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

(10) **Patent No.:** **US D937,229 S**

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- (54) **PIEZOELECTRIC ELEMENT**
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- (73) Assignee: **TDK CORPORATION**, Tokyo (JP)
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(Continued)

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(30) **Foreign Application Priority Data**

May 20, 2019 (JP) 2019-010846

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

(52) **U.S. Cl.**
USPC **D13/182; D14/435**

(58) **Field of Classification Search**
USPC D13/101, 110, 118, 121, 123, 133, 179,
D13/182, 184, 199, 147; D14/432, 433,
D14/435, 438, 299, 356, 242, 436, 474,
D14/240, 496, 385, 358, 480.1–480.7;
D10/75, 80; 310/344, 348, 370
CPC H03H 9/02; H03H 9/21; H03H 9/0547;
H03H 9/1021; H03H 9/215; H03H
2003/022; H03H 2003/0485; H01L
2224/48091; H01L 2224/73265; H01L
41/047; H05K 7/005; H05K 7/026; H05K
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See application file for complete search history.

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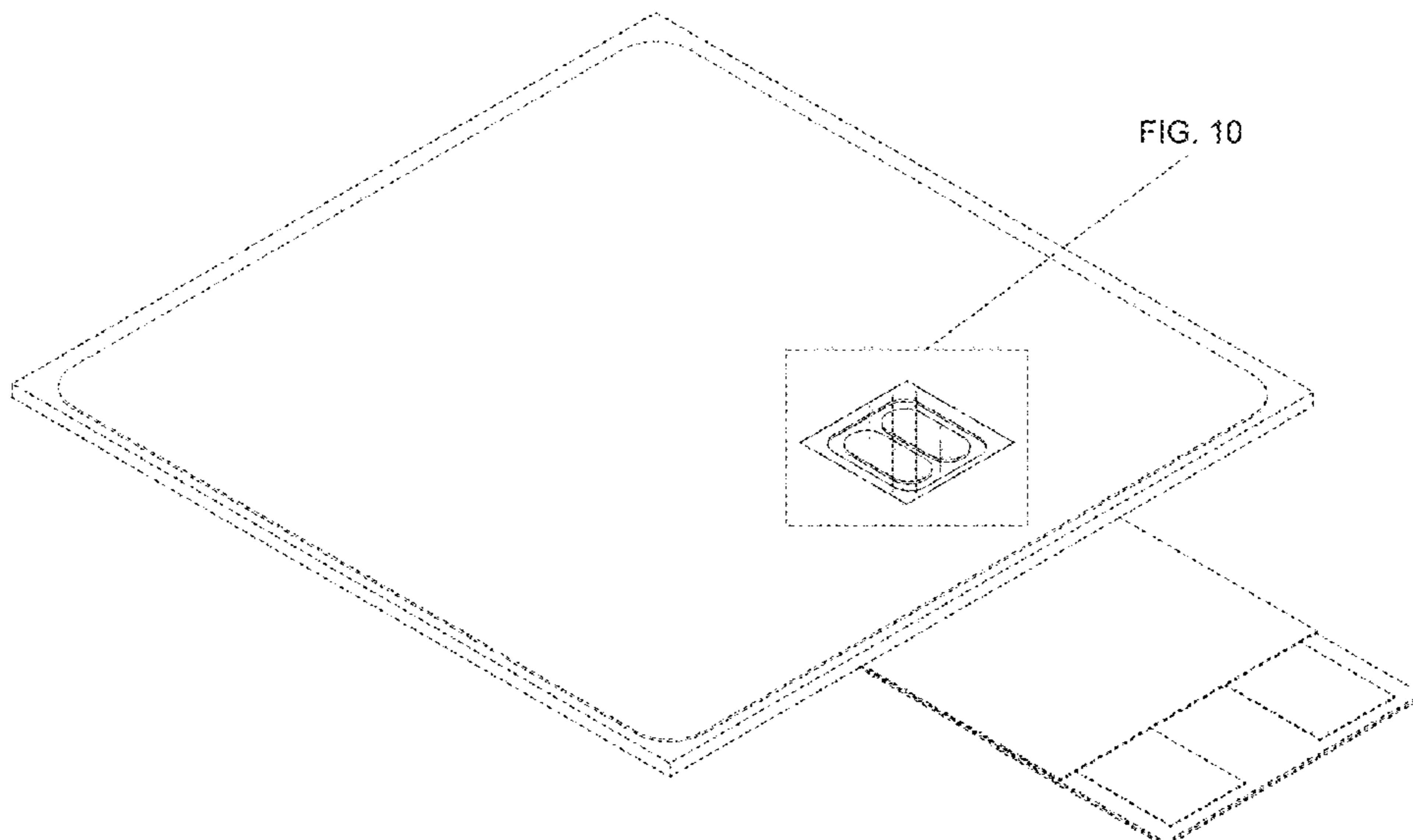
(57) **CLAIM**

The ornamental design for a piezoelectric element, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a piezoelectric element showing our new design;
 FIG. 2 is a rear view thereof;
 FIG. 3 is a top plan view thereof;
 FIG. 4 is a bottom view thereof;
 FIG. 5 is a right side view thereof;
 FIG. 6 is a left side view thereof;
 FIG. 7 is a perspective view thereof;
 FIG. 8 is an enlarged cross sectional view taken along lines 8-8 and 801-801 in FIG. 1;
 FIG. 9 is an enlarged cross sectional view taken along lines 9-9 and 901-901 in FIG. 1; and,
 FIG. 10 is an enlarged portion view taken from the encircled portion labeled “FIG. 10” in FIG. 7.
 The even broken lines depict unclaimed portions of the piezoelectric element and form no part of the claimed design. The dot-dash lines in the drawings depict the boundary lines of the claimed subject matter and do not form part of the claimed design.

1 Claim, 10 Drawing Sheets



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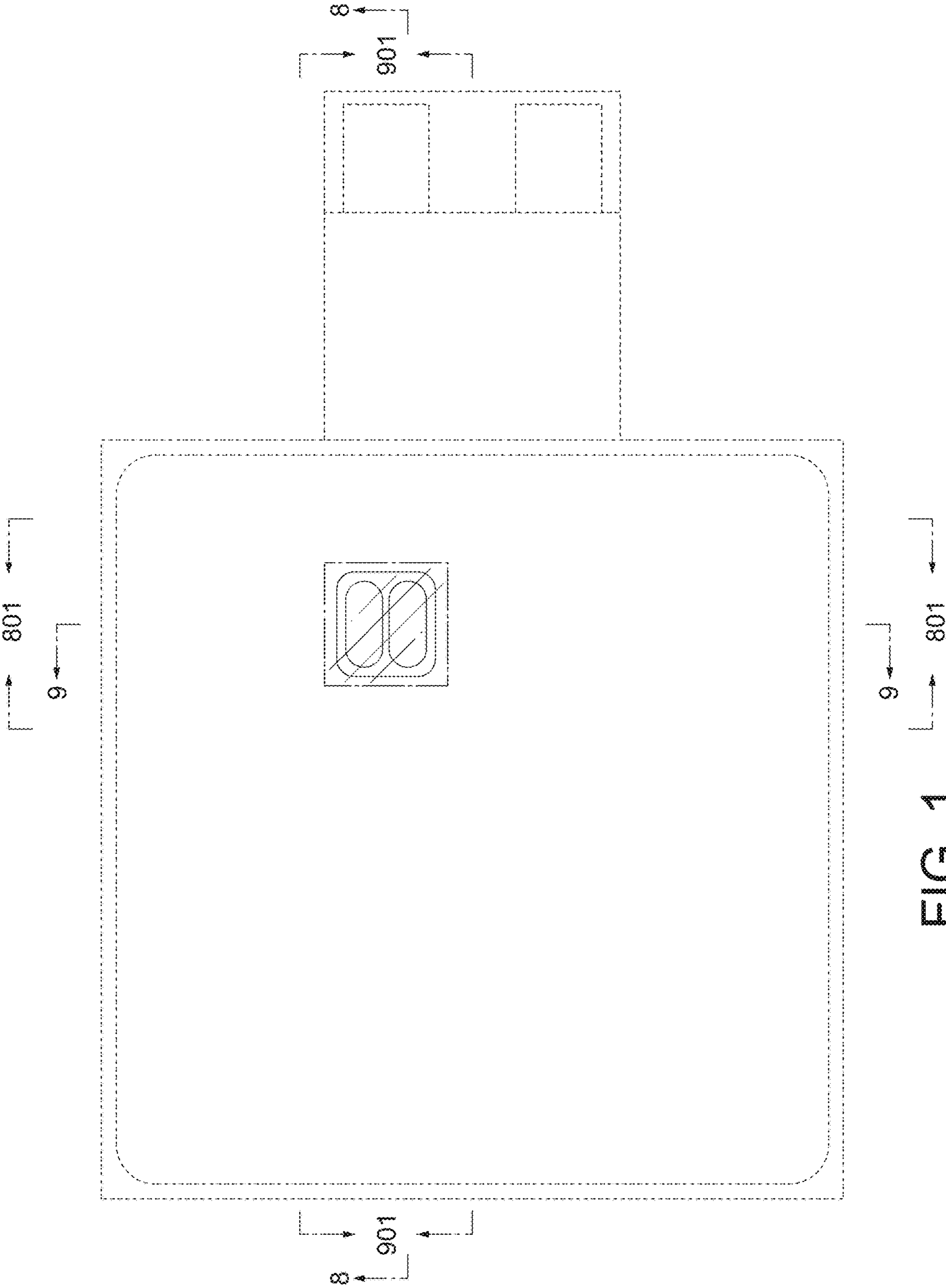


FIG. 1

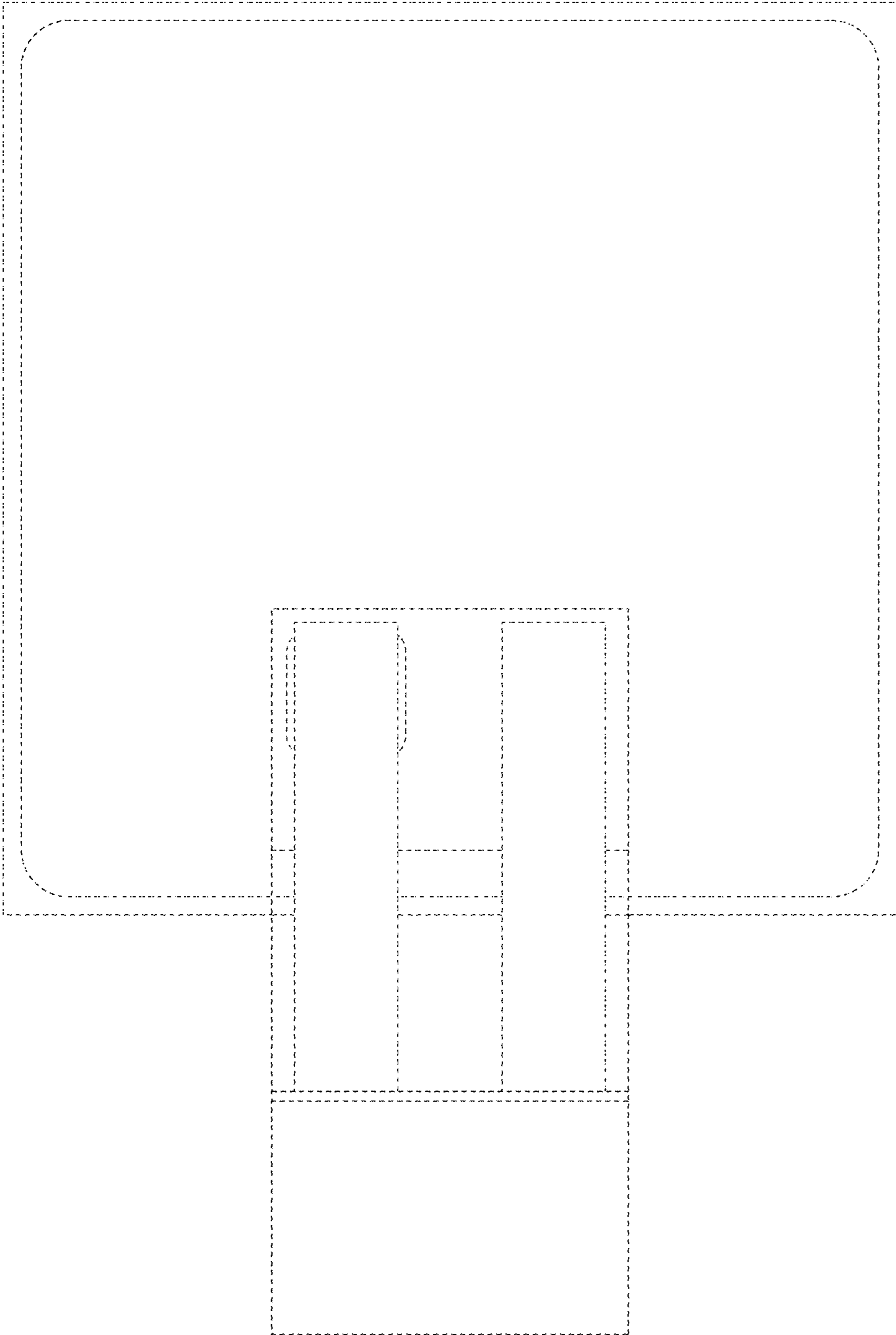


FIG. 2

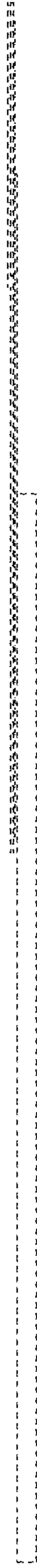


FIG. 3

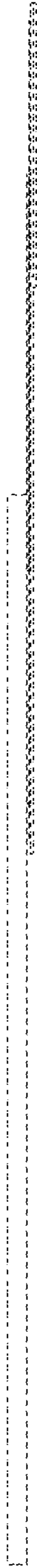


FIG. 4

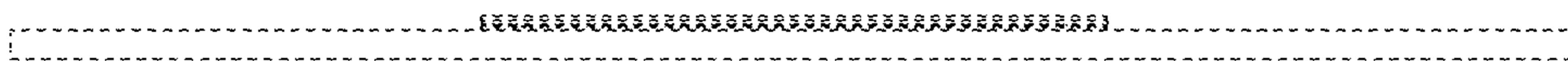


FIG. 5

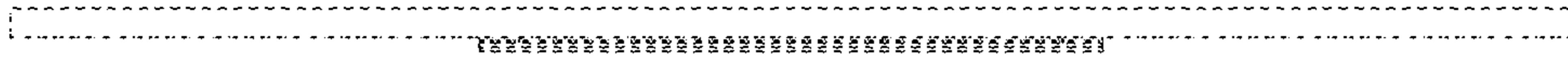


FIG. 6

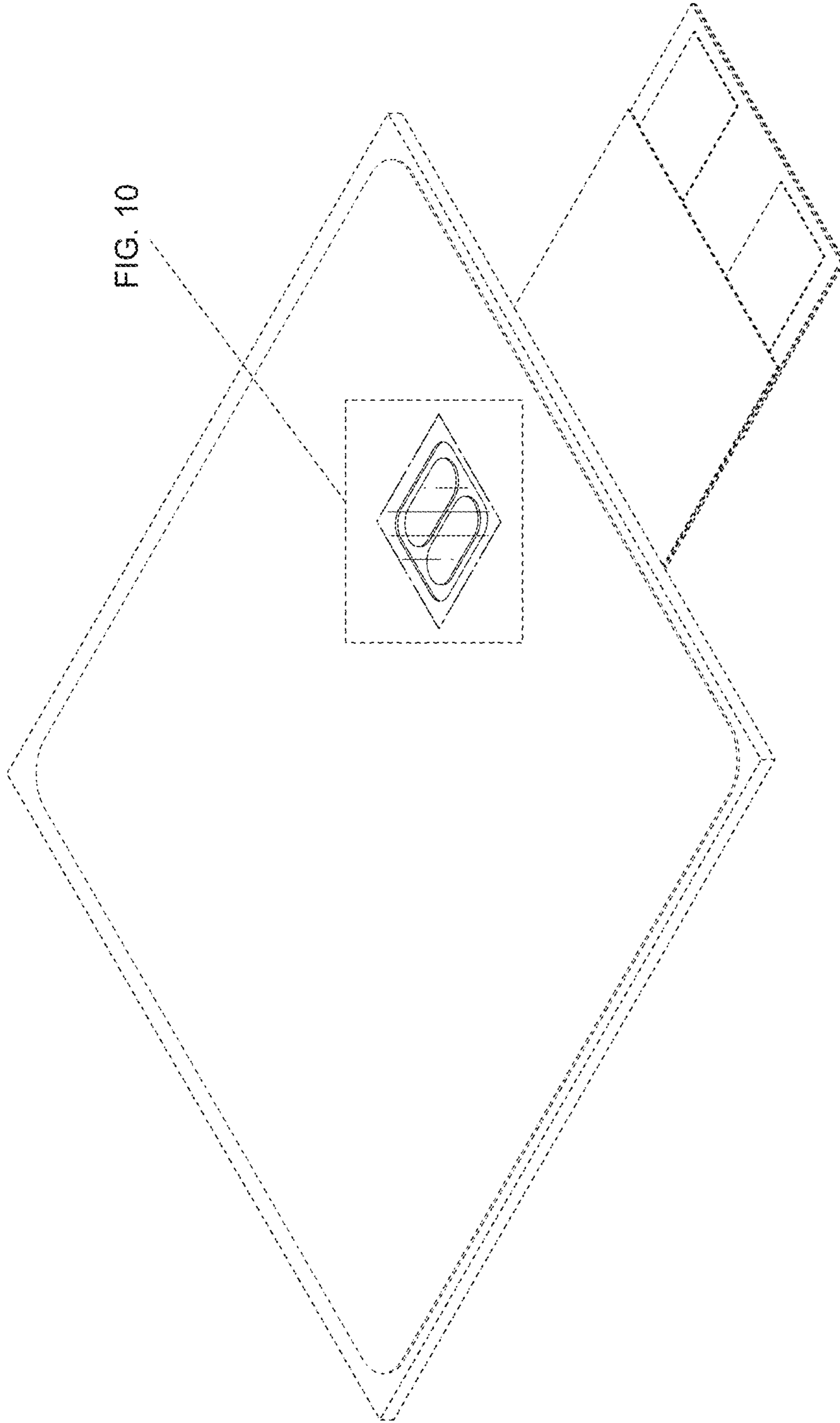


FIG. 10

FIG. 7

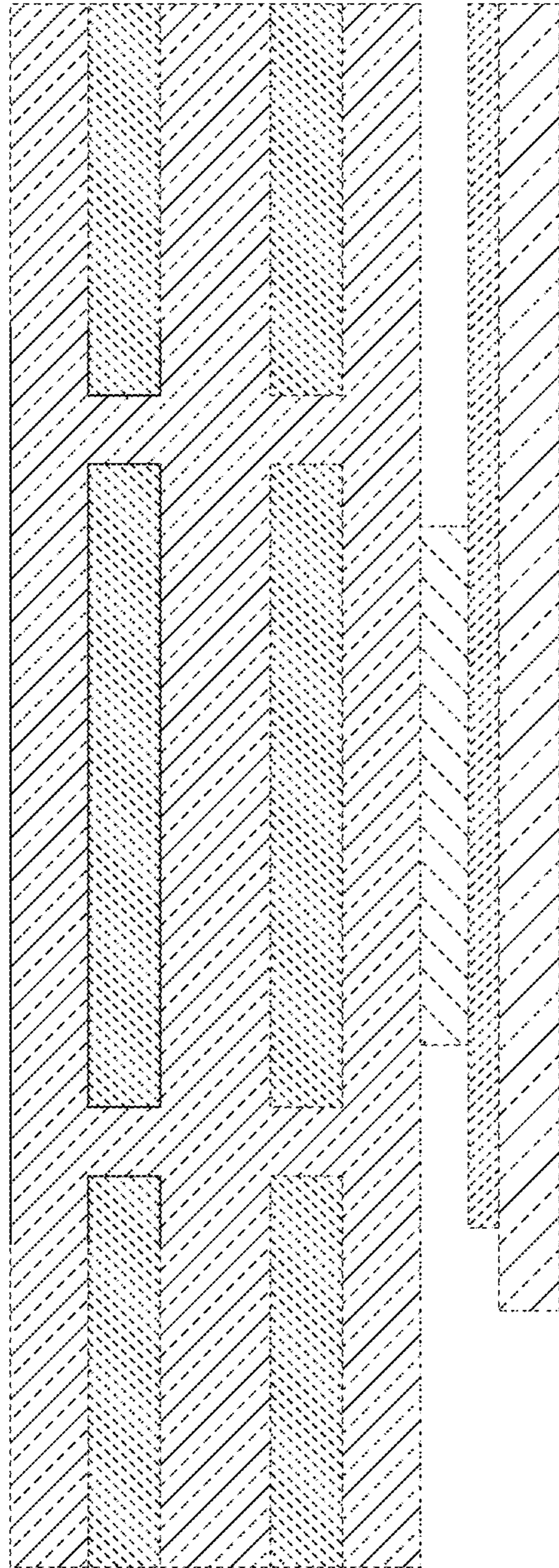


FIG. 8

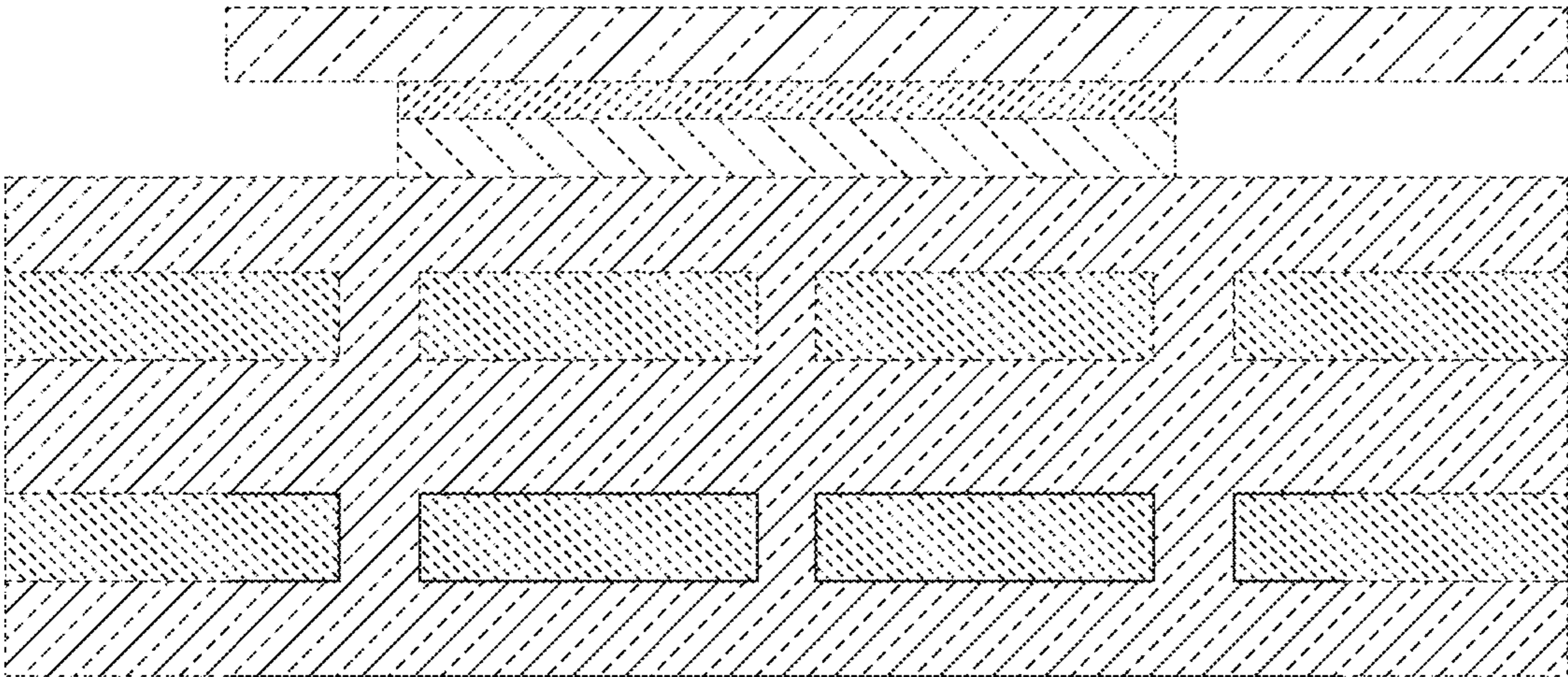


FIG. 9

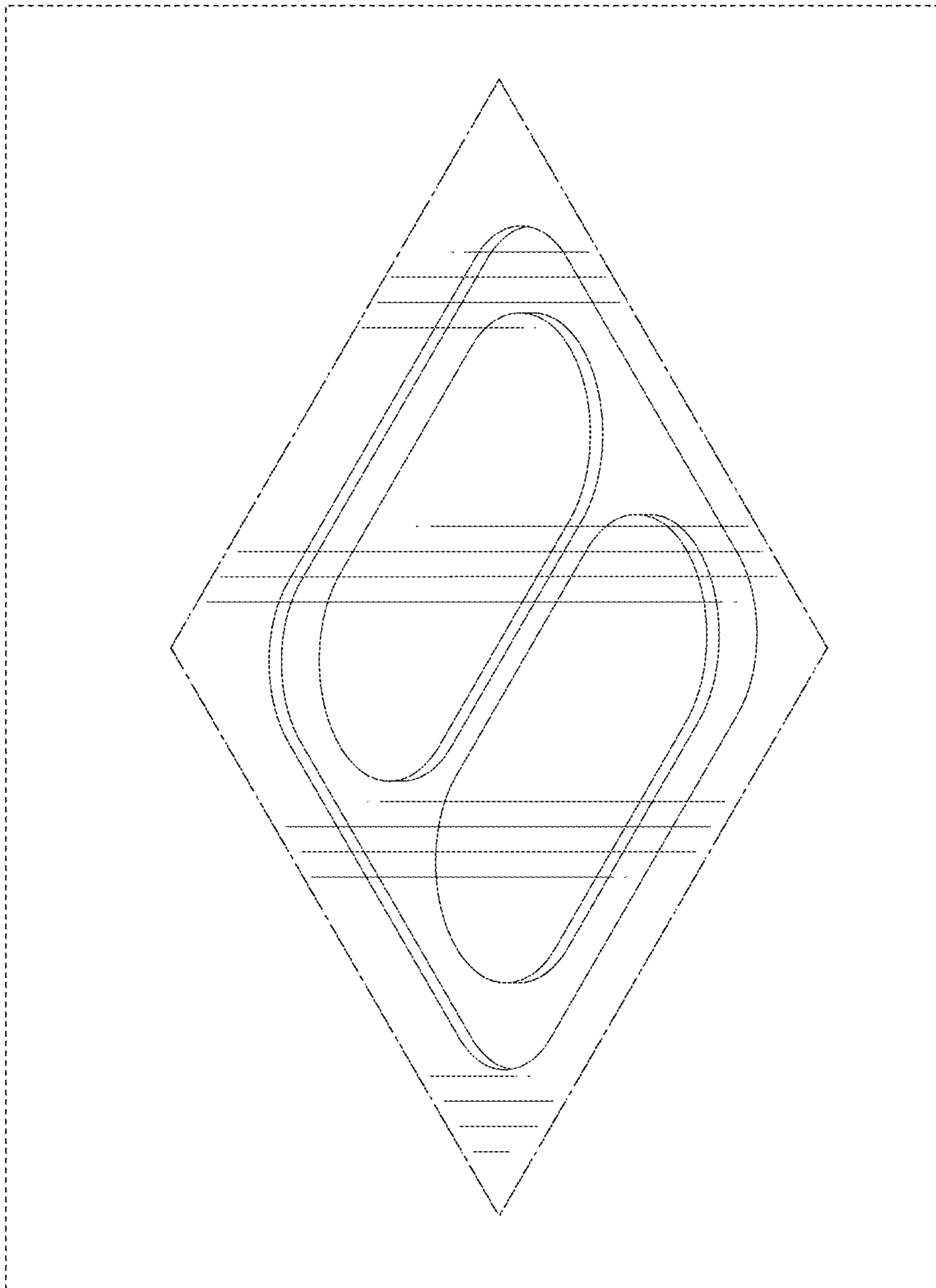


FIG. 10