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(12) **United States Design Patent** (10) **Patent No.:** **US D988,883 S**
Weckman et al. (45) **Date of Patent:** **** Jun. 13, 2023**

(54) **SPRAY SENSOR**

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- (73) Assignee: **Intelligent Agricultural Solutions, LLC**, Fargo, ND (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/869,504**
- (22) Filed: **Jan. 3, 2023**

Related U.S. Application Data

- (63) Continuation of application No. 29/800,668, filed on Jul. 22, 2021, now Pat. No. Des. 978,694.
- (51) **LOC (14) Cl.** **10-05**
- (52) **U.S. Cl.**
USPC **D10/96**
- (58) **Field of Classification Search**
USPC D10/40, 85, 96, 97, 99, 101, 102, 103; D13/158; D15/13; D23/206, 233, 235, D23/239, 244, 245; D24/129
CPC . G01F 25/10; G01F 15/14; G01F 1/58; G01F 1/8409; G01F 1/00; G01F 1/3218; G01F 1/26; G01F 23/14; G01F 25/0092; A01G 25/165

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|--------------|----|---|---------|------------|-------|------------|
| D278,316 | S | * | 4/1985 | Bengtson | ..... | D10/96 |
| D460,526 | S | * | 7/2002 | Weingarten | ..... | D23/244 |
| D568,255 | S | * | 5/2008 | Kurisasi | ..... | D13/158 |
| D604,805 | S | * | 11/2009 | Samborn | ..... | D23/233 |
| D682,715 | S | * | 5/2013 | Wang | ..... | D10/40 |
| D812,504 | S | * | 3/2018 | Headley | ..... | D10/96 |
| D832,123 | S | * | 10/2018 | Nakai | ..... | D10/96 |
| D850,960 | S | * | 6/2019 | Headley | ..... | D10/96 |
| D902,061 | S | * | 11/2020 | Dabule | ..... | D10/99 |
| D929,544 | S | * | 8/2021 | Okawara | ..... | D23/233 |
| D978,695 | S | * | 2/2023 | van Harten | ..... | D10/99 |
| 2023/0023497 | A1 | * | 1/2023 | Maurer | ..... | G01F 1/115 |
| 2023/0025158 | A1 | * | 1/2023 | Maurer | ..... | G01F 1/103 |

* cited by examiner

Primary Examiner — George D. Kirschbaum

Assistant Examiner — Lillian Windham

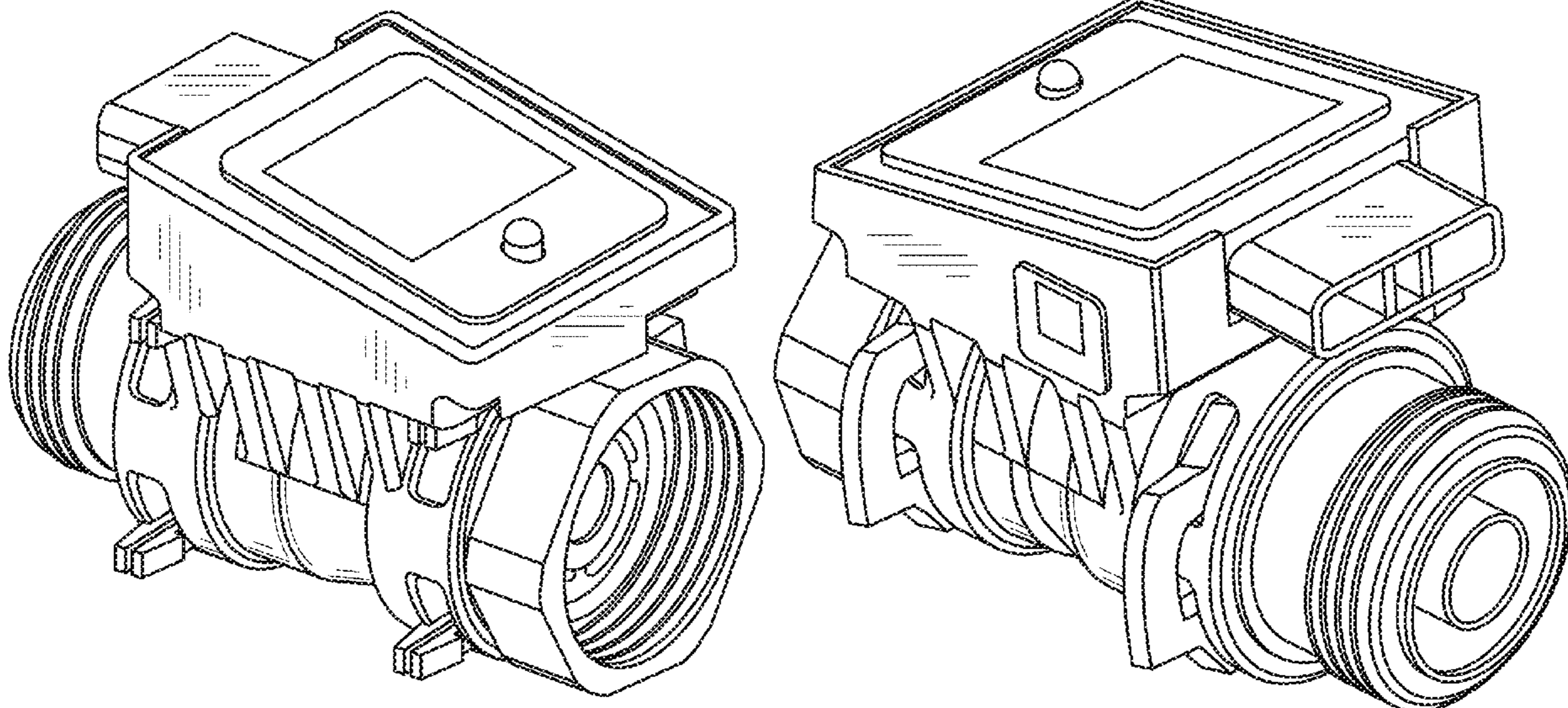
(57) **CLAIM**

The ornamental design for a spray sensor, as shown and described.

DESCRIPTION

FIG. 1 is a left front perspective view;
 FIG. 2 is a right front perspective view;
 FIG. 3 is a right rear perspective view;
 FIG. 4 is a left rear perspective view;
 FIG. 5 is a top plan view;
 FIG. 6 is a bottom plan view;
 FIG. 7 is a front elevational view; and,
 FIG. 8 is a rear elevational view.

1 Claim, 8 Drawing Sheets



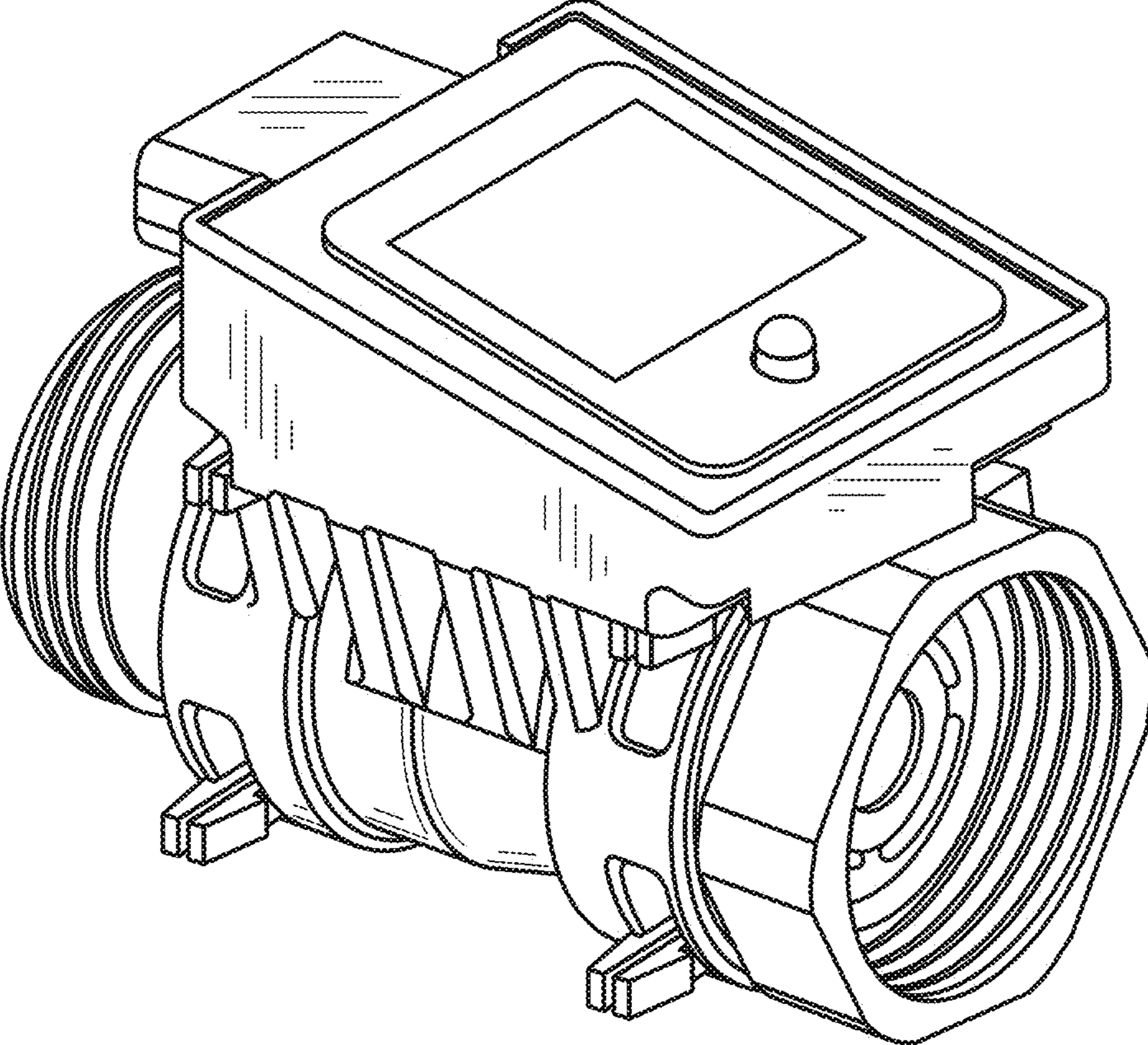


FIG.1

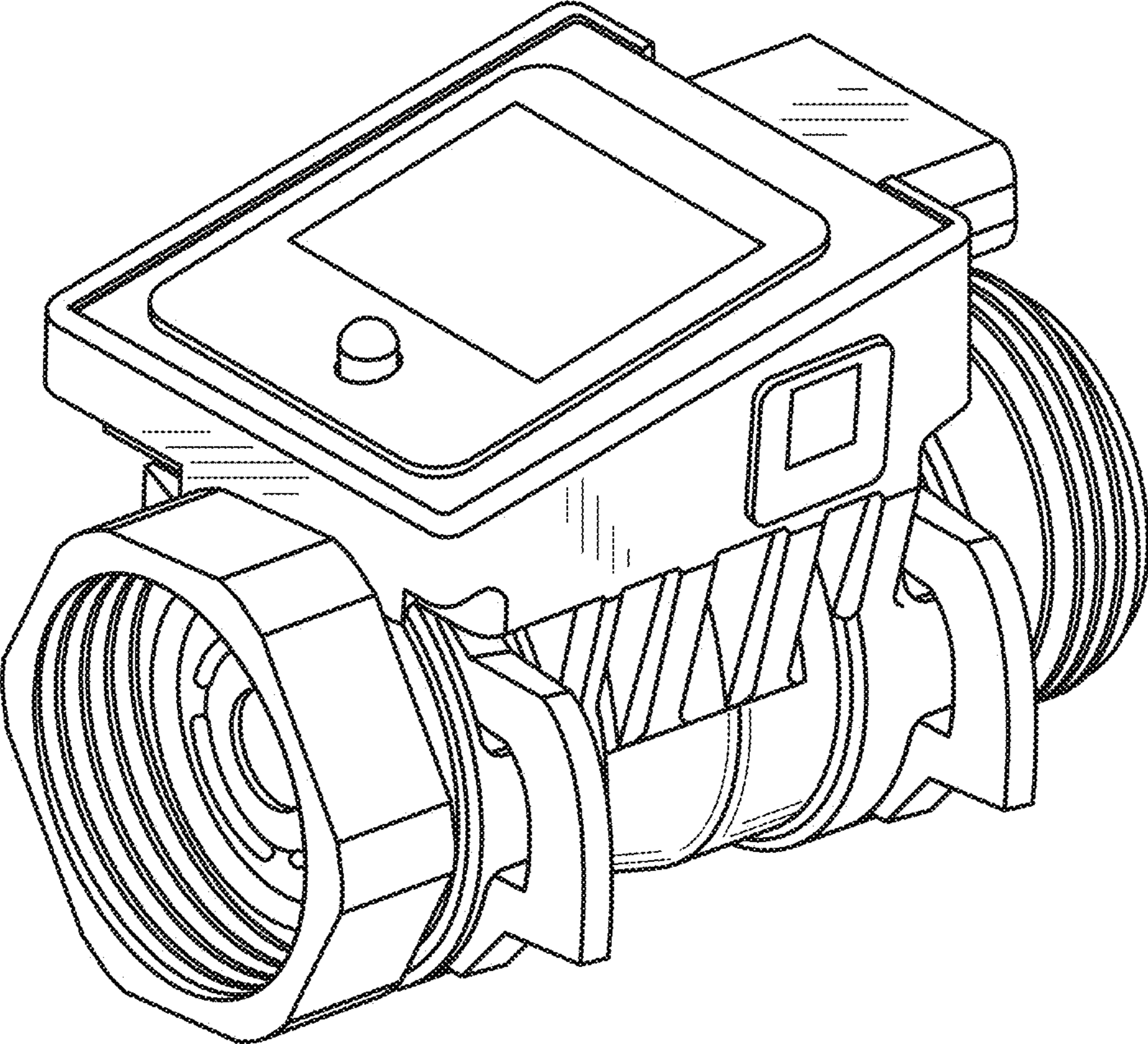


FIG. 2

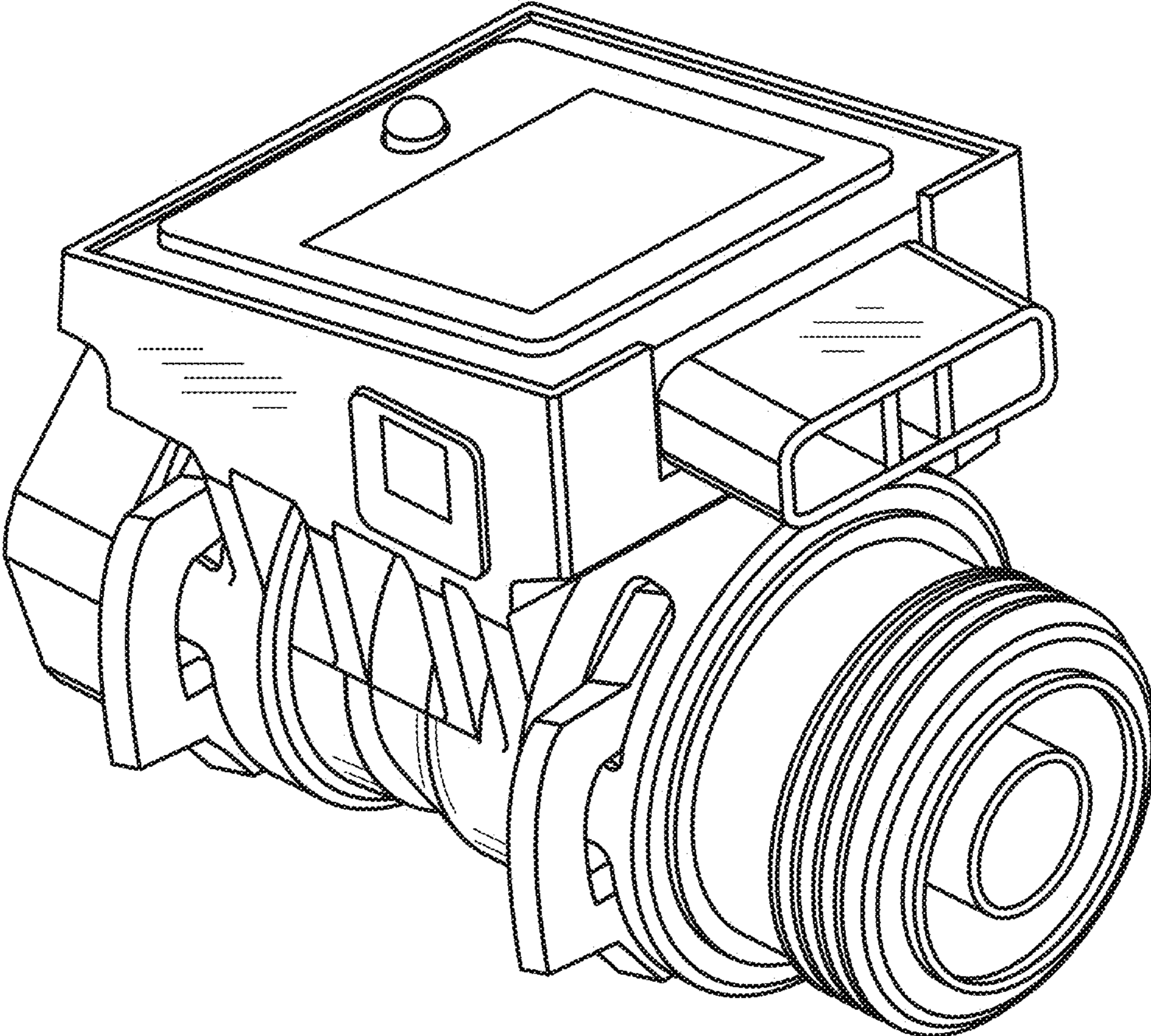


FIG. 3

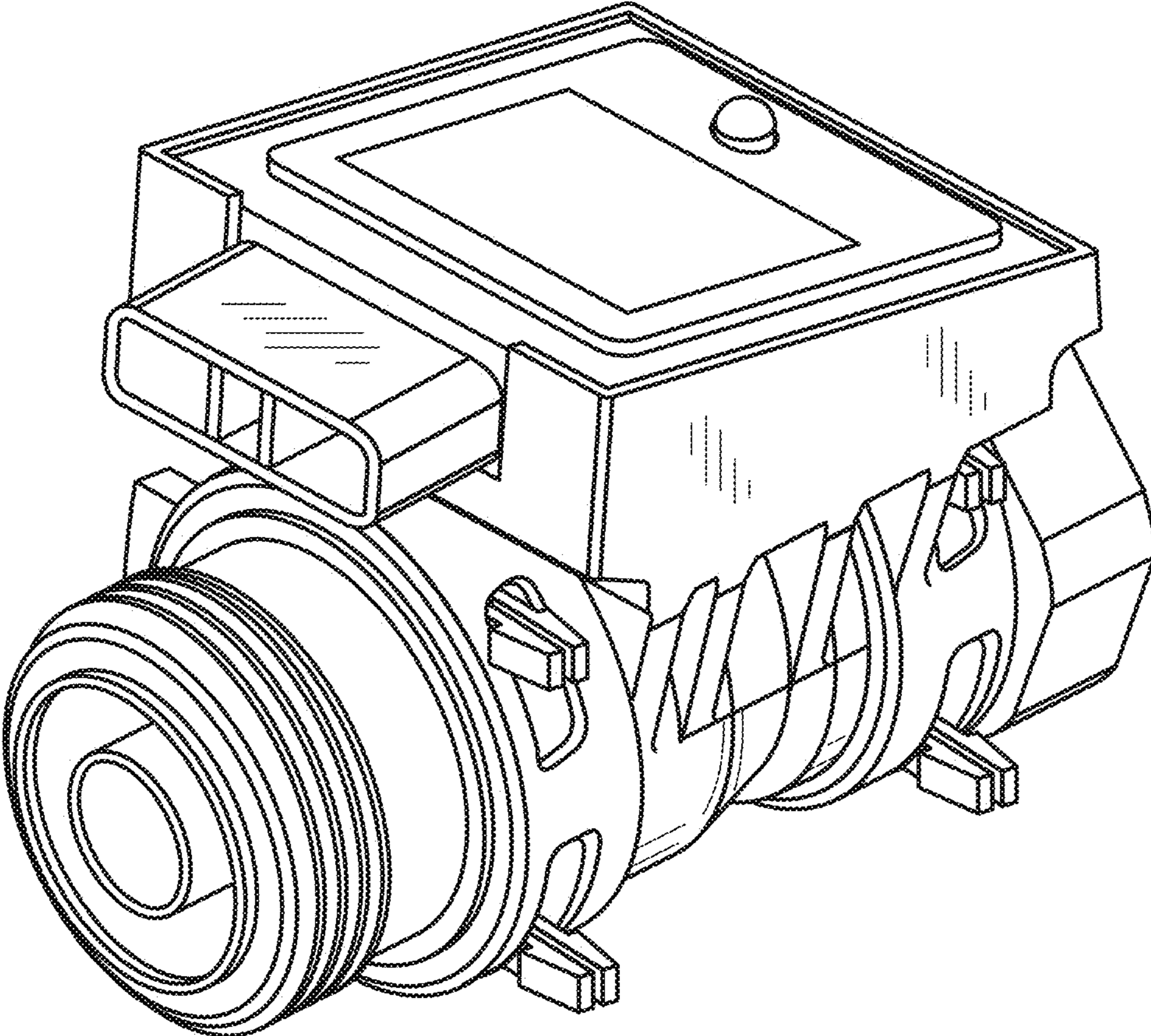


FIG. 4

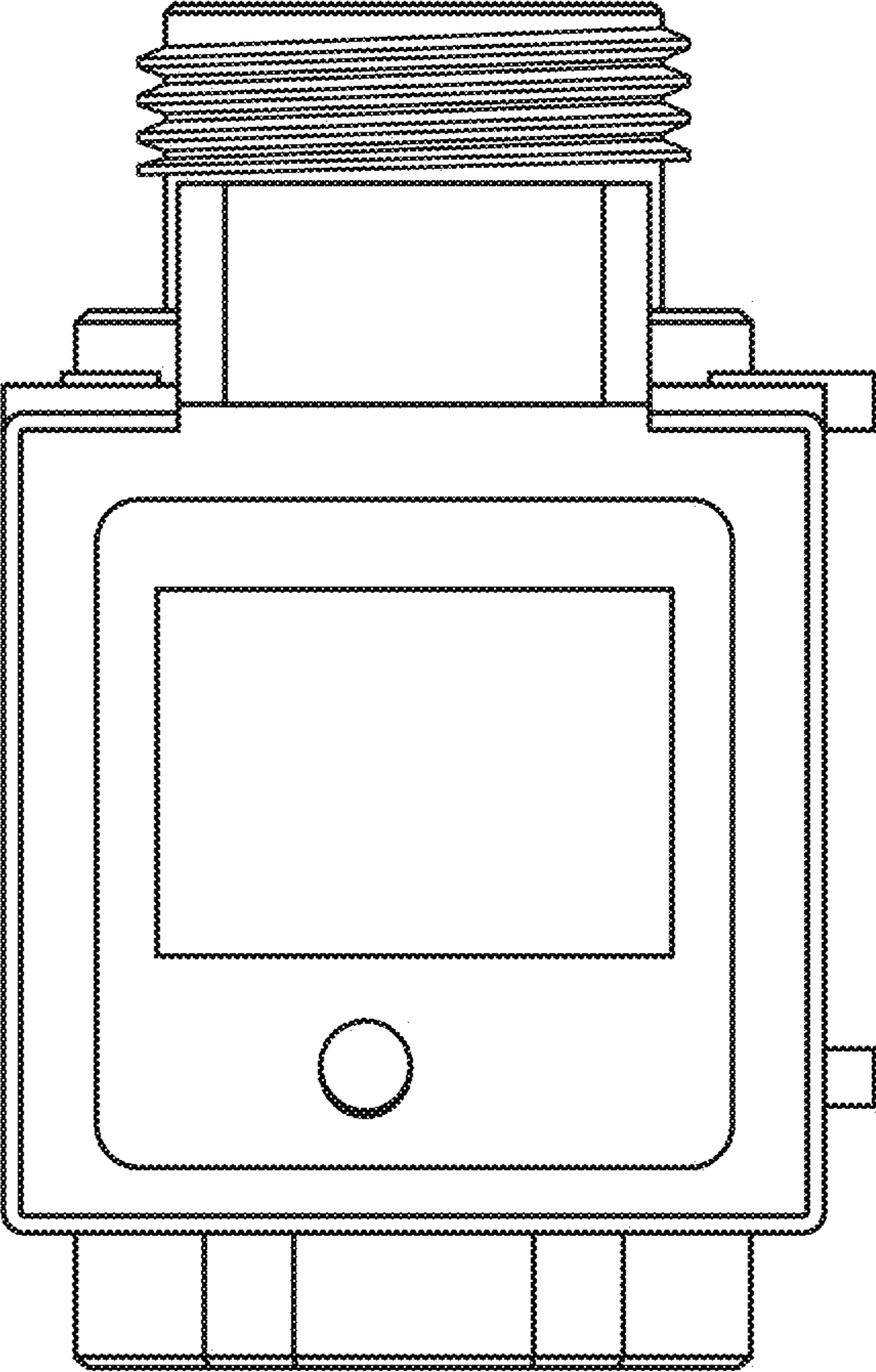


FIG. 5

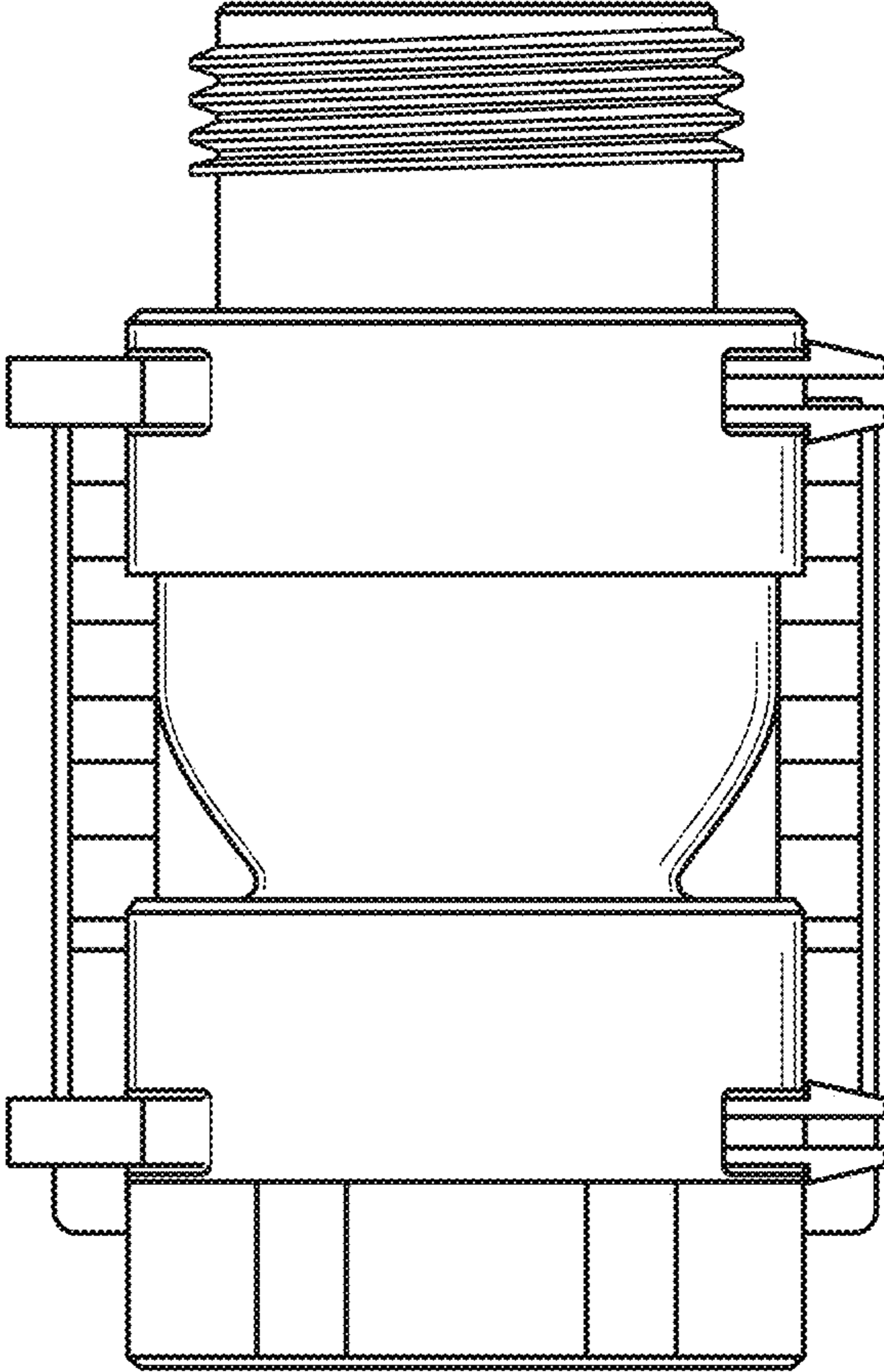


FIG. 6

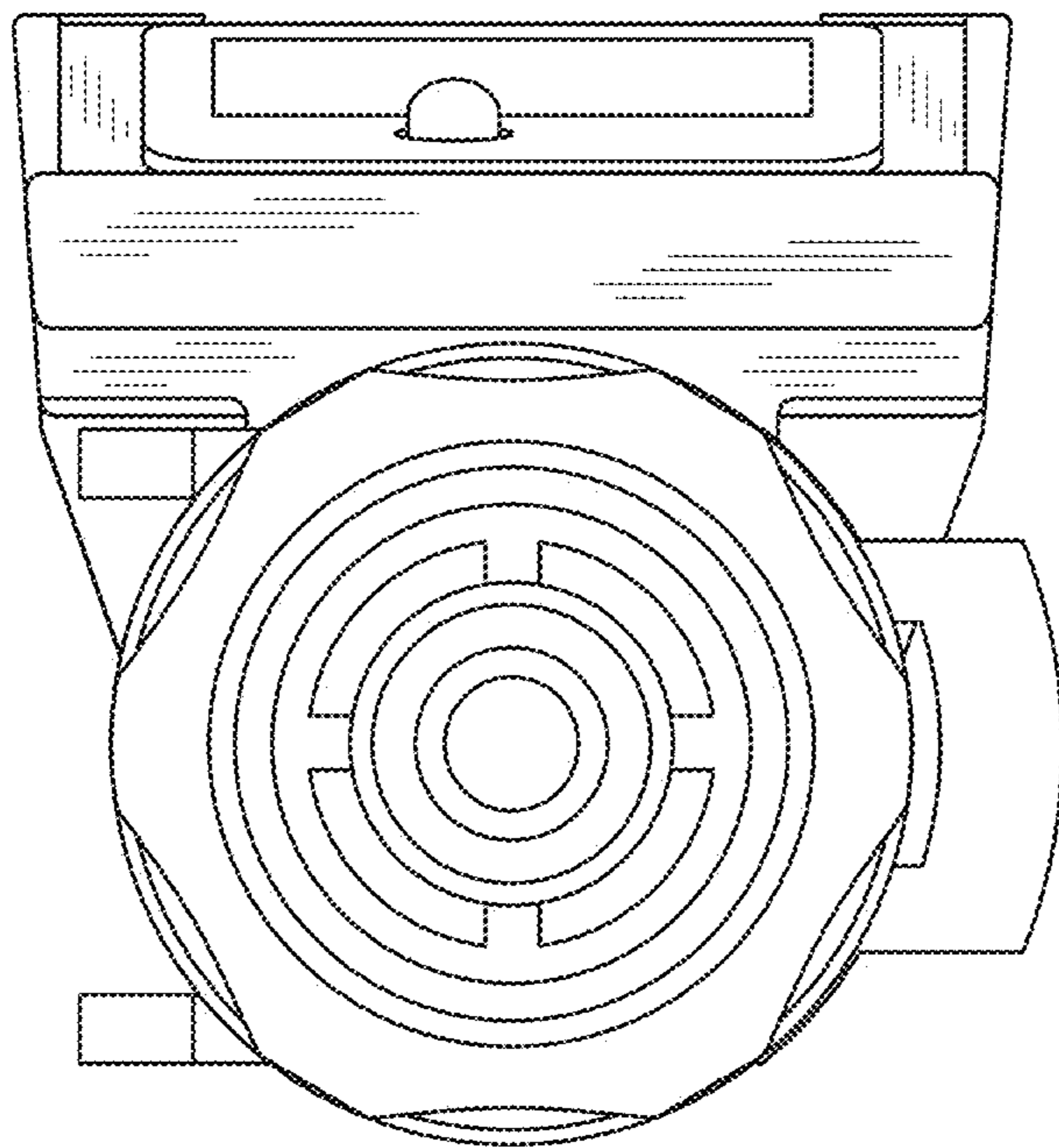


FIG. 7

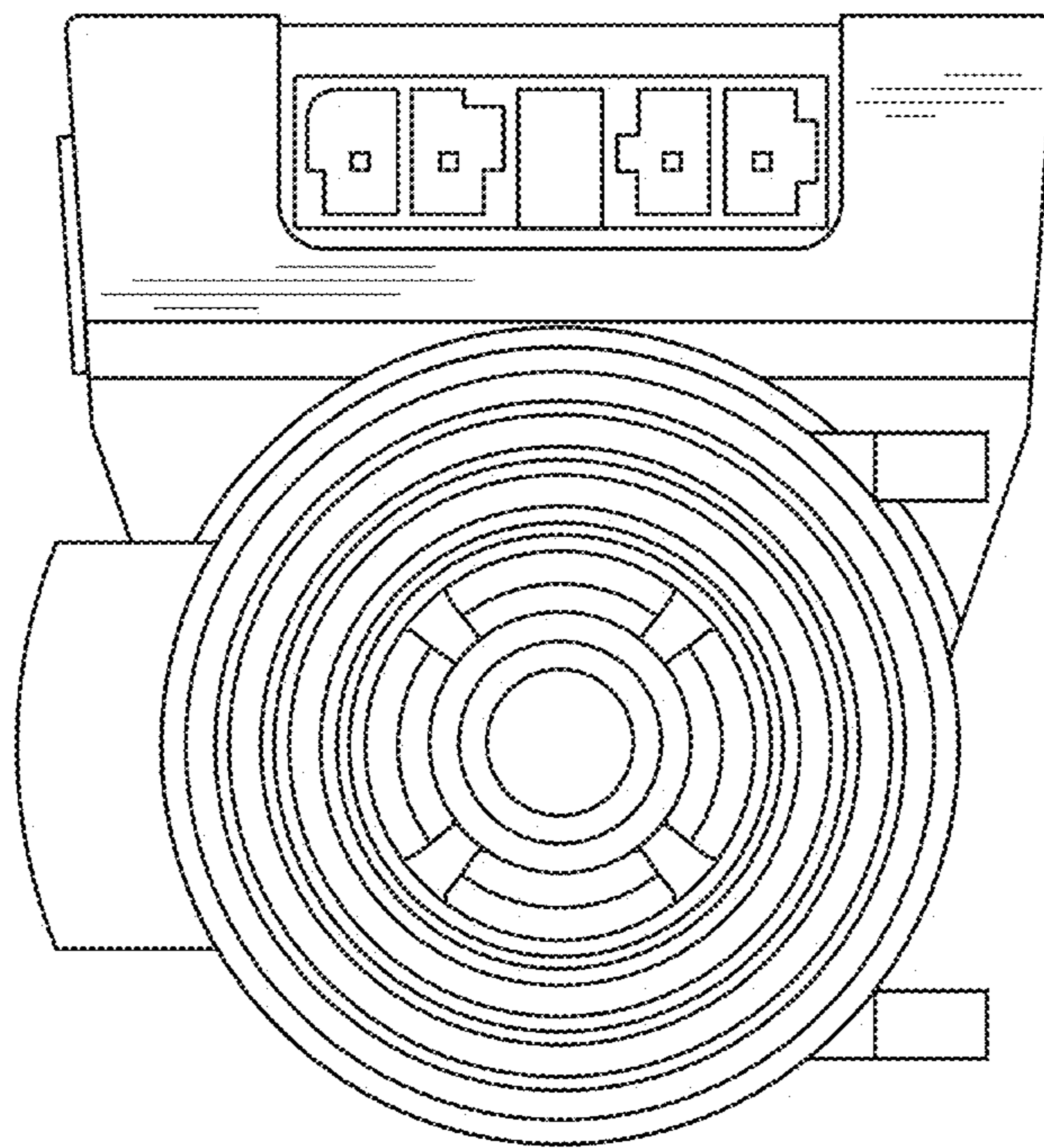


FIG. 8