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(12) United States Design Patent

Senofsky et al.

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(45) Date of Patent: ** Jul. 27, 2021

(54) **ELECTRICAL CONNECTOR SYSTEM FOR LED TAPE LIGHTING**

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(73) Assignee: **LED INSPIRATIONS, LLC**, Cypress, TX (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/697,599**

(22) Filed: **Jul. 10, 2019**

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

(52) **U.S. Cl.**
USPC **D13/149**

(58) **Field of Classification Search**
USPC D13/107, 110, 120, 133, 134, 139.2, D13/146–149, 152, 153, 154–157, 184, D13/199; D26/25 H01R 13/514; H01R 13/518; H01R 13/6587; H01R 13/6586; H01R 12/78; H01R 12/79; F21V 23/002
See application file for complete search history.

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(Continued)

Primary Examiner — Jennifer O King

(74) *Attorney, Agent, or Firm* — Basil M. Angelo; Angelo IP

(57) **CLAIM**

The ornamental design for an electrical connector system for LED tape lighting, as shown and described.

DESCRIPTION

FIG. **1** is a top perspective view of a top portion of an electrical connector system for LED tape lighting of our design, shown detached for each of illustration;
FIG. **2** is a bottom perspective view thereof;
FIG. **3** is a top plan view thereof;
FIG. **4** is a bottom plan view thereof:
FIG. **5** is a left-side elevation view thereof;
FIG. **6** is a right-side elevation view thereof;
FIG. **7** is a front elevation view thereof; and
FIG. **8** is a rear elevation view thereof.
FIG. **9** is a top perspective view of a bottom tray portion of an electrical connector system for LED tape lighting of our design, shown detached for ease of illustration;
FIG. **10** is a bottom perspective view thereof;
FIG. **11** is a top plan view thereof;
FIG. **12** is a bottom plan view thereof;
FIG. **13** is a left-side elevation view thereof;
FIG. **14** is a right-side elevation view thereof;
FIG. **15** is front elevation view thereof; and
FIG. **16** is a rear elevation view thereof.
FIG. **17** is an exploded perspective view of an electrical connector system for LED tape lighting.
FIG. **18** is a top perspective view of an electrical connector system for LED tape lighting, shown in an opened state;
FIG. **19** is a top perspective view of an electrical connector system for LED tape lighting, shown in a closed and unlocked state;
FIG. **20** is a bottom perspective view thereof;
FIG. **21** is a top perspective view of an electrical connector system for LED tape lighting, shown in a closed and locked state;
FIG. **22** is a bottom perspective view thereof;
FIG. **23** is a top plan view thereof;
FIG. **24** is a bottom plan view thereof;
(Continued)

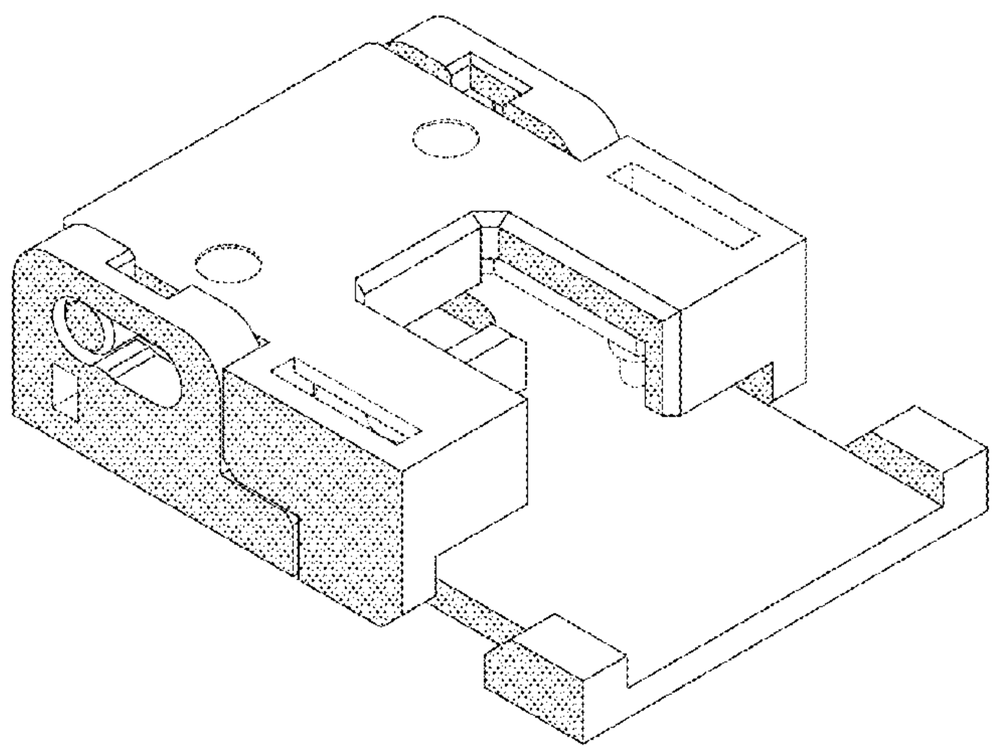

FIG. **25** is a left-side elevation view of an electrical connector system for
LED tape lighting, shown in an opened state;
FIG. **26** is a right-side view thereof;
FIG. **27** is a left-side elevation view of an electrical connector system for LED tape lighting, shown in a closed and unlocked state;
FIG. **28** is a right-side elevation view thereof;
FIG. **29** is a left-side elevation view of an electrical connector system for LED tape lighting, shown in a closed and locked state;
FIG. **30** is a right-side elevation view thereof;
FIG. **31** is a front elevation view thereof;
FIG. **32** is a rear elevation view thereof;
FIG. **33** is a top perspective view of an electrical connector system for LED tape lighting, shown in an opened state and in use;
FIG. **34** is a top perspective view of an electrical connector system for LED tape lighting, shown in a closed and unlocked state and in use; and,
FIG. **35** is a top perspective view of an electrical connector system for LED tape lighting, shown in a closed and locked state and in use.
The broken lines in the figures show portions of the electrical connector system for LED tape lighting, or environmental structure, which form no part of the claimed design.

1 Claim, 17 Drawing Sheets

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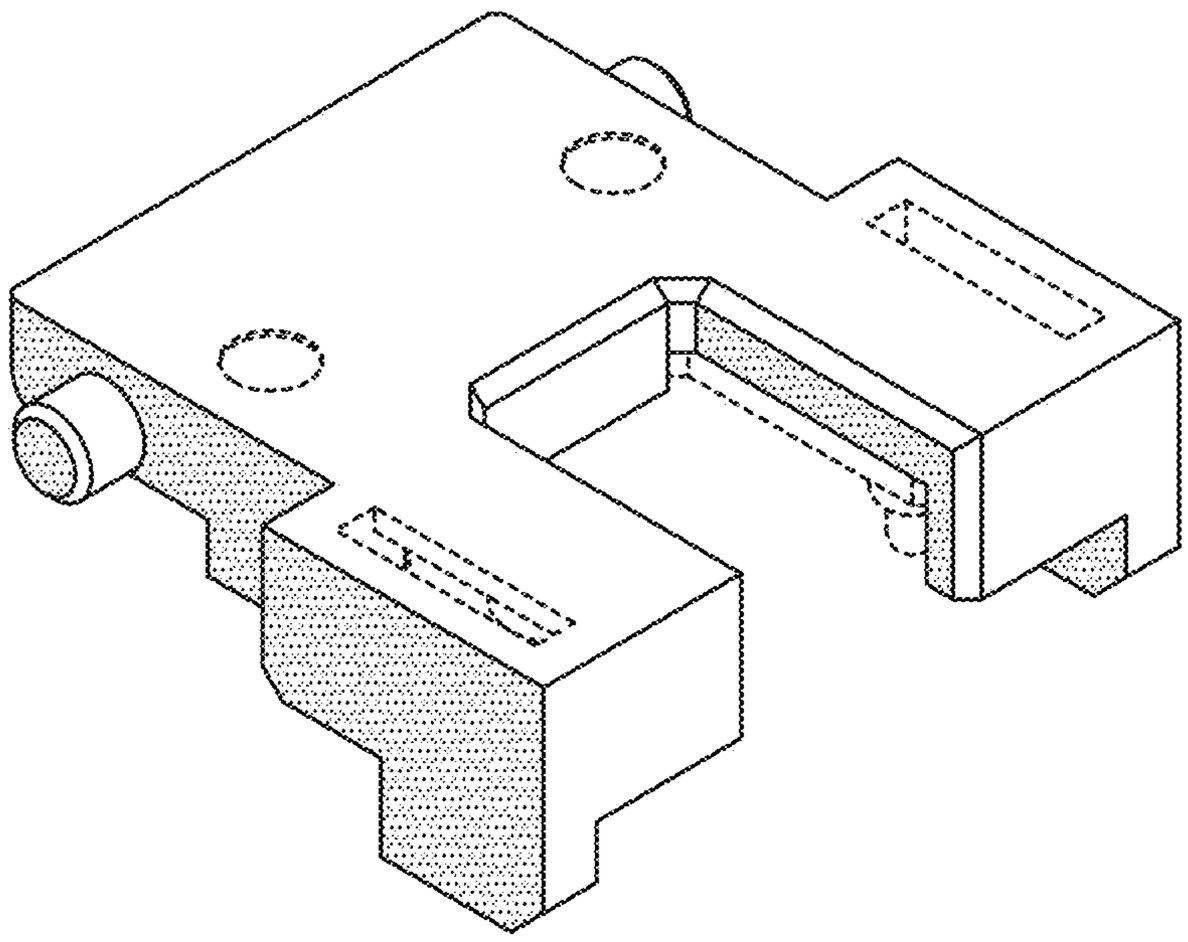


FIG. 1

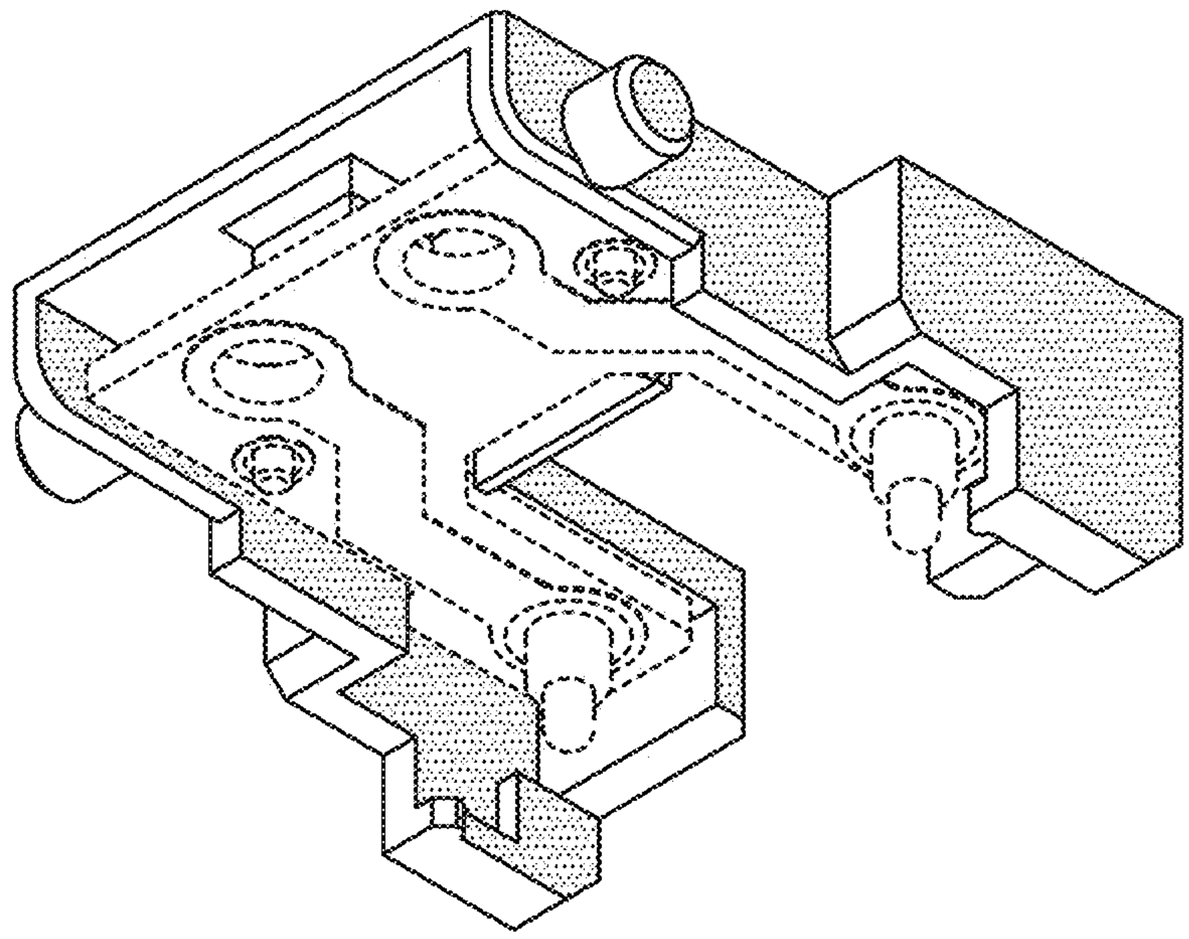


FIG. 2

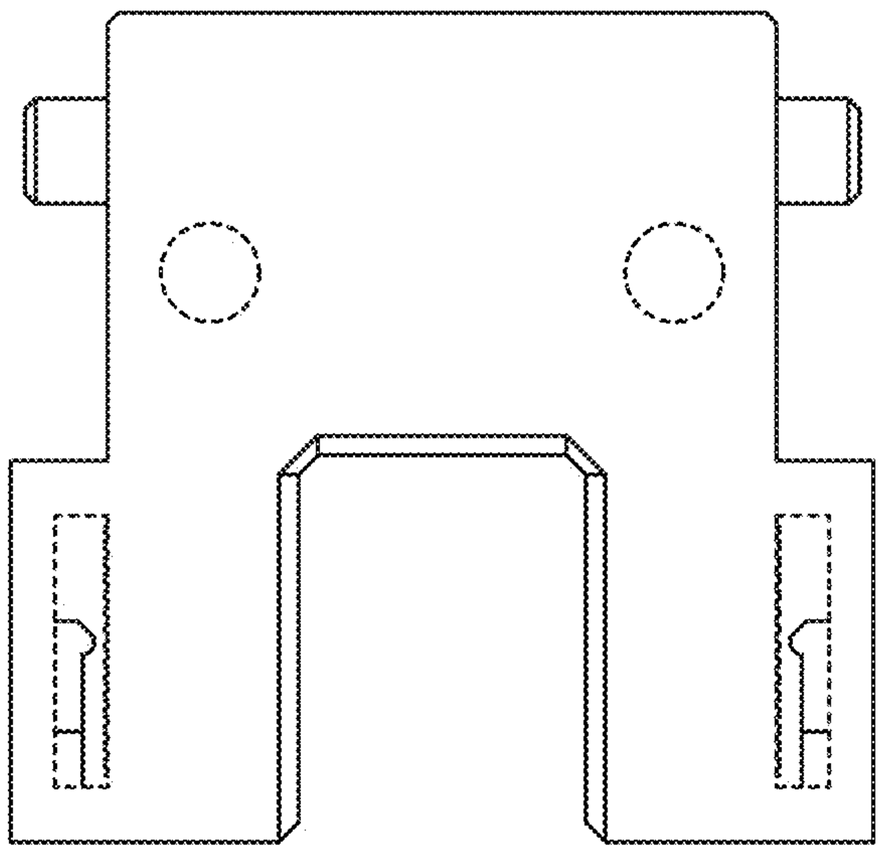


FIG. 3

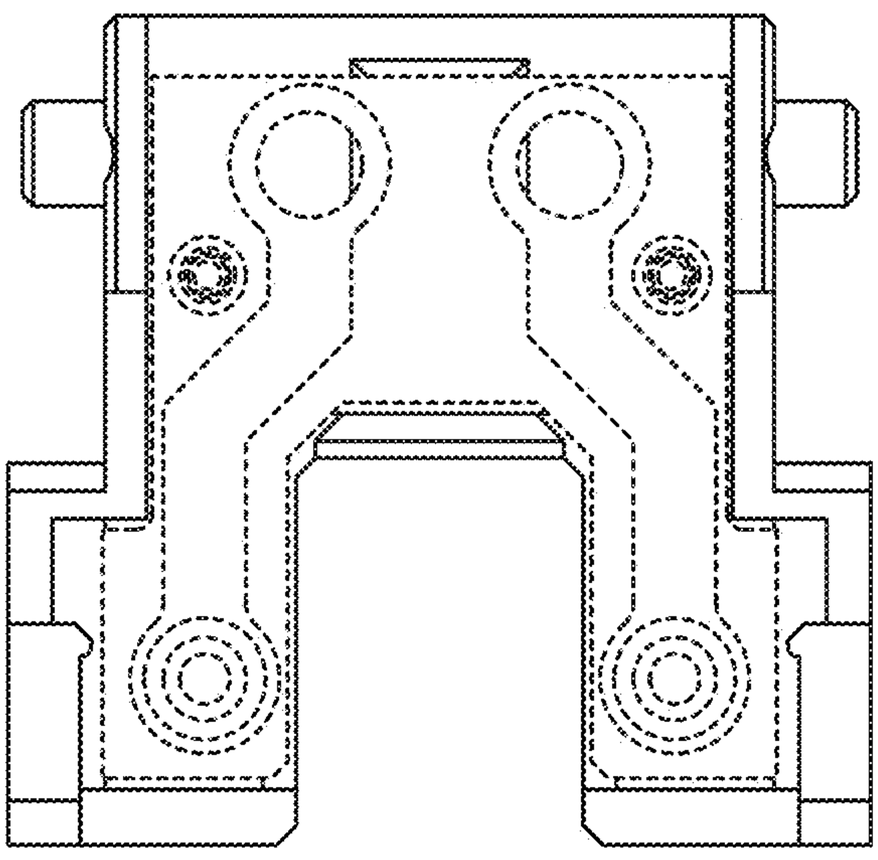


FIG. 4

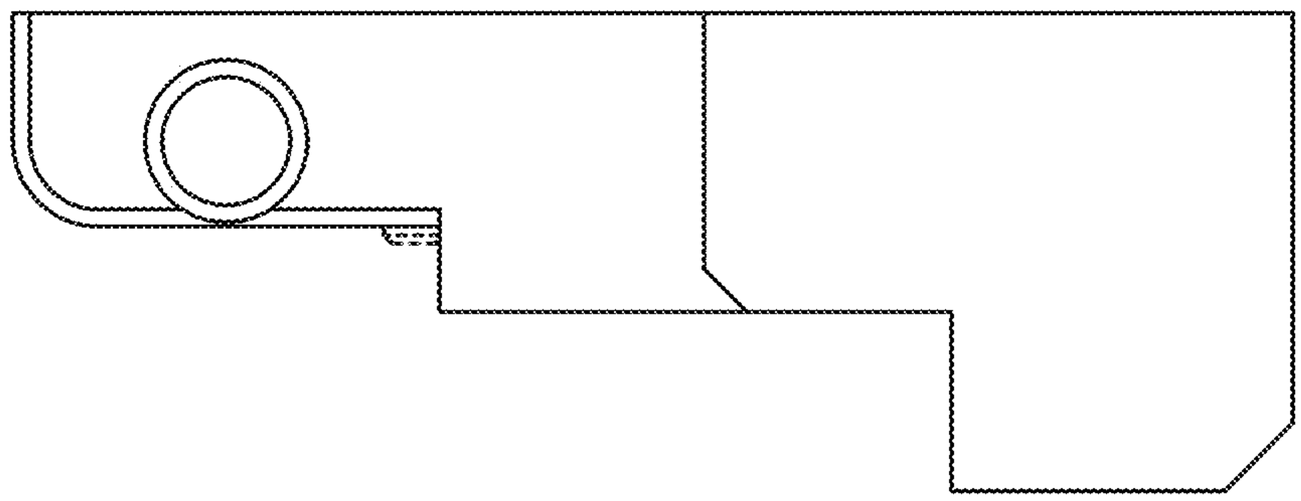
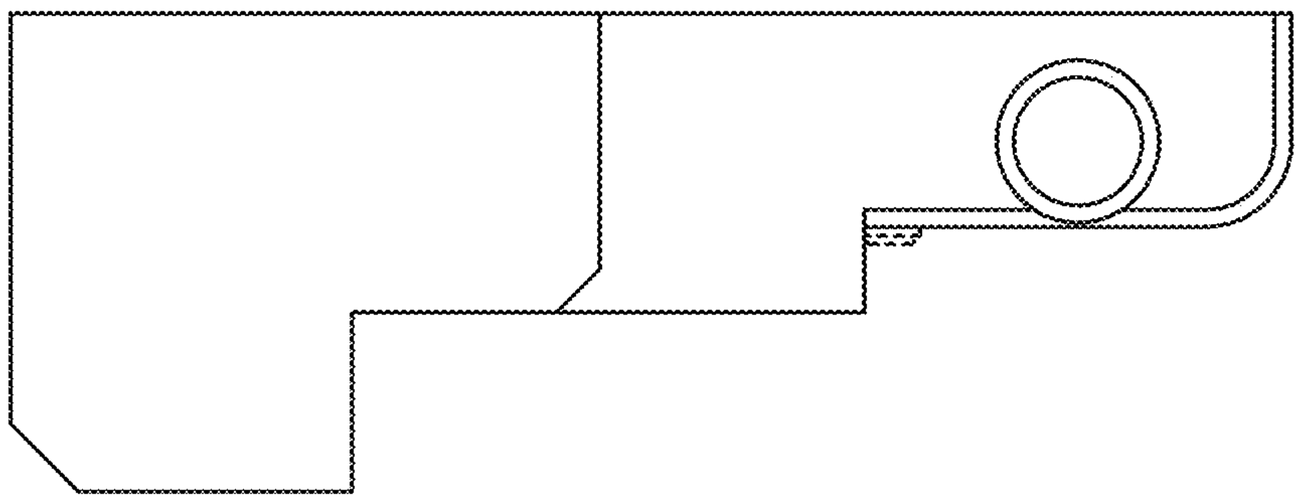


FIG. 5



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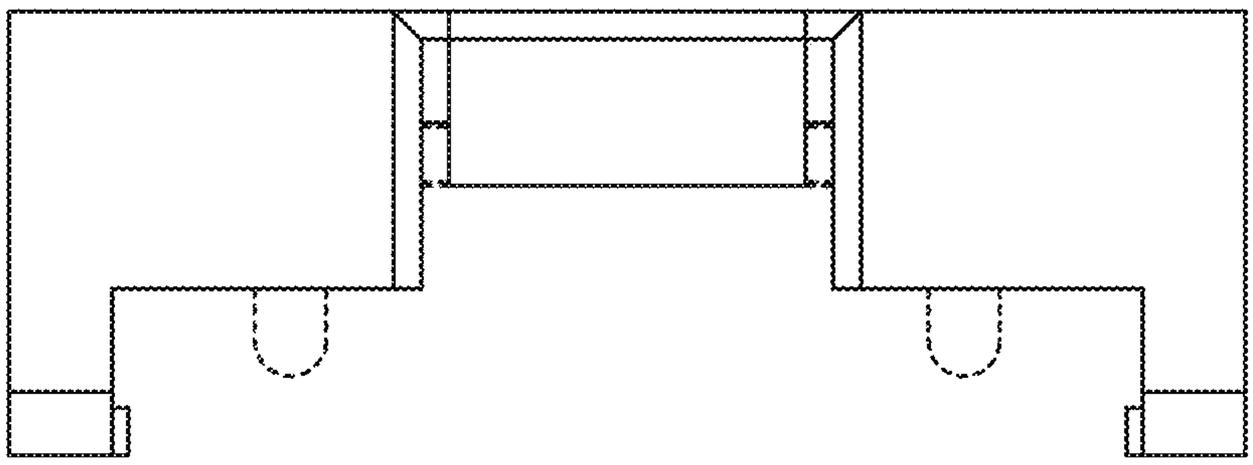

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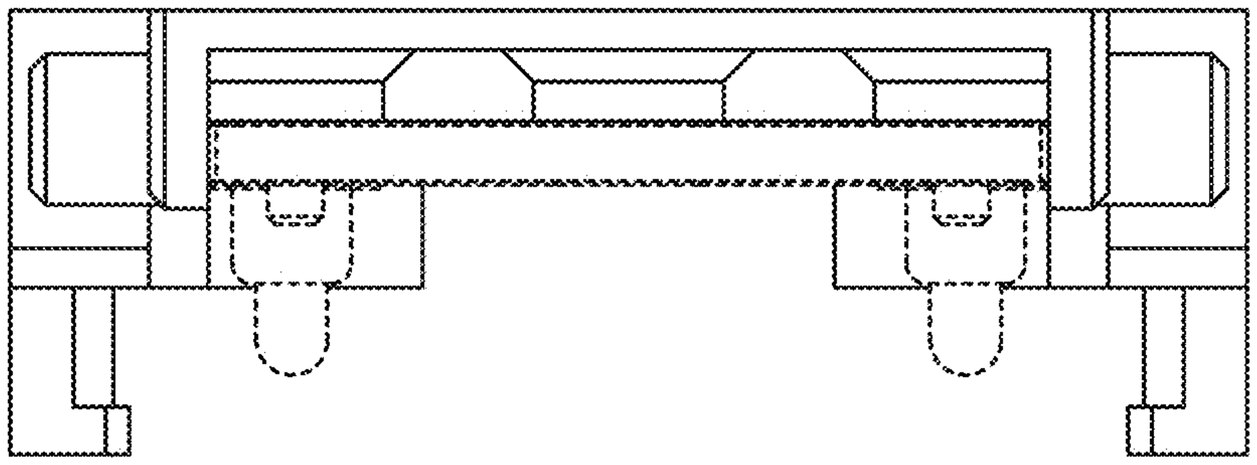


FIG. 8

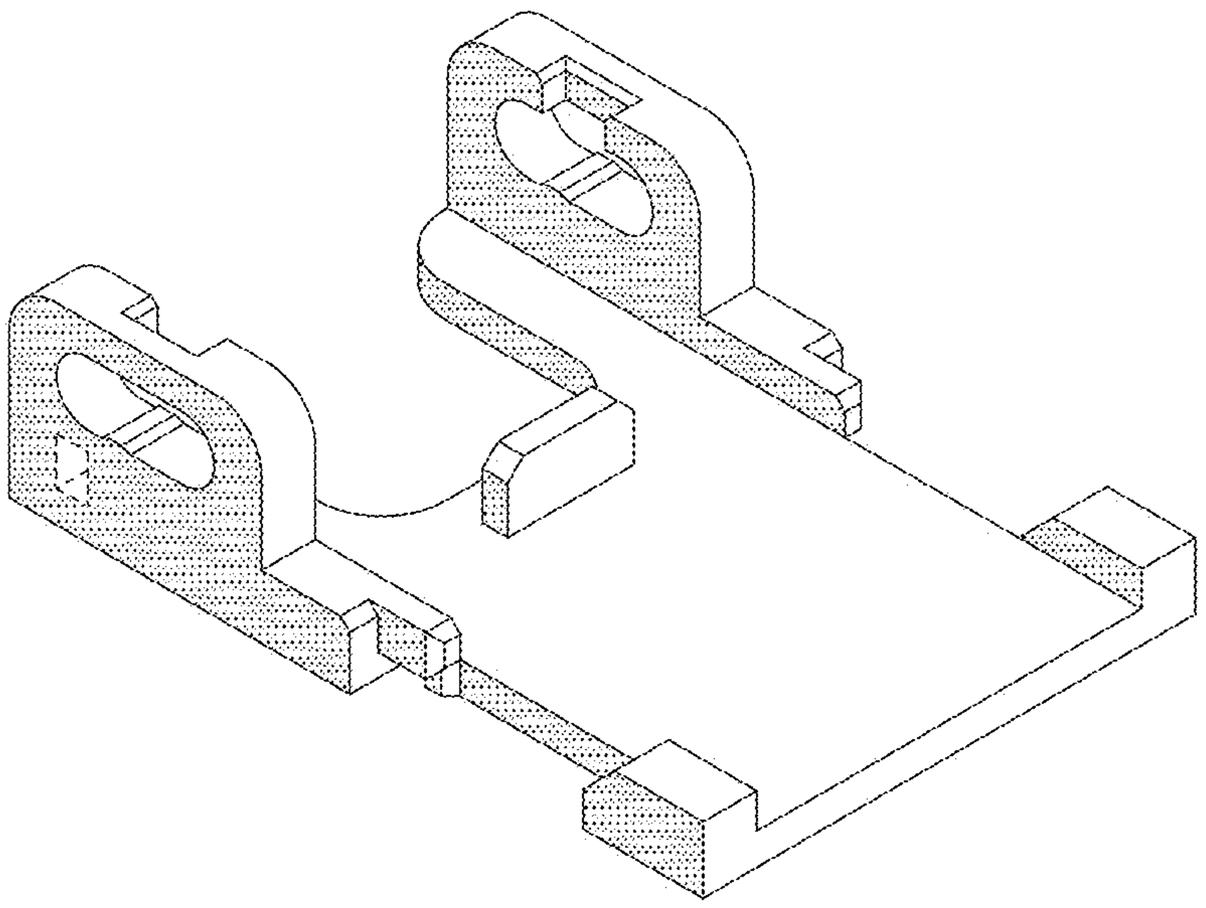


FIG. 9

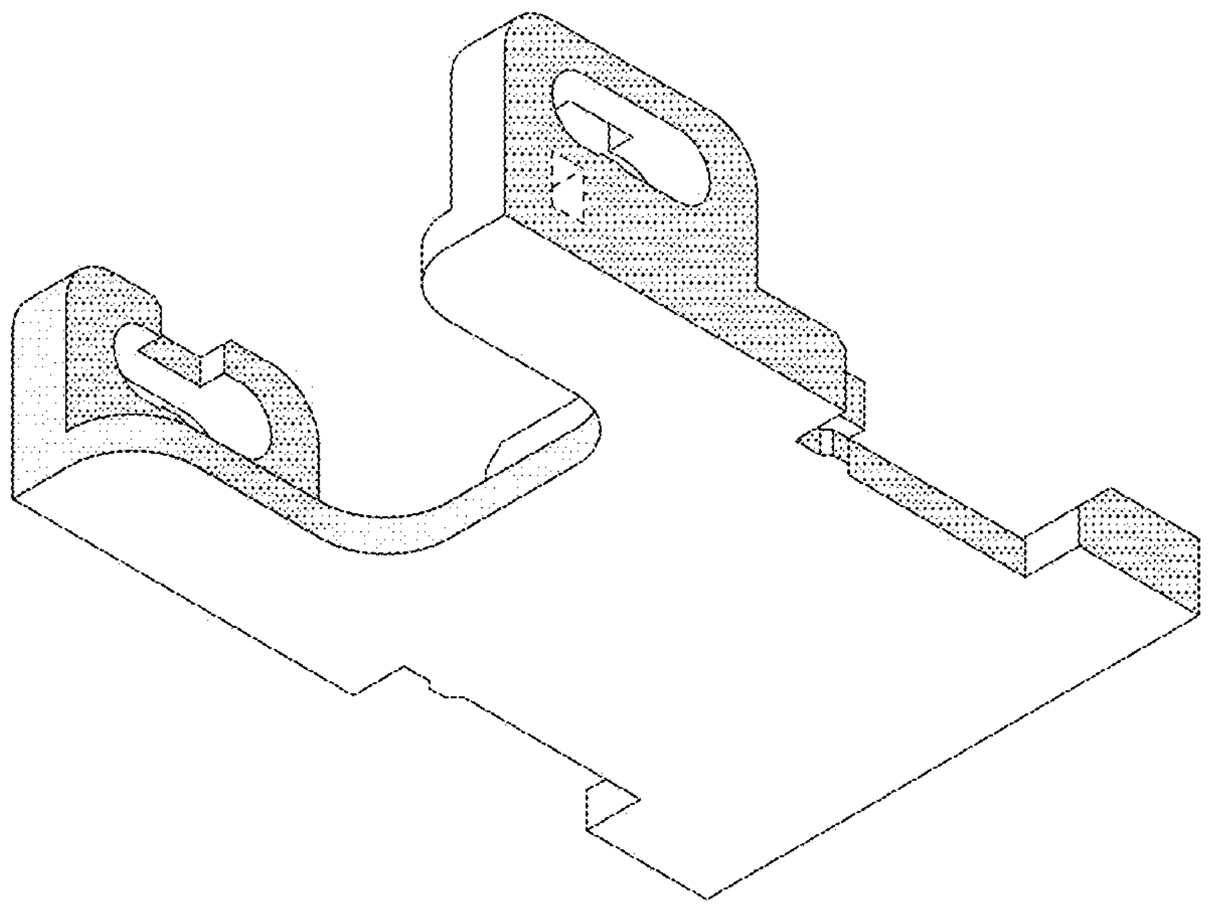
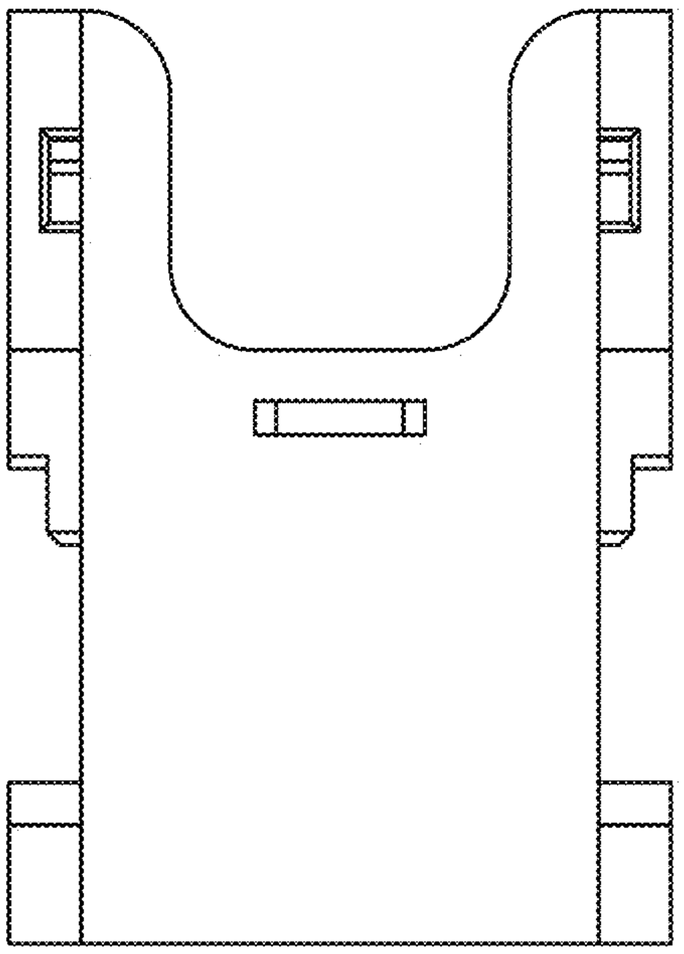


FIG. 10



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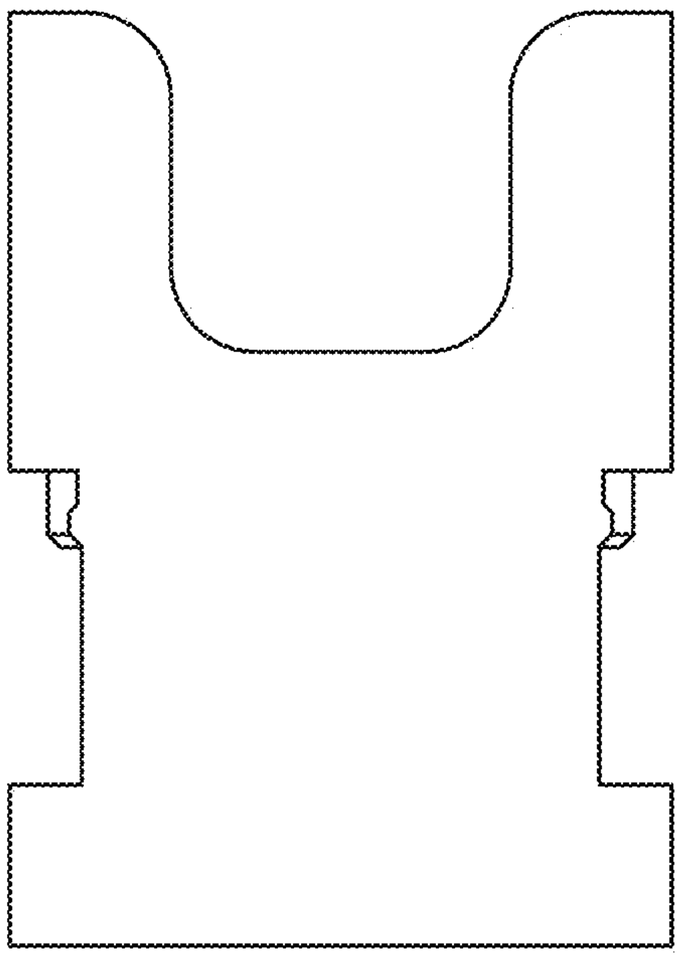

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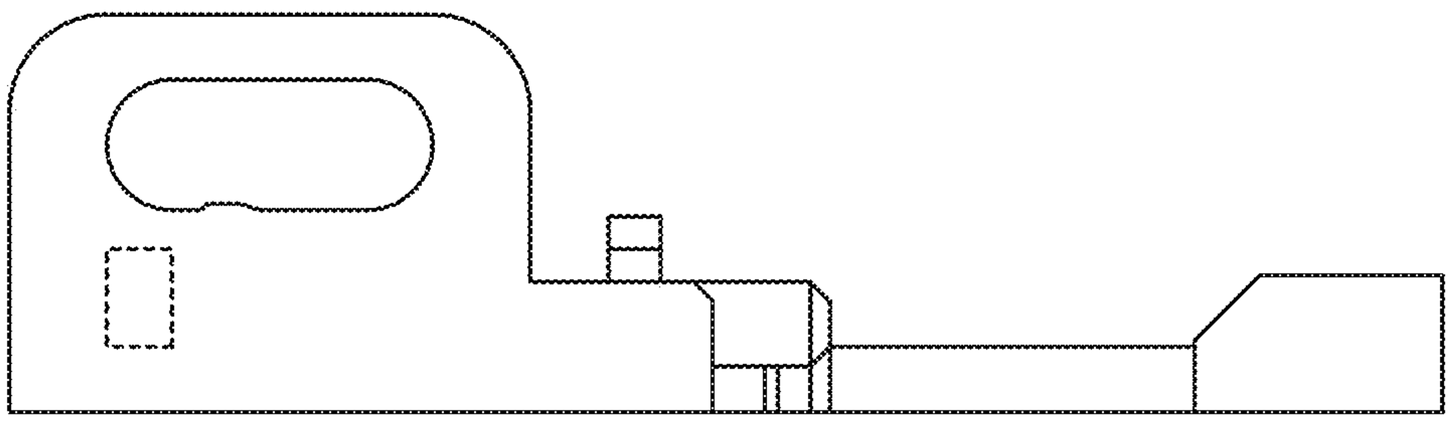

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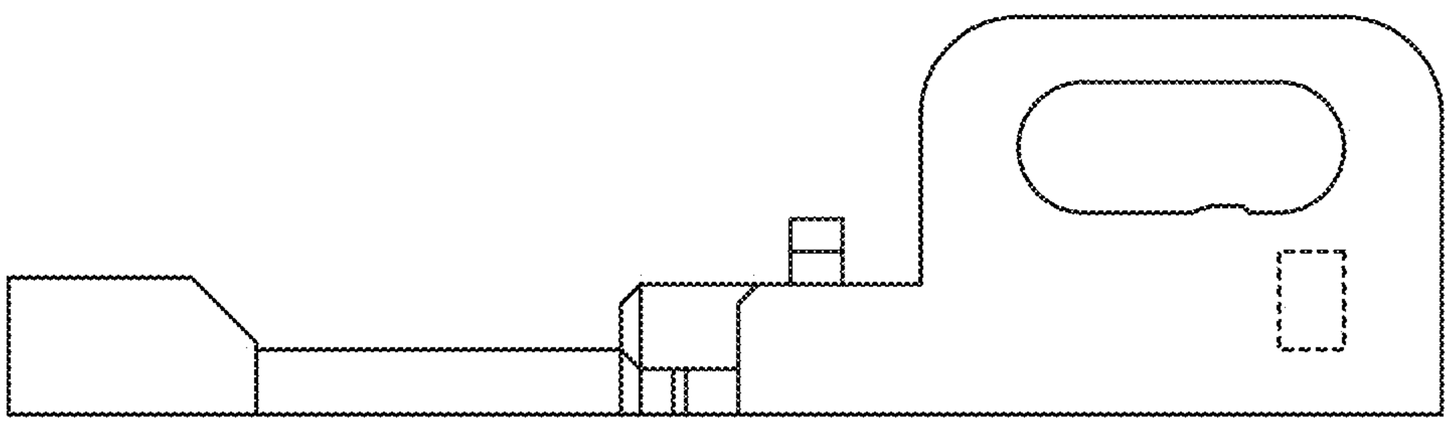


FIG. 14

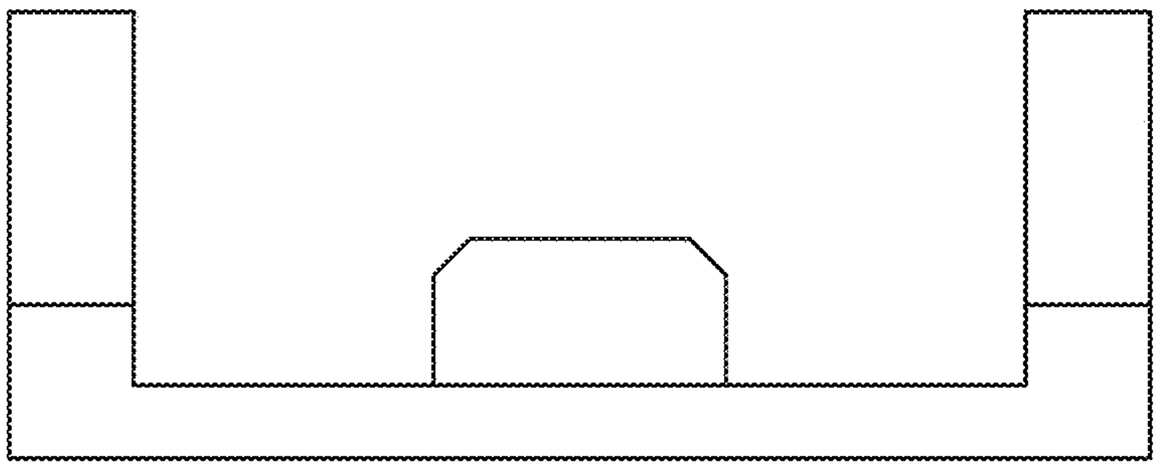


FIG. 15

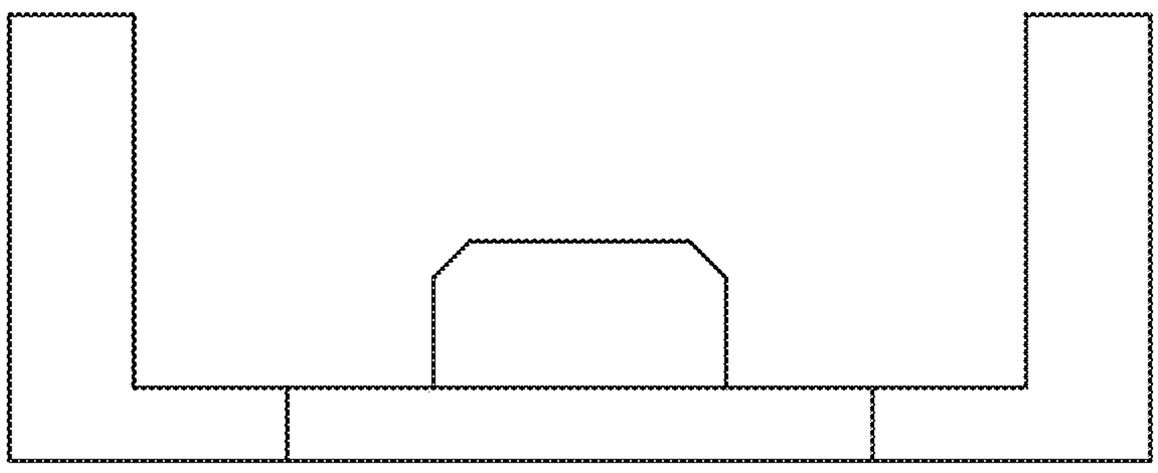


FIG. 16

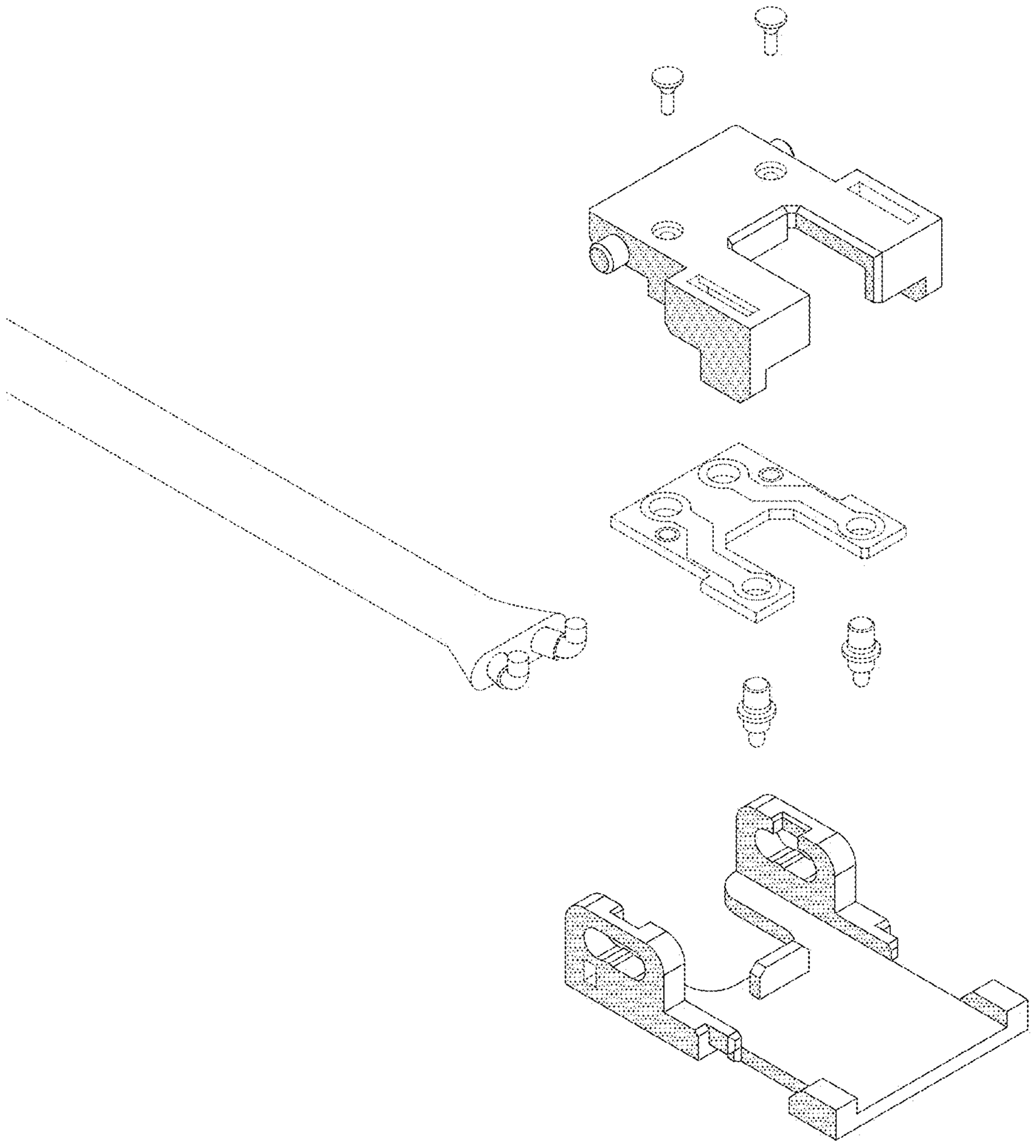


FIG. 17

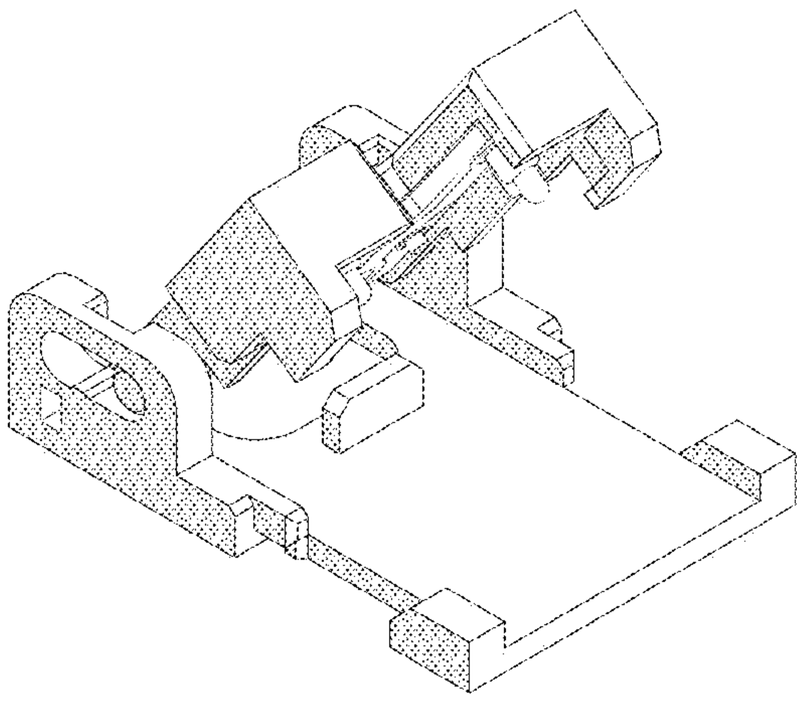


FIG. 18

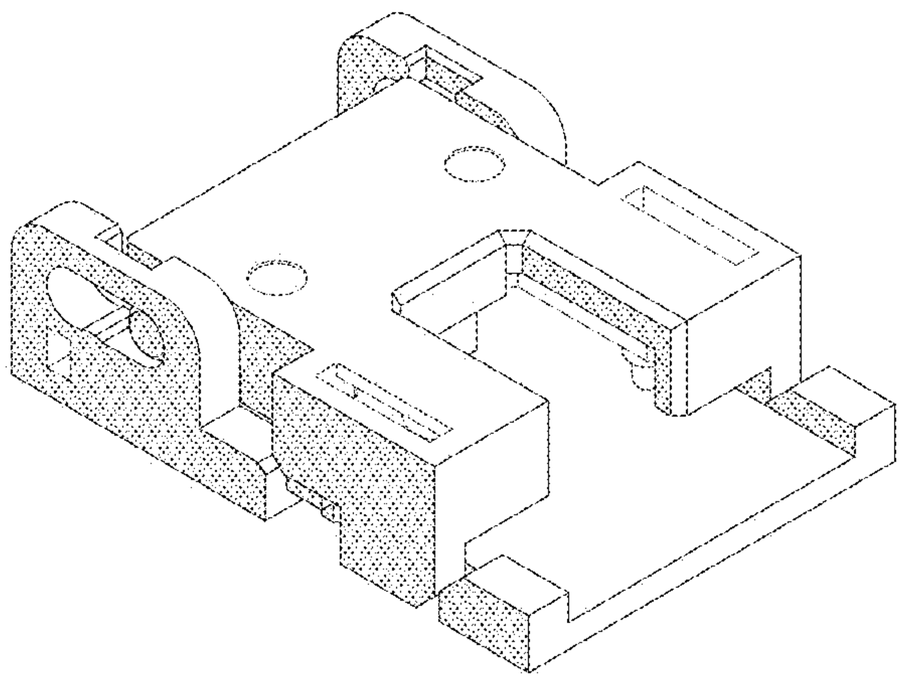


FIG. 19

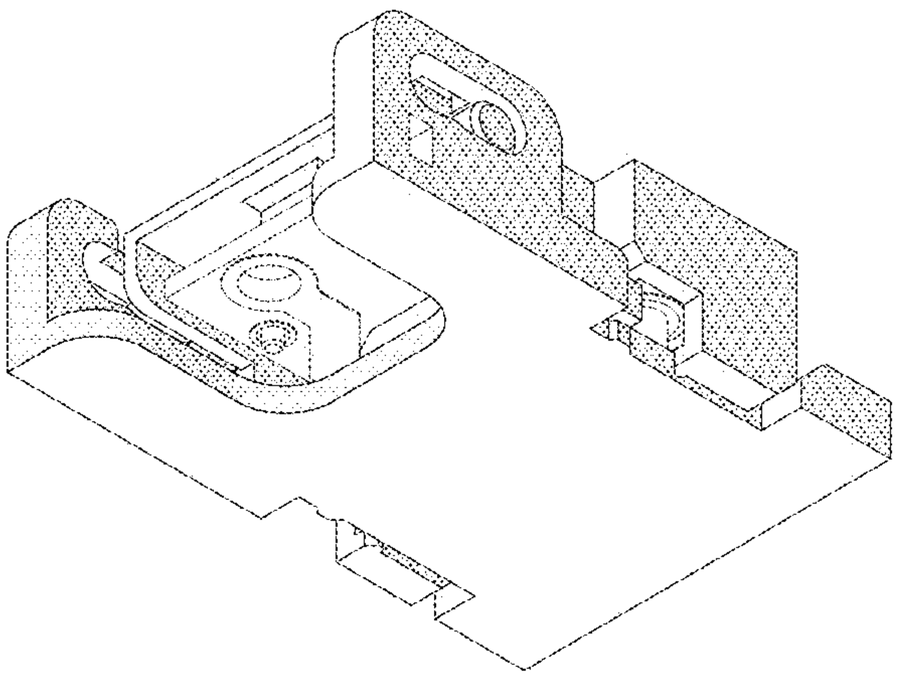


FIG. 20

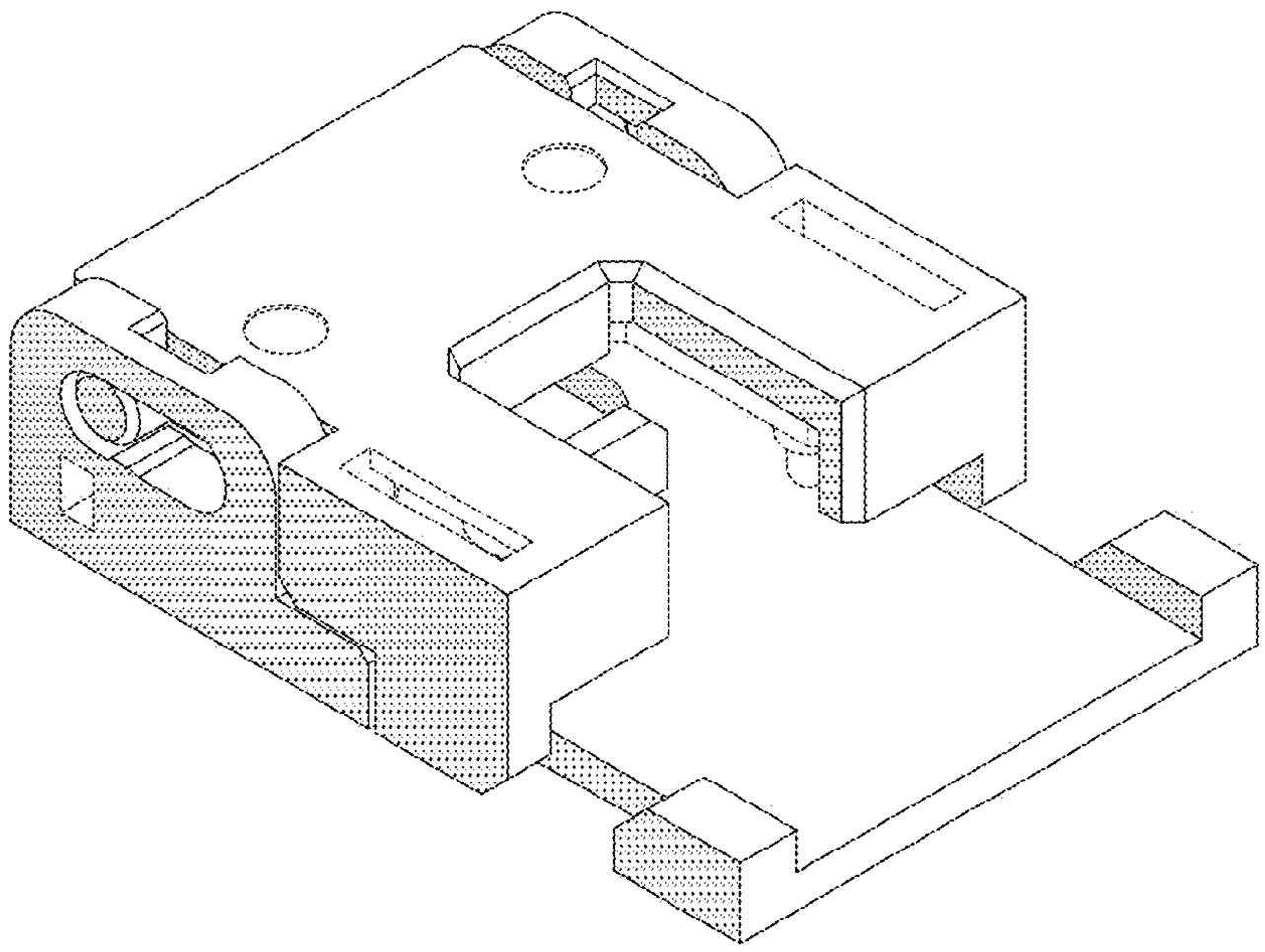


FIG. 21

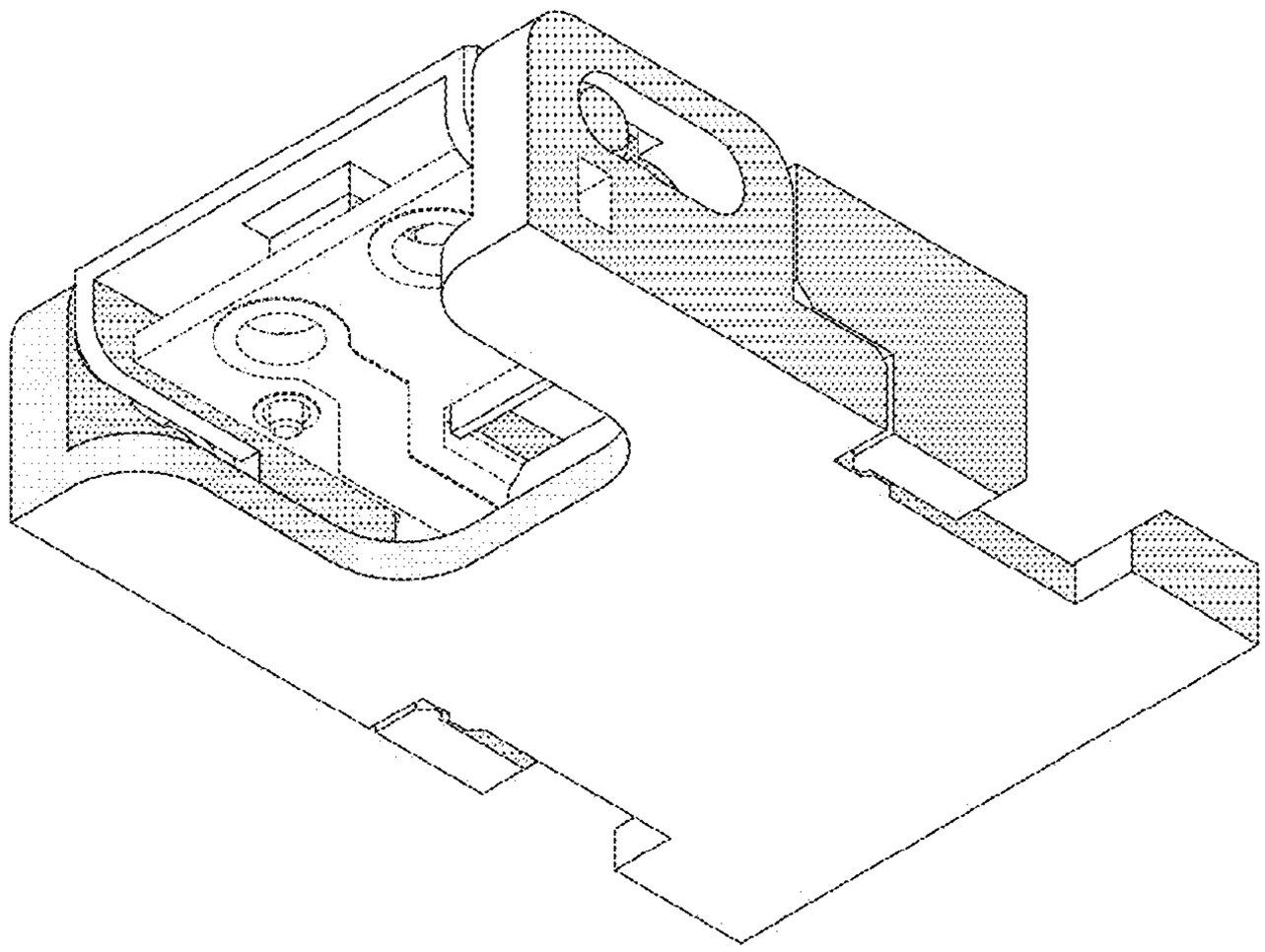


FIG. 22

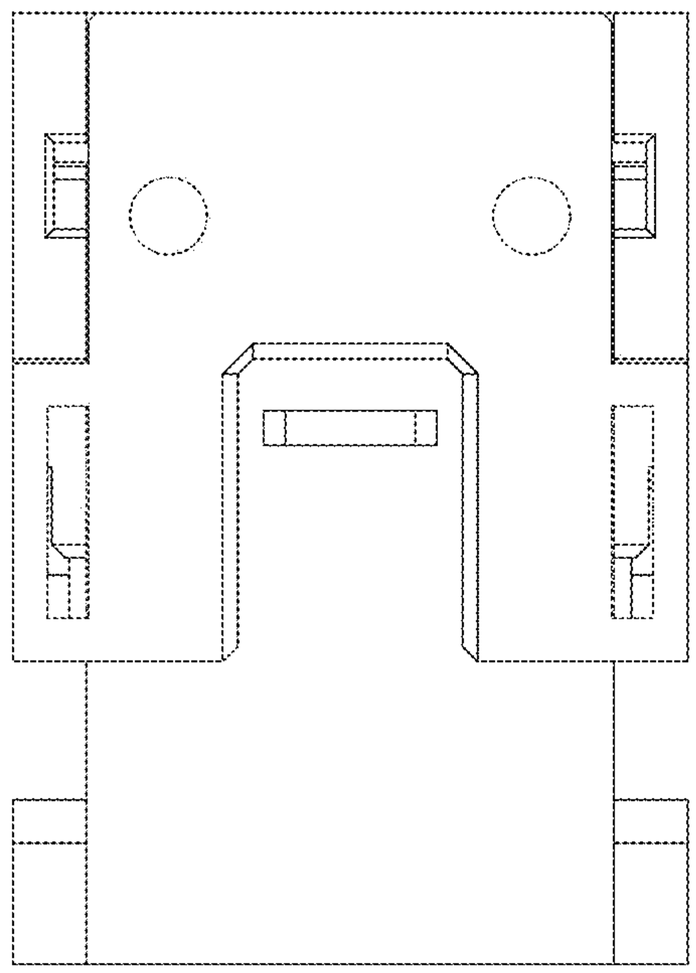


FIG. 23

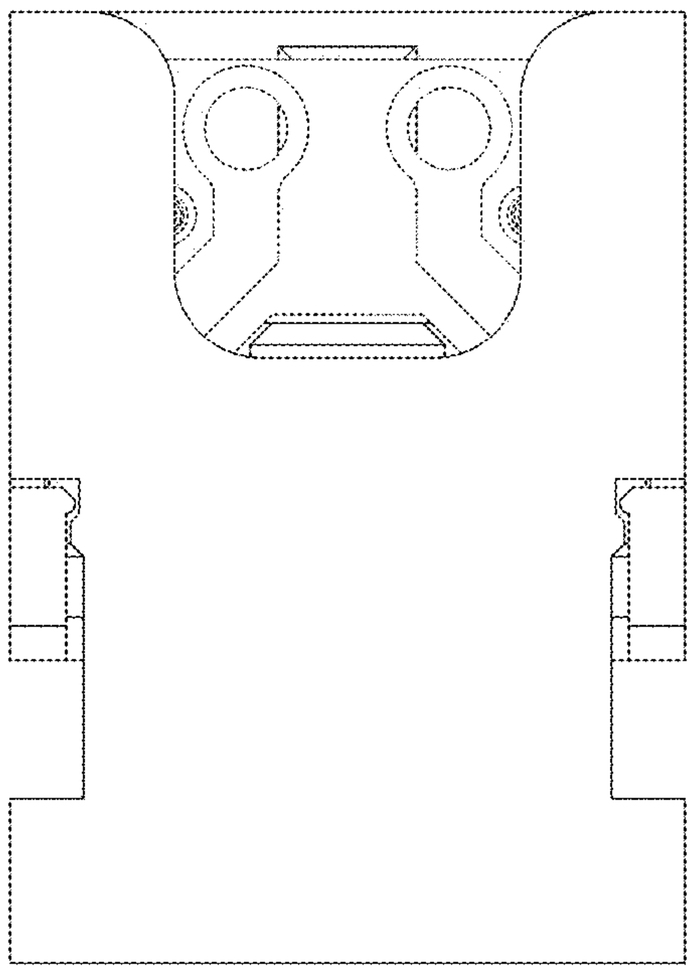


FIG. 24

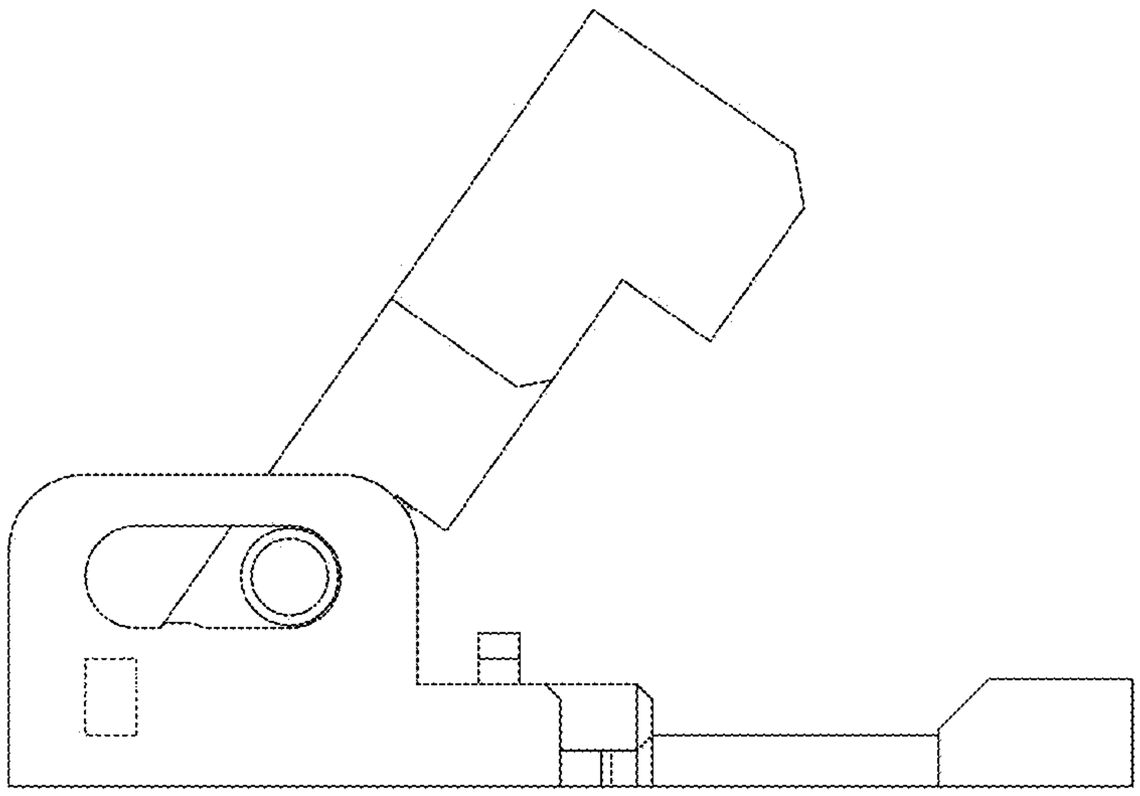


FIG. 25

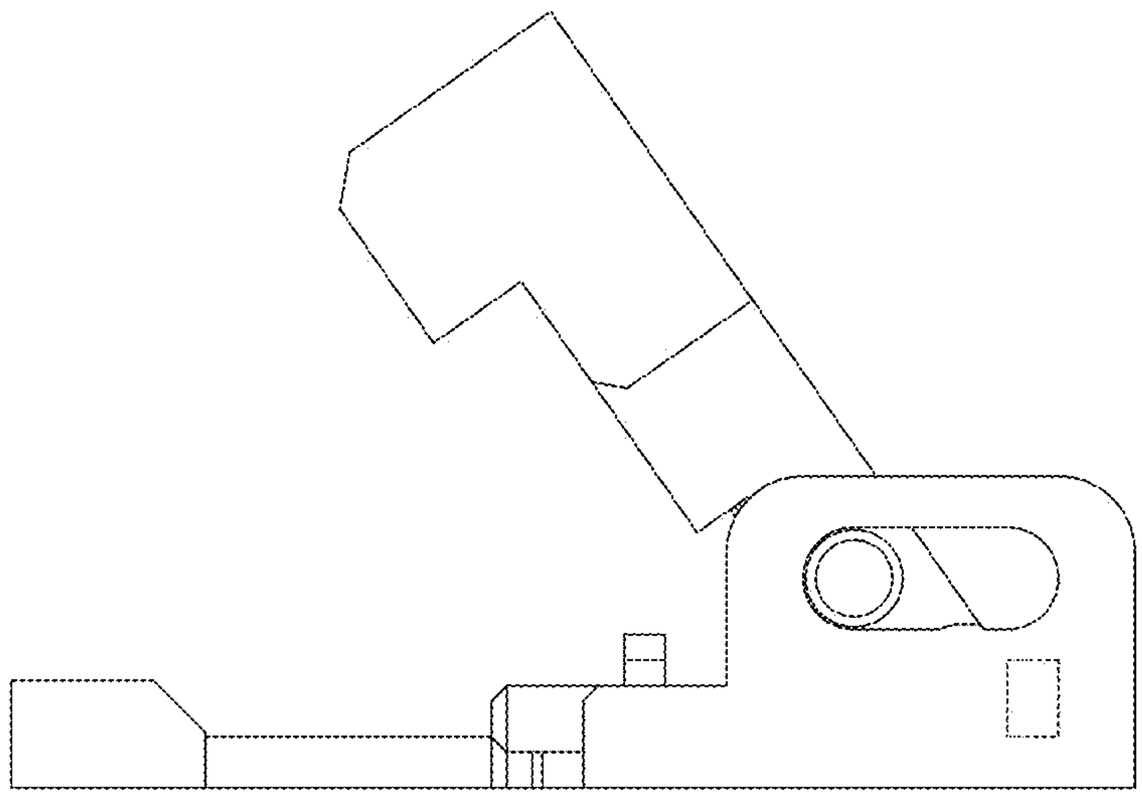
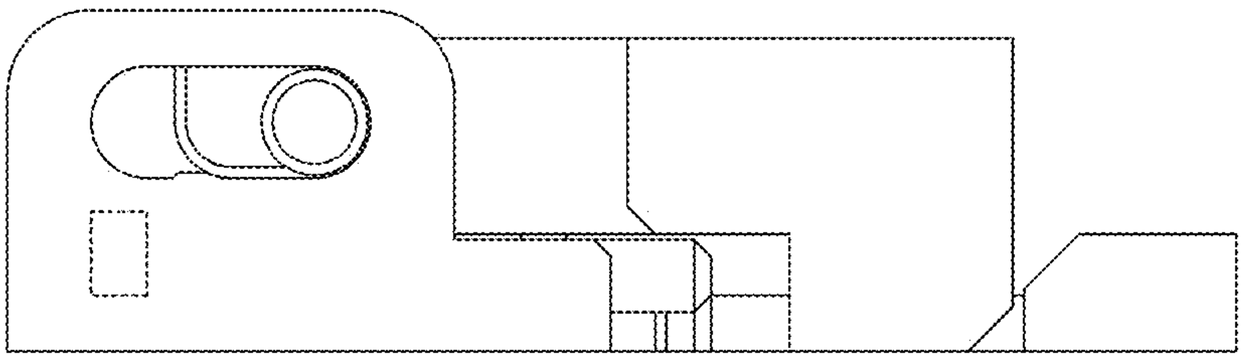


FIG. 26



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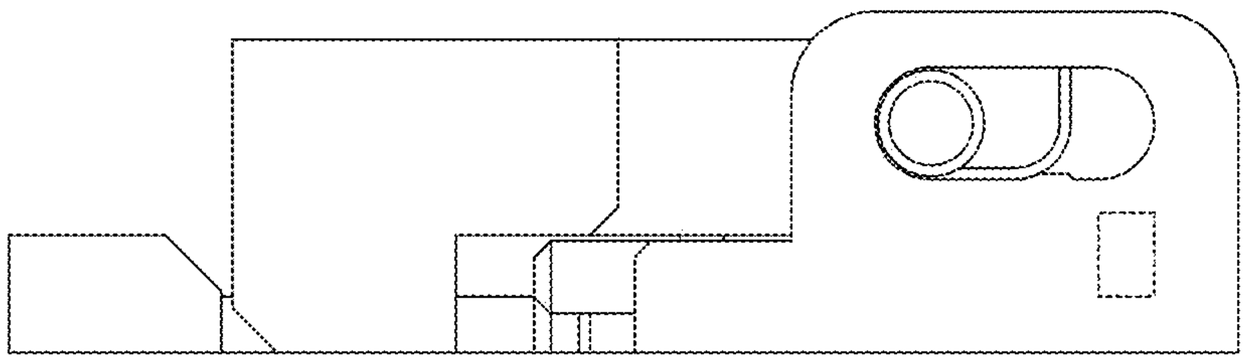

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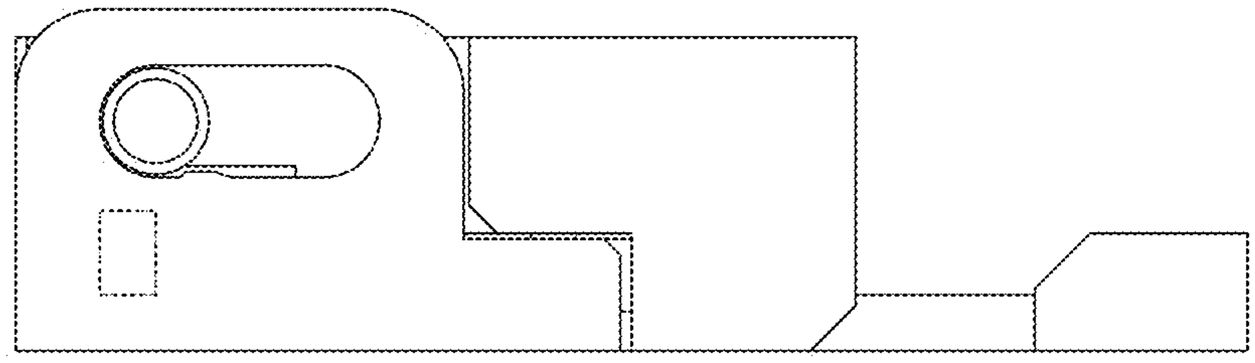

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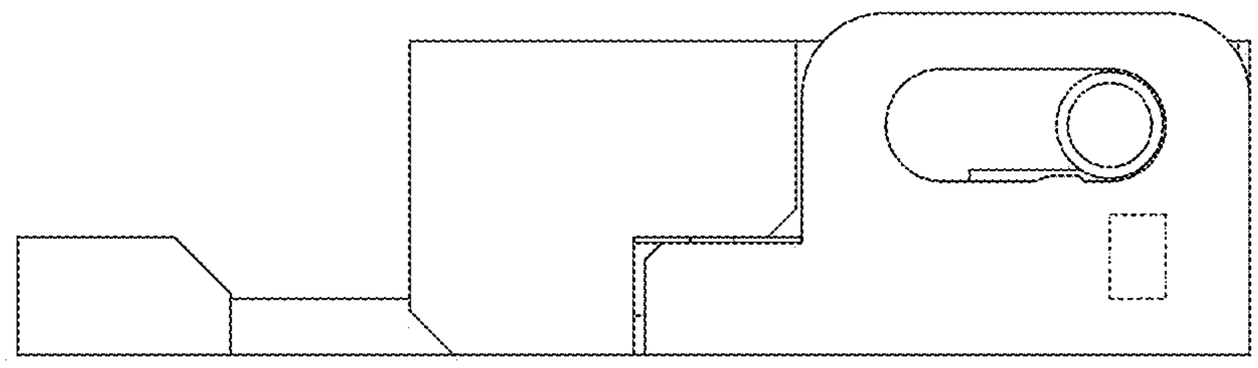

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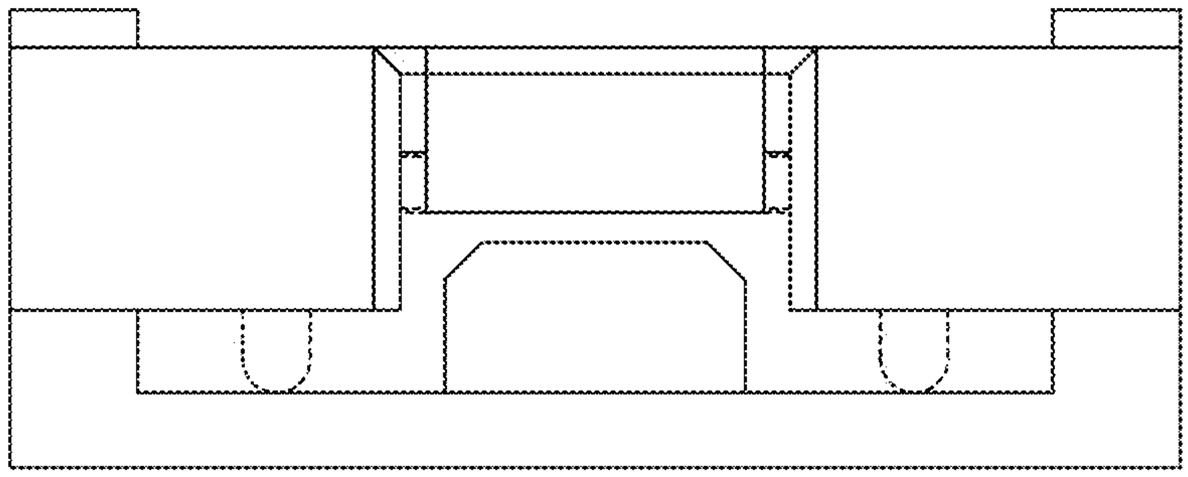

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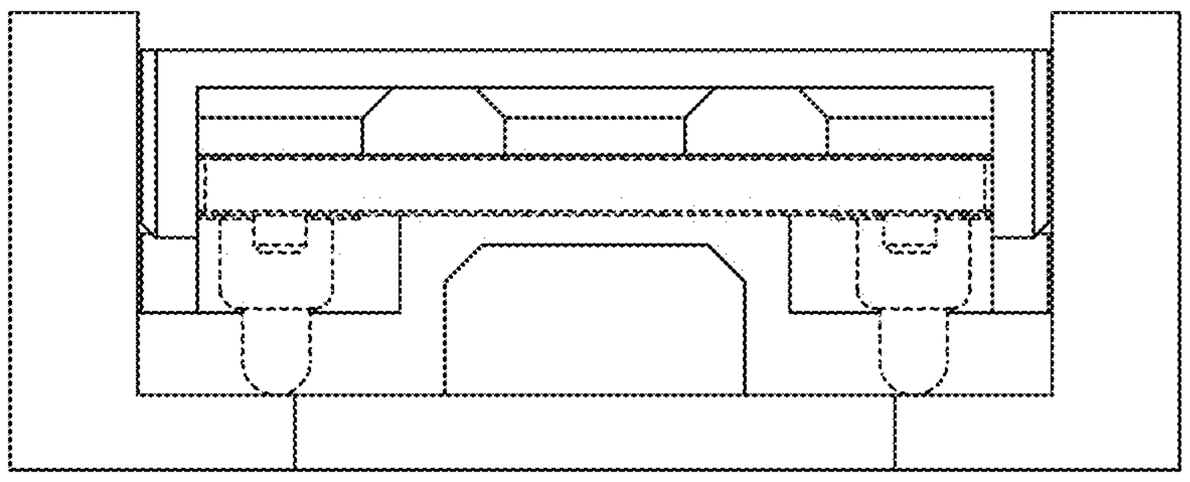

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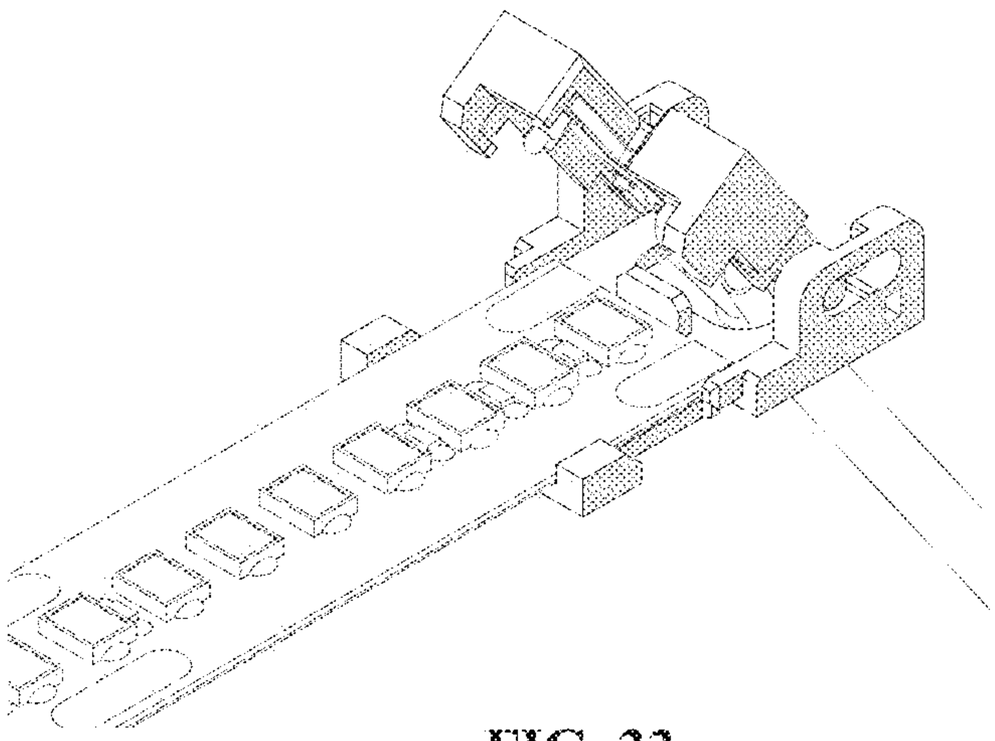
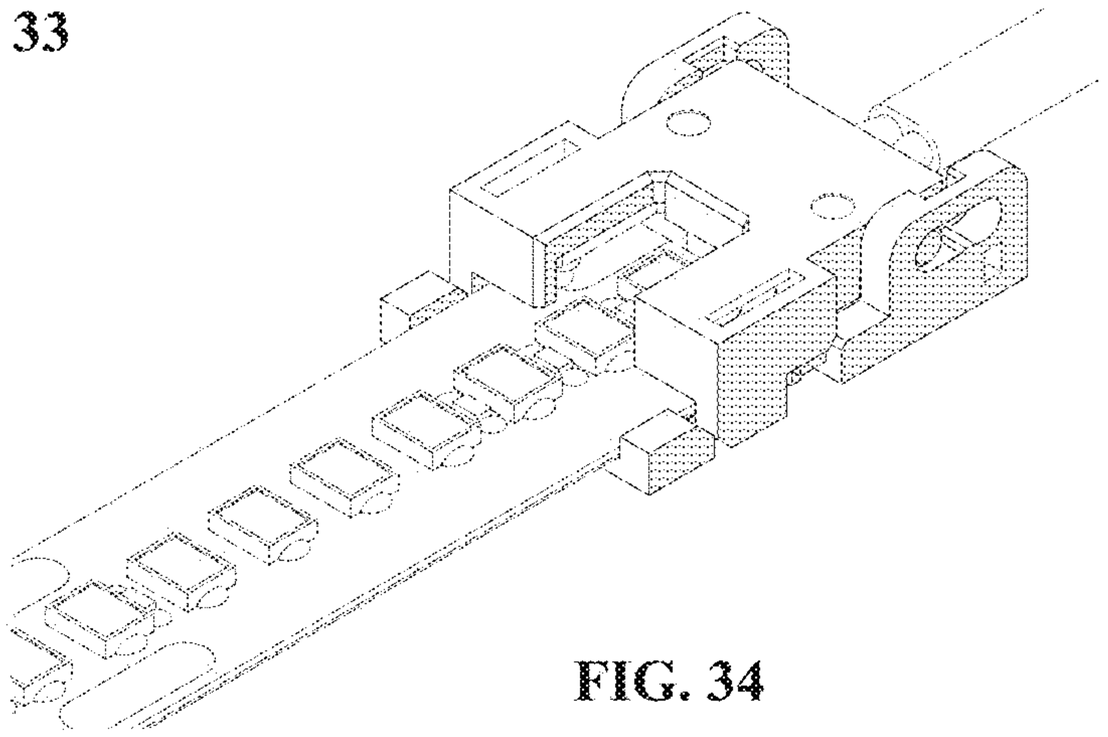


FIG. 33



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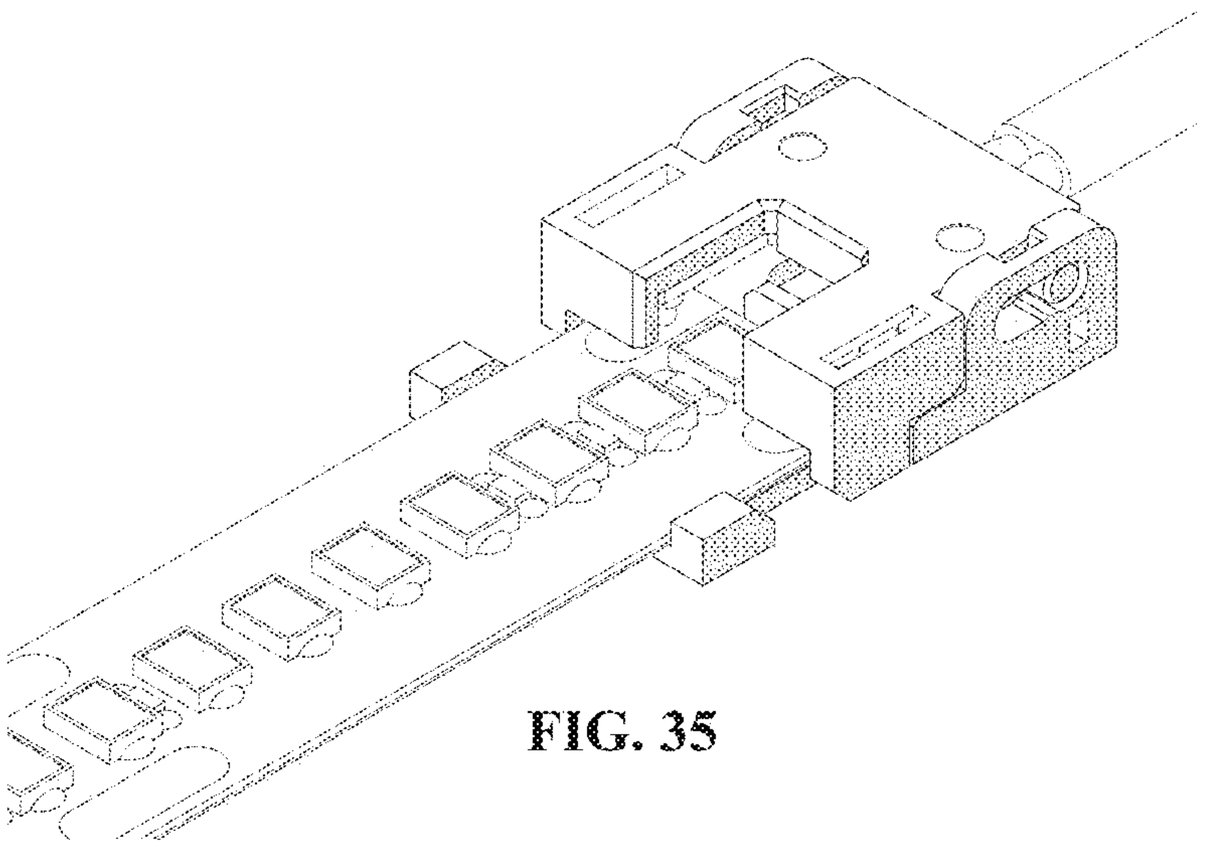

FIG. 35