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

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- (54) **ADJUSTABLE FIXTURE FOR ALIGNING COLUMN GRID ARRAY SUBSTRATES**
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- (73) Assignee: **TopLine Corporation**, Irvine, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/716,908**

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- (22) Filed: **Dec. 12, 2019**
- (51) **LOC (13) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/182**
- (58) **Field of Classification Search**
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CPC .. H01R 13/66; H01R 13/665; H01R 13/6658;
H01L 23/32; H01L 23/40; H01L 21/00;
H01L 21/02; H01L 21/02002; B23K 3/06;
B23K 3/0607; B23K 37/04; B23K
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See application file for complete search history.

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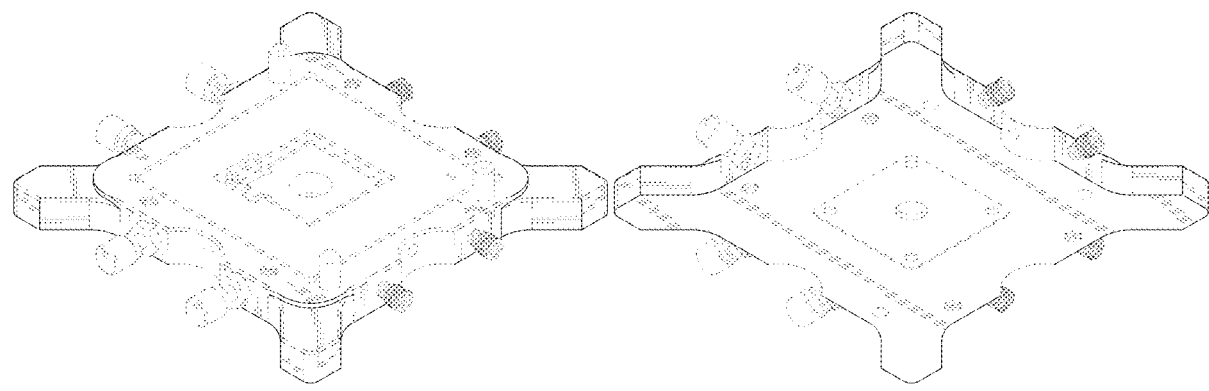
(57) **CLAIM**
The ornamental design for an adjustable fixture for aligning column grid array substrates, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an adjustable fixture for aligning column grid array substrates, showing our new design;
FIG. 2 is a bottom perspective view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a front view thereof; and,
FIG. 8 is a rear view thereof.
The broken lines in the drawings represent portions of the adjustable fixture for aligning column grid array substrates that form not part of the claimed design.

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1 Claim, 6 Drawing Sheets



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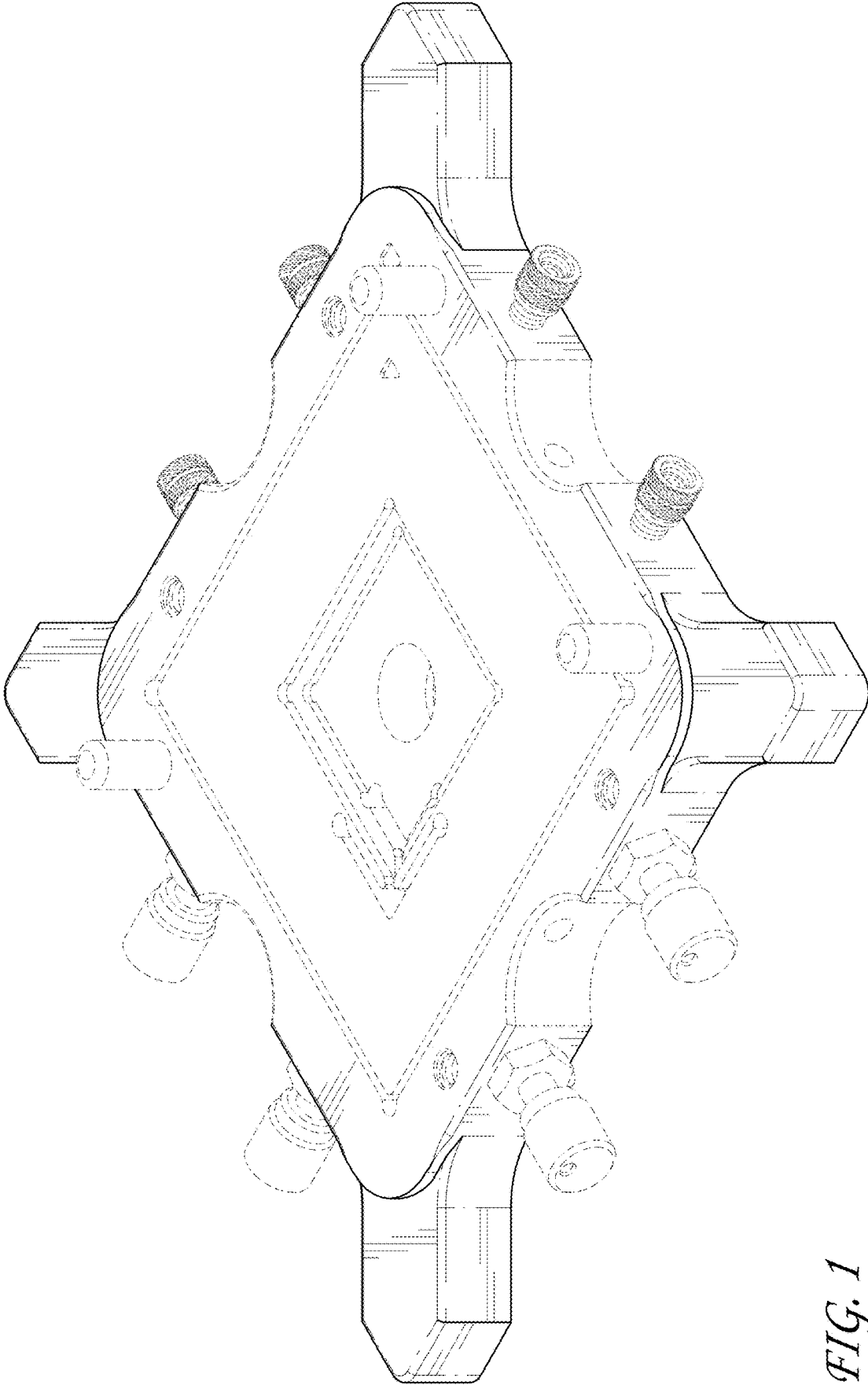


FIG. 1

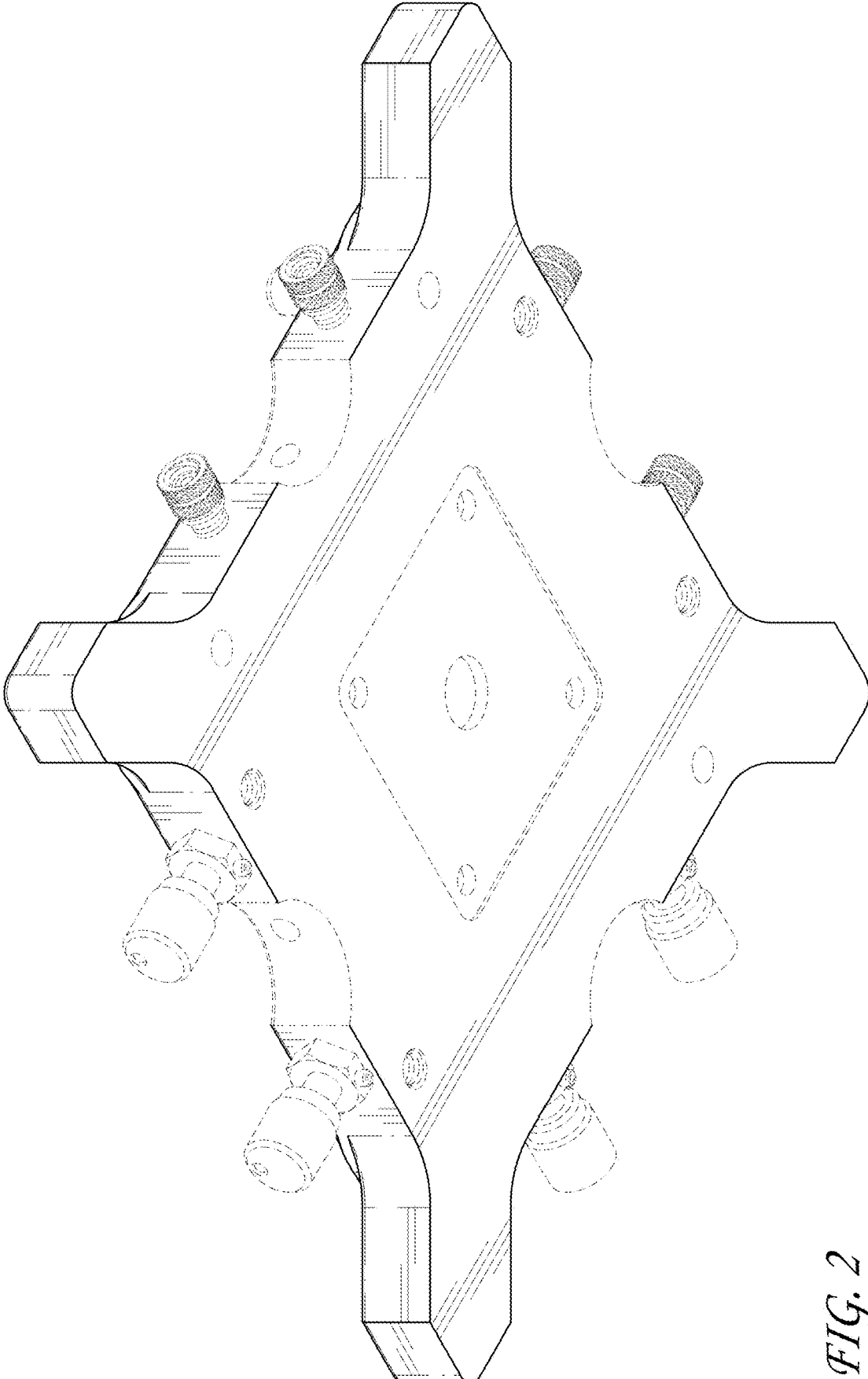


FIG. 2

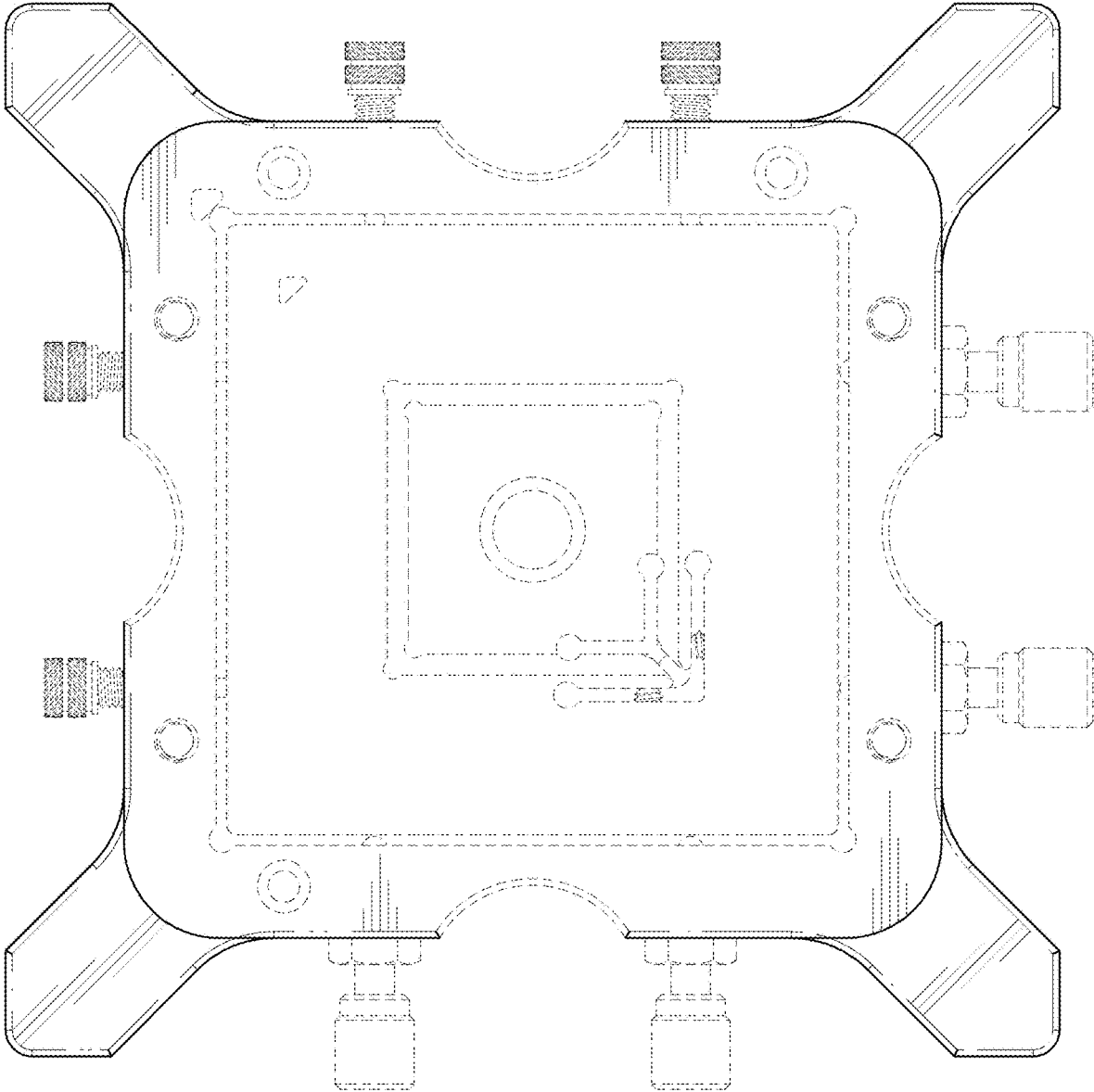


FIG. 3

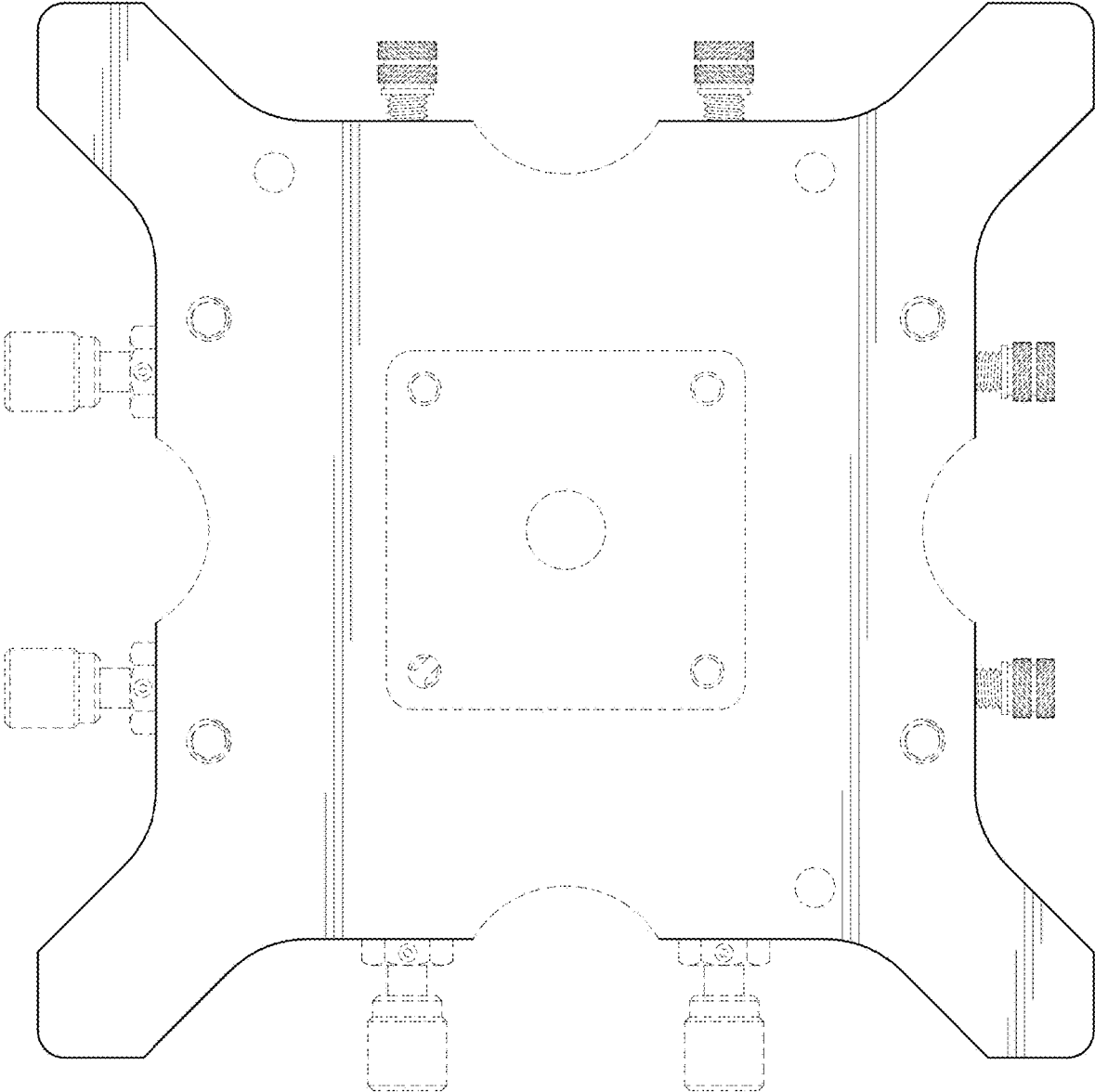


FIG. 4

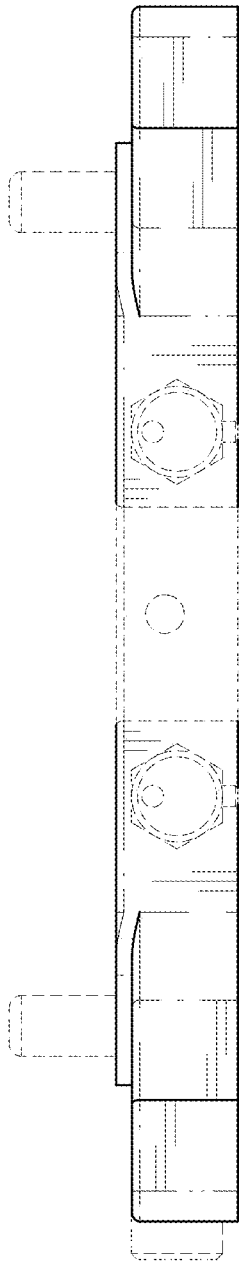


FIG. 5

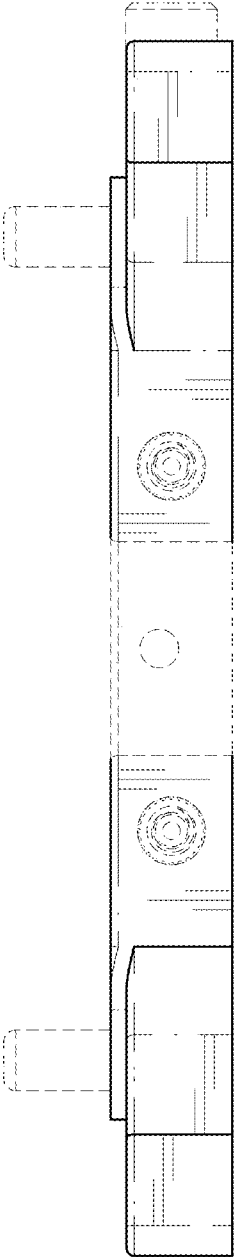


FIG. 6

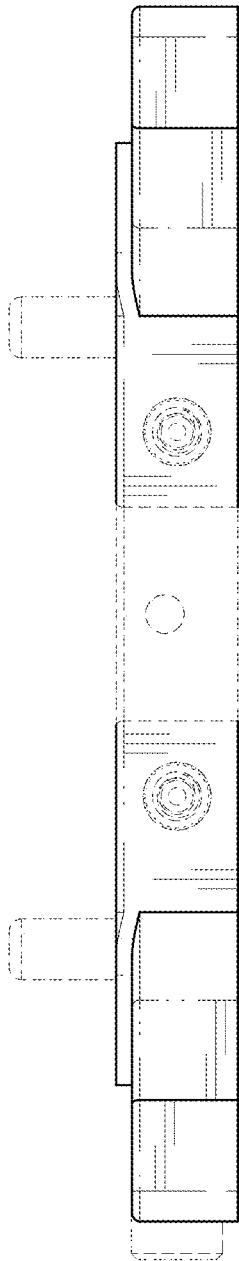


FIG. 7

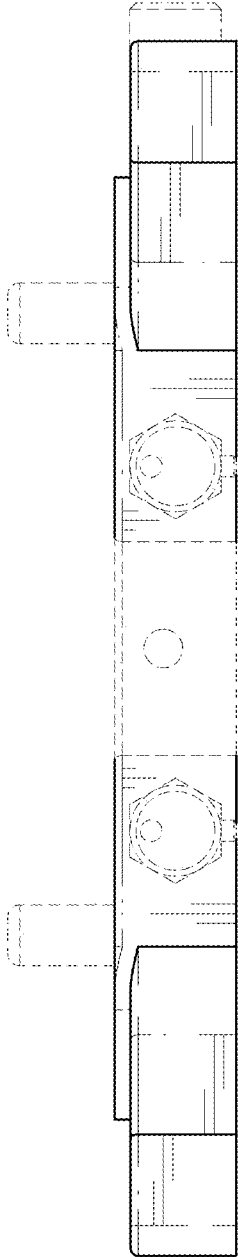


FIG. 8