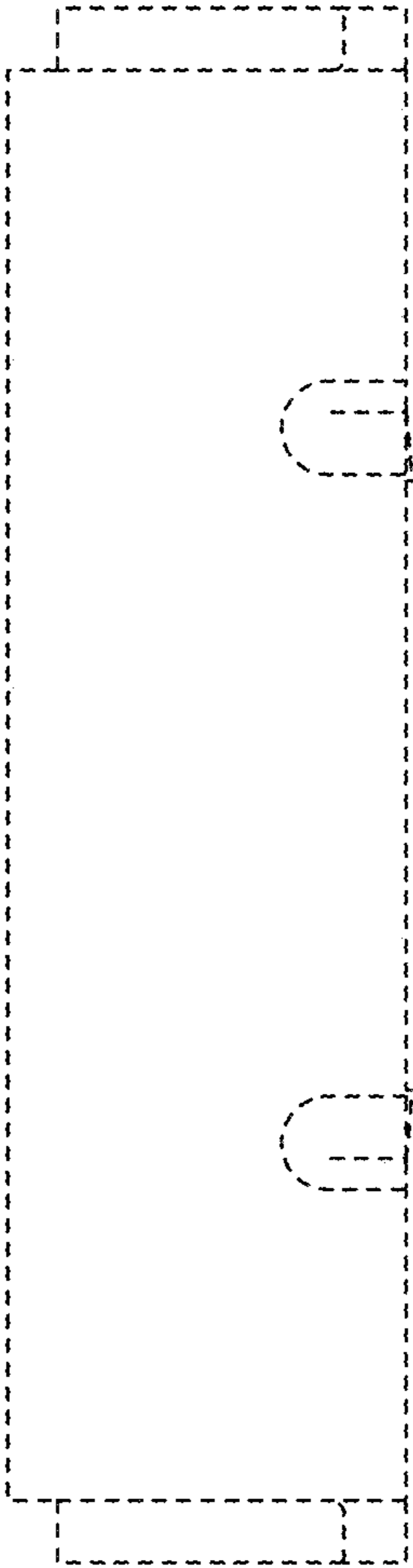


FIG. 7

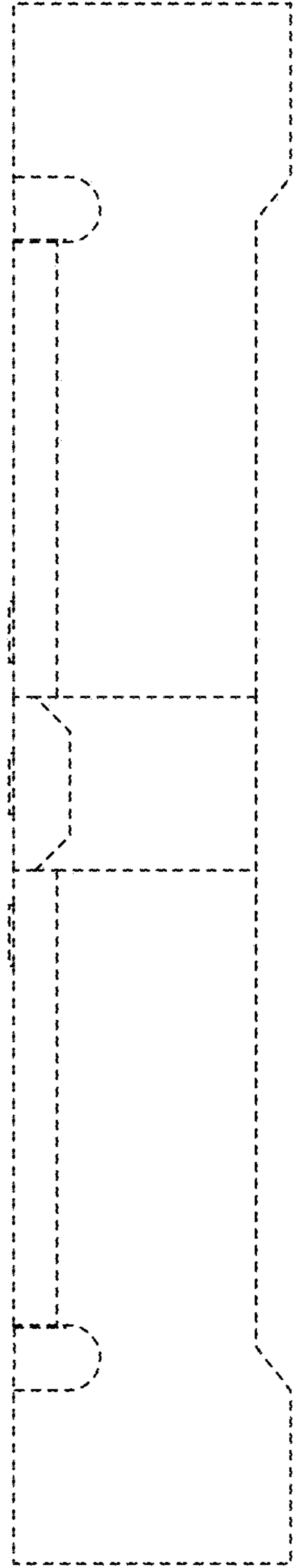


FIG. 8

