



US00D817361S

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

(10) **Patent No.:** **US D817,361 S**
(45) **Date of Patent:** **** May 8, 2018**

(54) **CENTRIFUGAL PUMP**

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(73) Assignee: **Flow Control LLC**, Beverly, MA (US)

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

(21) Appl. No.: **29/592,375**

(22) Filed: **Jan. 30, 2017**

(51) **LOC (11) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**

USPC D15/7-9; D23/231, 232, 225; 417/60, 417/235, 265, 321, 355, 358, 363, 359, 417/410.1, 415-416, 405, 900, 269, 539; 60/408, 412; 184/26-37; 415/140-147; 123/495, 509; 137/565.34
CPC F02M 37/04; F02M 37/14; F04B 53/92; F04B 1/005; F04B 25/00; F04B 35/00; F04B 37/00; F04B 39/00; F04B 27/00; F04B 19/20; F04D 13/06; F04D 29/22; F04D 29/046; F04D 29/2266

See application file for complete search history.

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(Continued)

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(74) *Attorney, Agent, or Firm* — Ware, Fressola, Maguire & Barber LLP

(57) **CLAIM**

We claim the ornamental design of a centrifugal pump, as shown and described herein.

DESCRIPTION

FIG. 1 is a top front perspective view of a centrifugal pump having an output port, according to some embodiments of the present invention;

FIG. 2 is a bottom back perspective view of the centrifugal pump shown in FIG. 1;

FIG. 3 is a front view of centrifugal pump shown in FIG. 1;

FIG. 4 is a back view of the centrifugal pump shown in FIG. 1.

FIG. 5 is a side view of the centrifugal pump shown in FIG. 1;

FIG. 6 is a corresponding side view of the centrifugal pump shown in FIG. 1;

FIG. 7 is a top view of the centrifugal pump shown in FIG. 1; and

FIG. 8 is a bottom view of the centrifugal pump shown in FIG. 1.

FIG. 9 is a top front perspective view of a centrifugal pump showing a second embodiment of our new design;

FIG. 10 is a bottom back perspective view of the centrifugal pump shown in FIG. 9;

FIG. 11 is a front view of centrifugal pump shown in FIG. 9;

FIG. 12 is a back view of the centrifugal pump shown in FIG. 9.

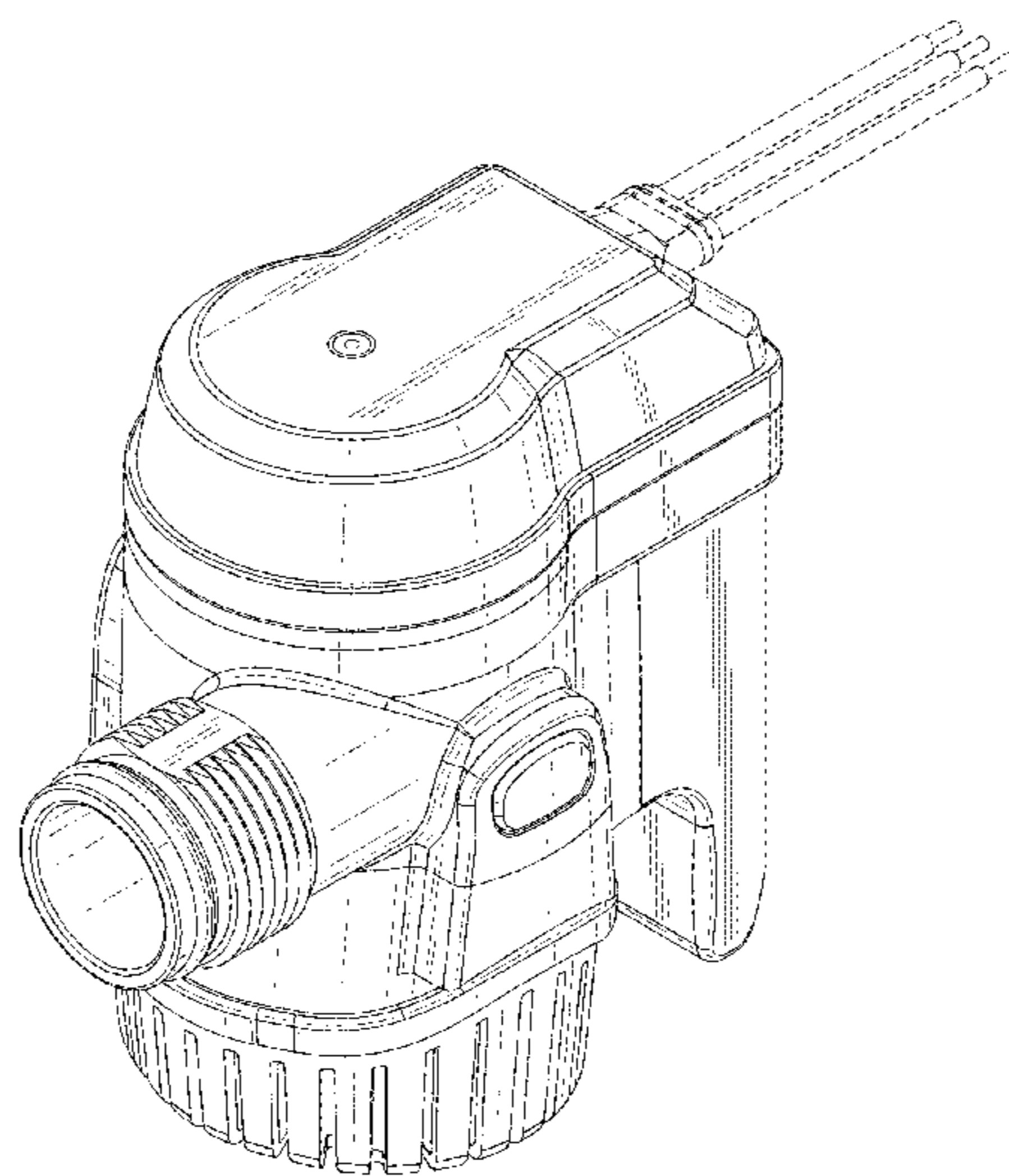
FIG. 13 is a side view of the centrifugal pump shown in FIG. 9;

FIG. 14 is a corresponding side view of the centrifugal pump shown in FIG. 9;

FIG. 15 is a top view of the centrifugal pump shown in FIG. 9; and,

FIG. 16 is a bottom view of the centrifugal pump shown in FIG. 9.

1 Claim, 14 Drawing Sheets



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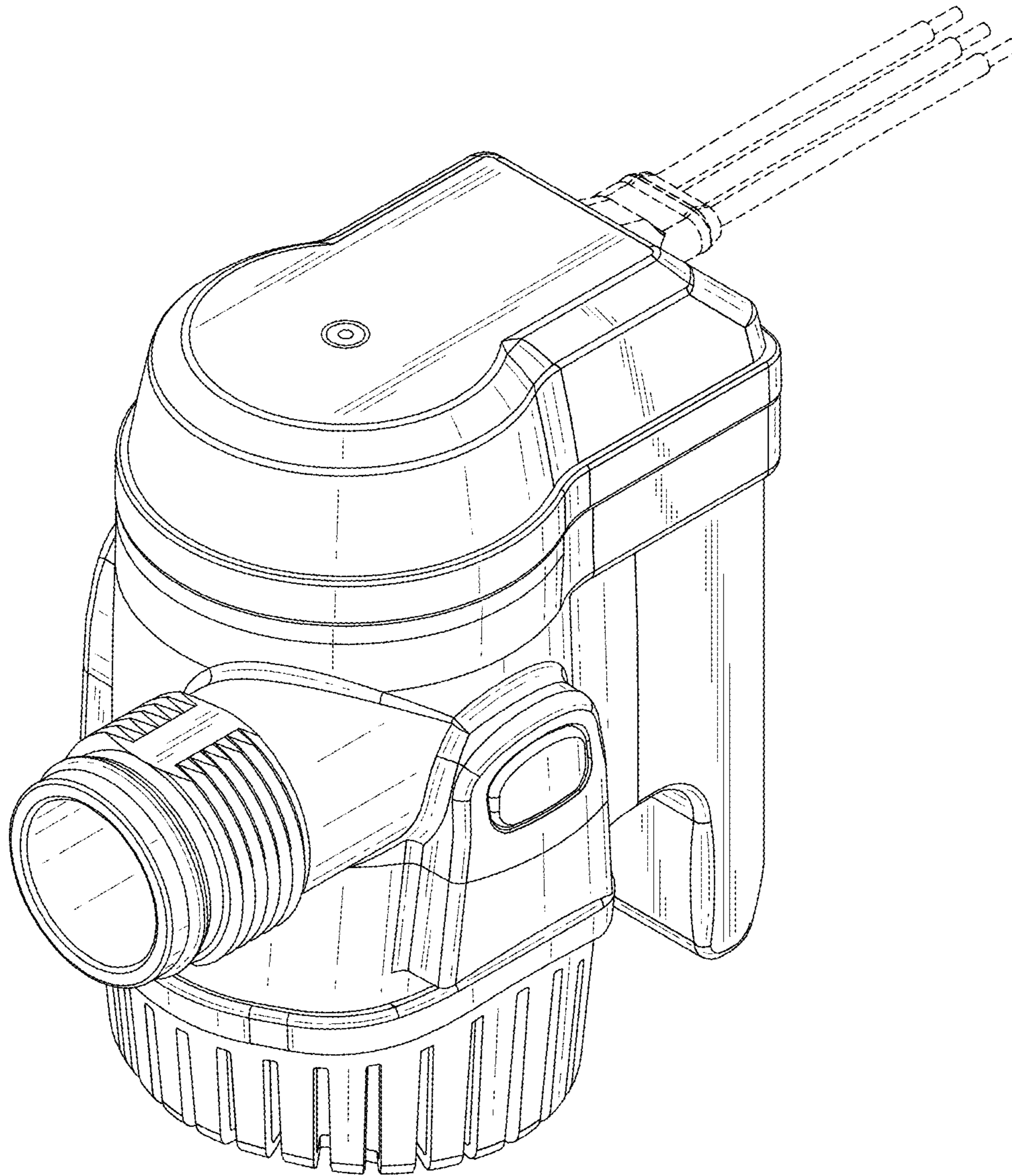


FIG. 1

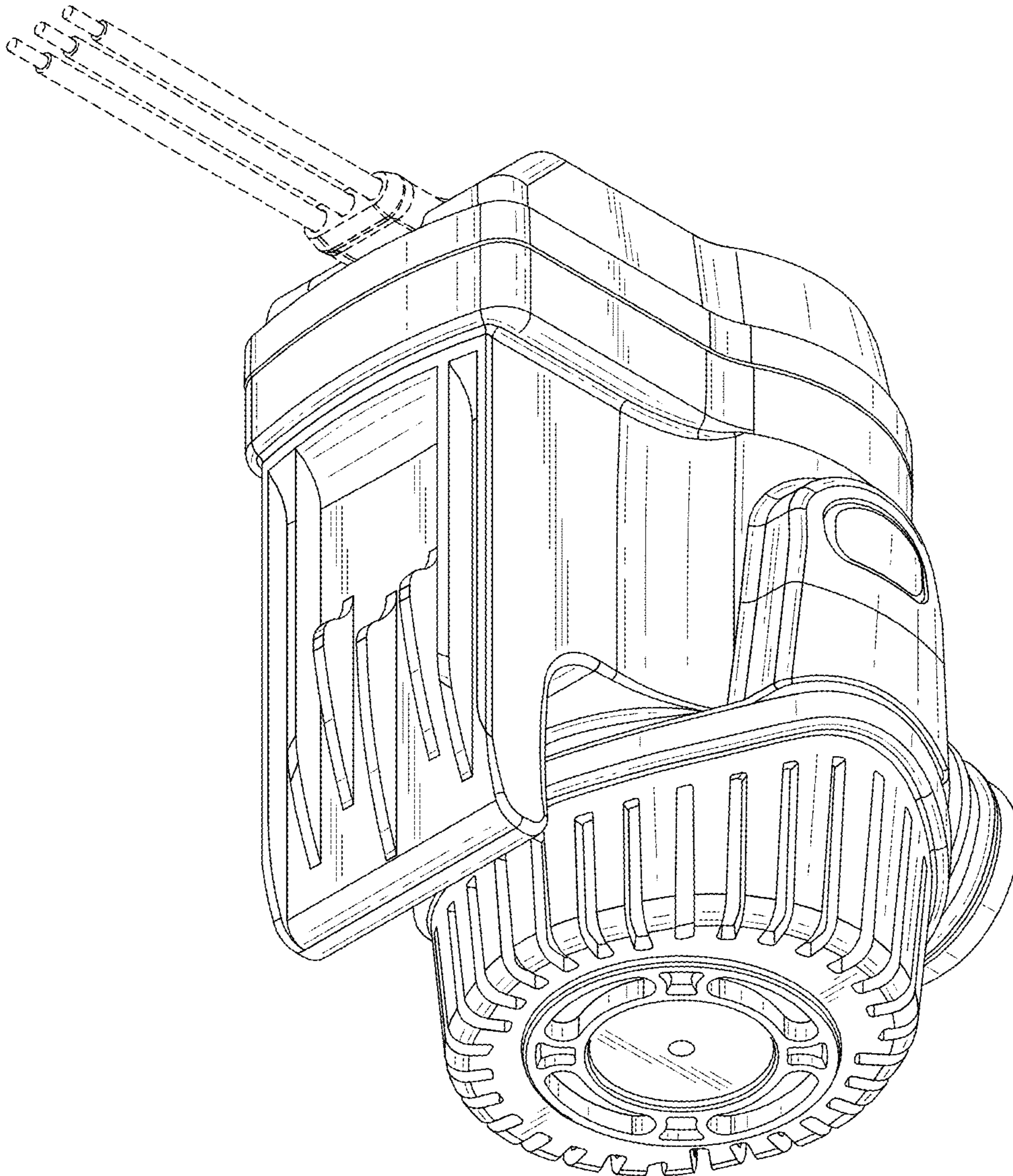


FIG. 2

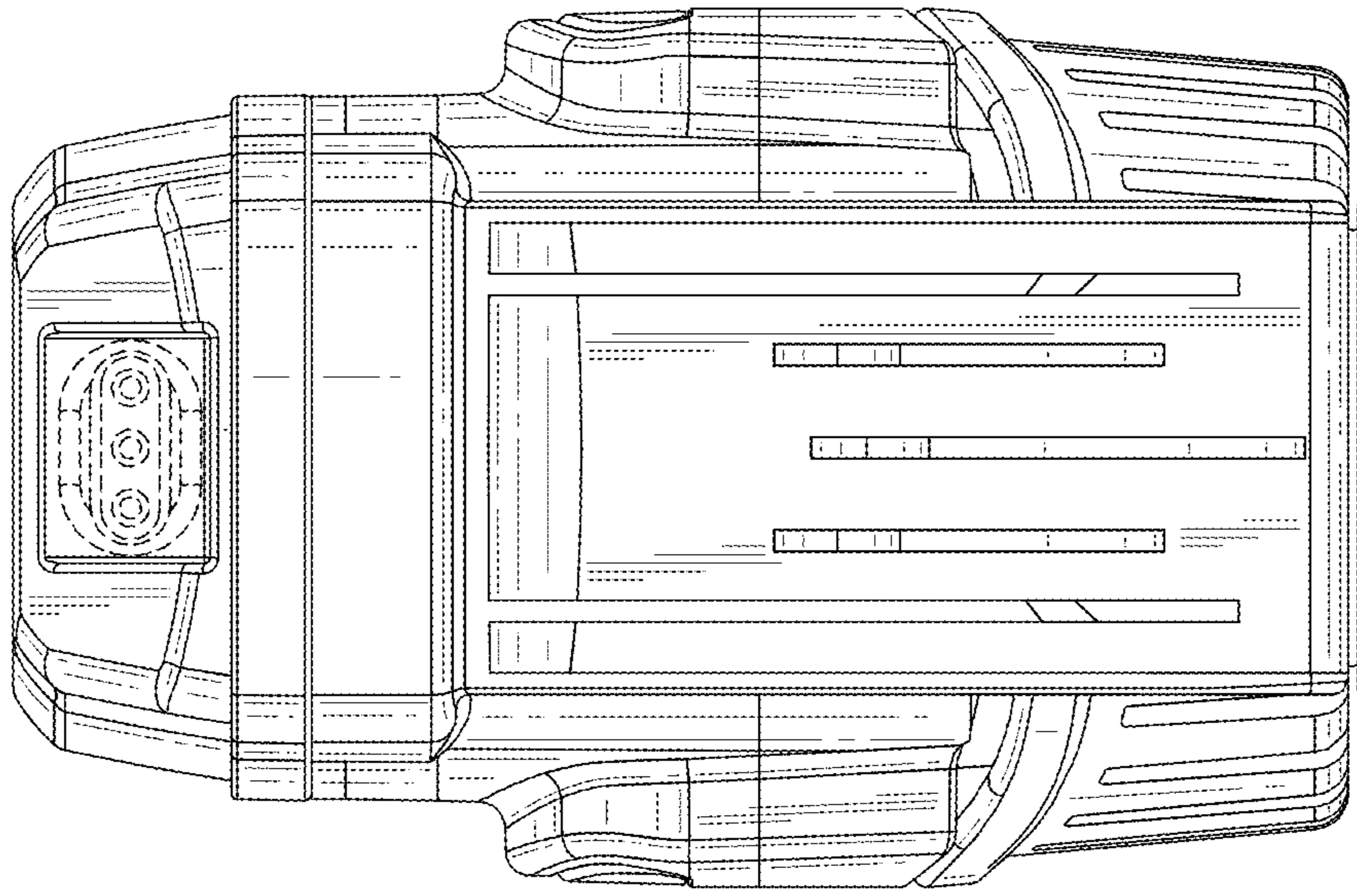


FIG. 3

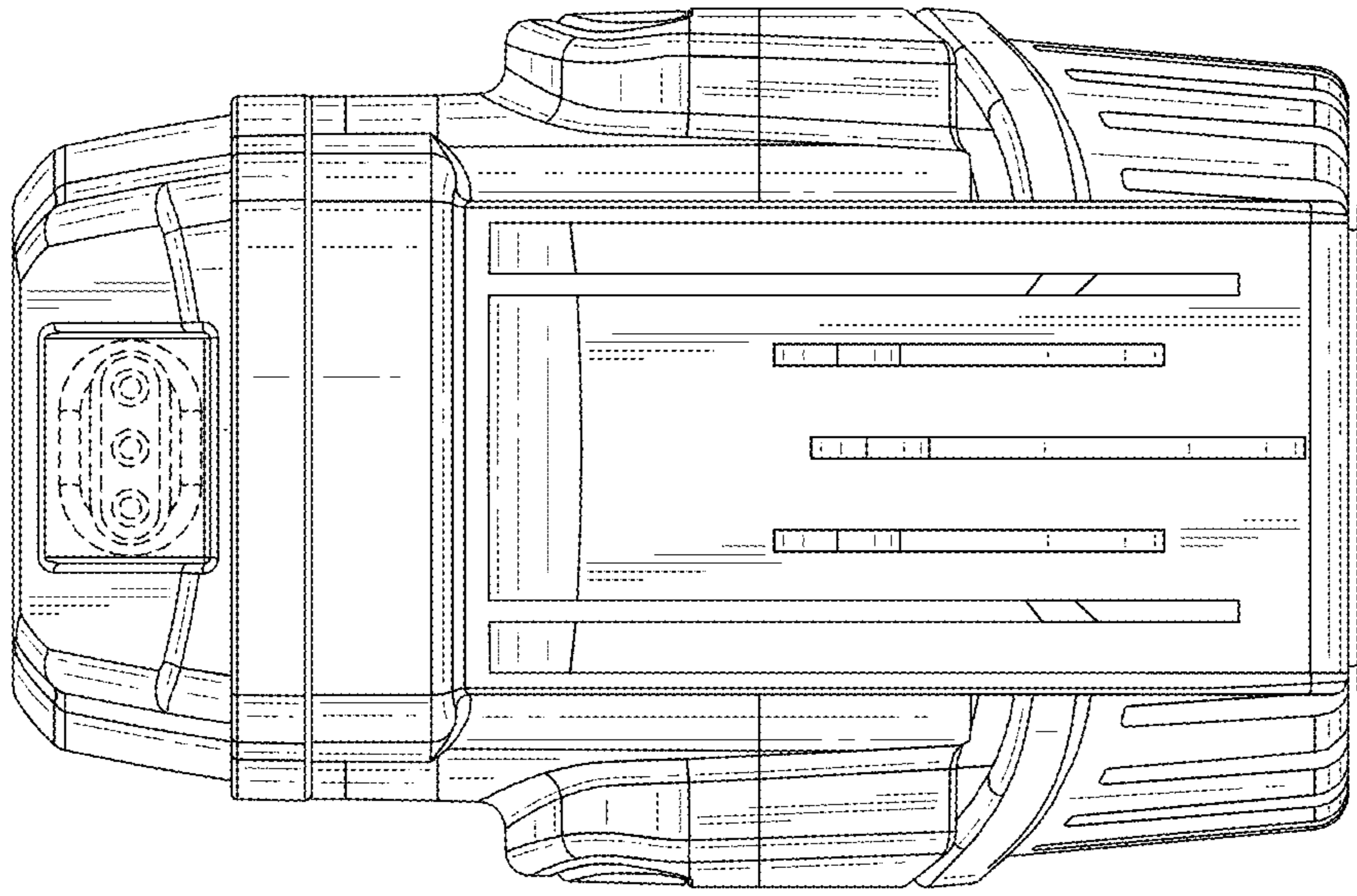


FIG. 4

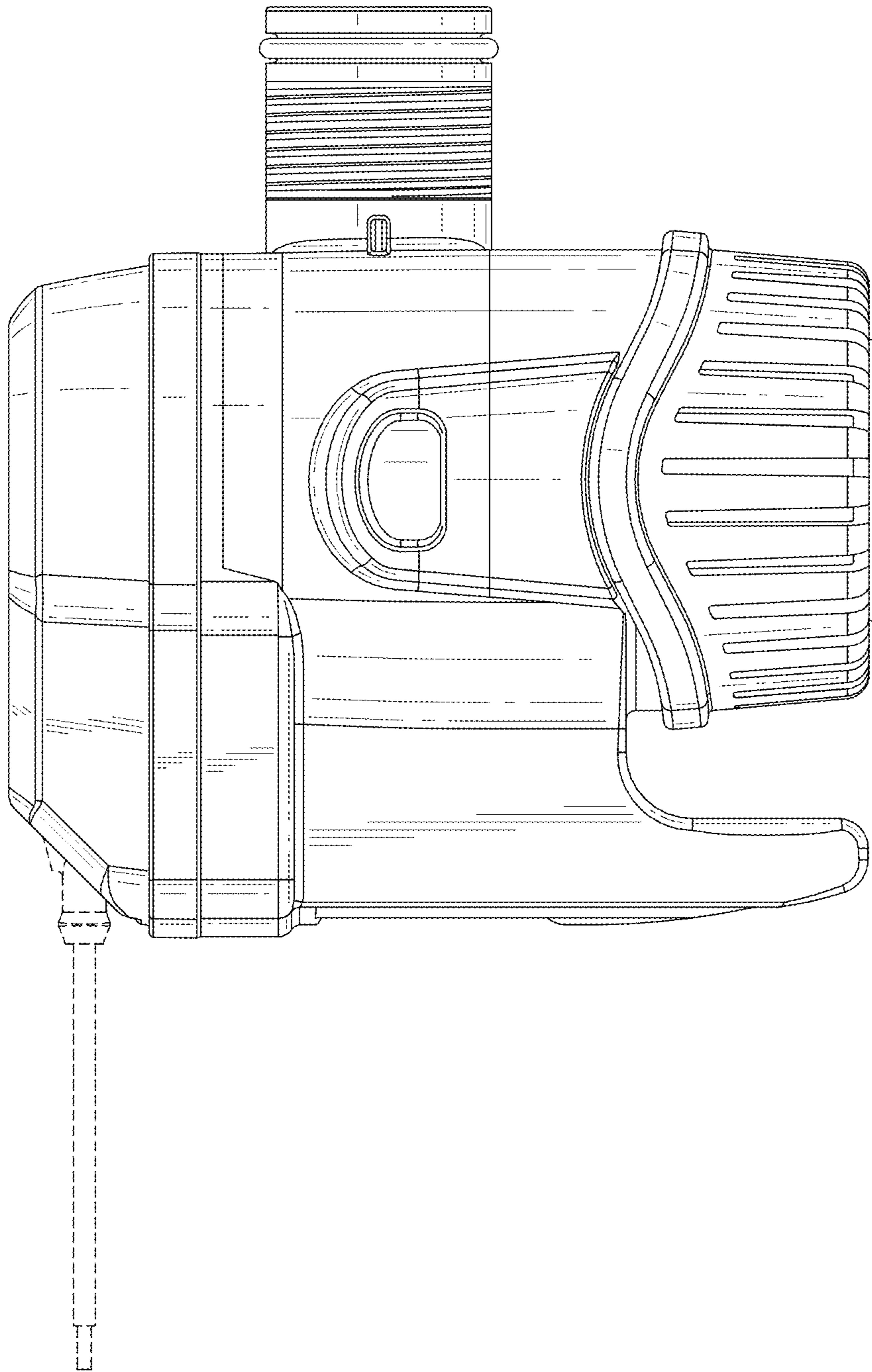


FIG. 5

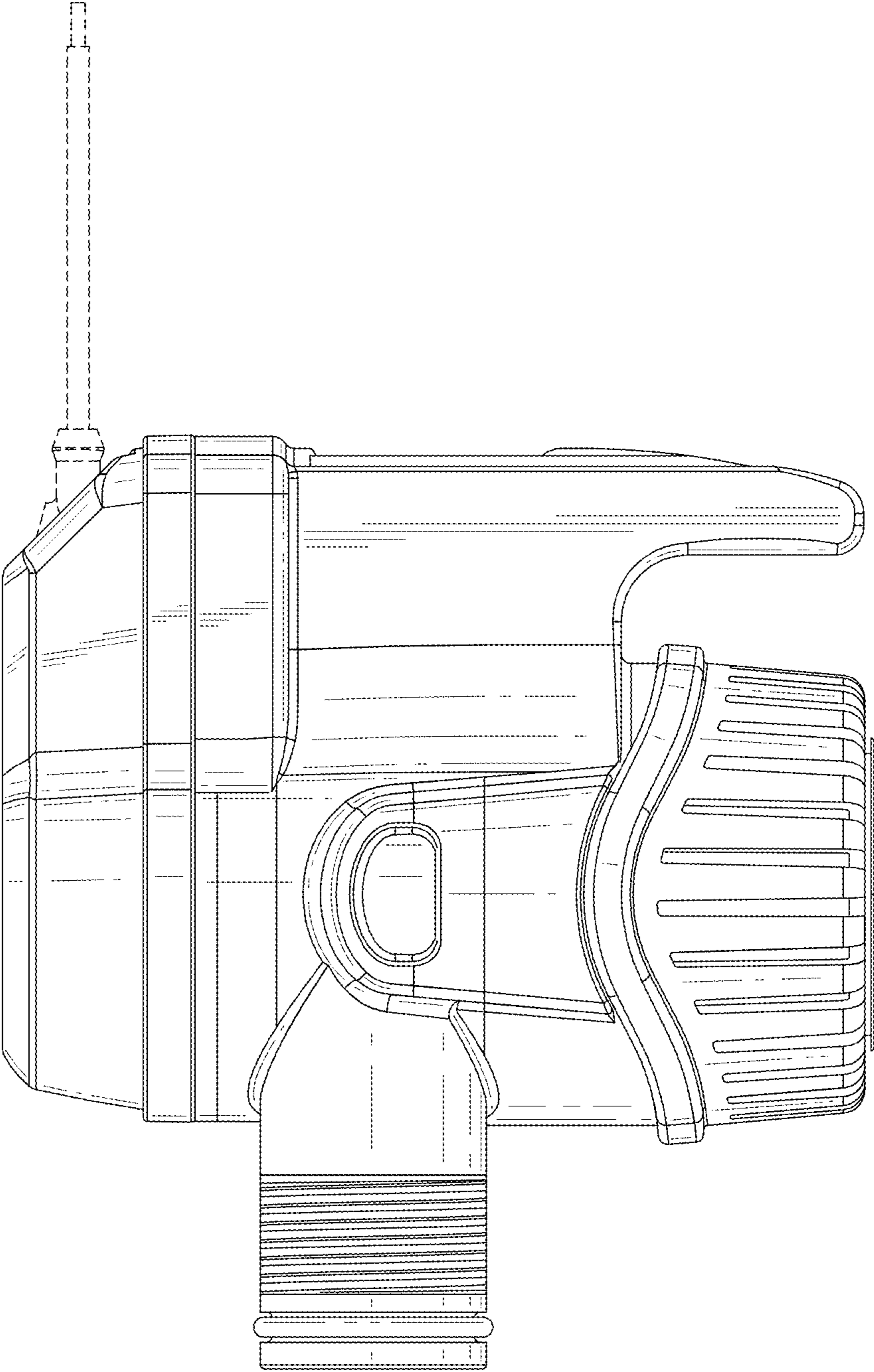


FIG. 6

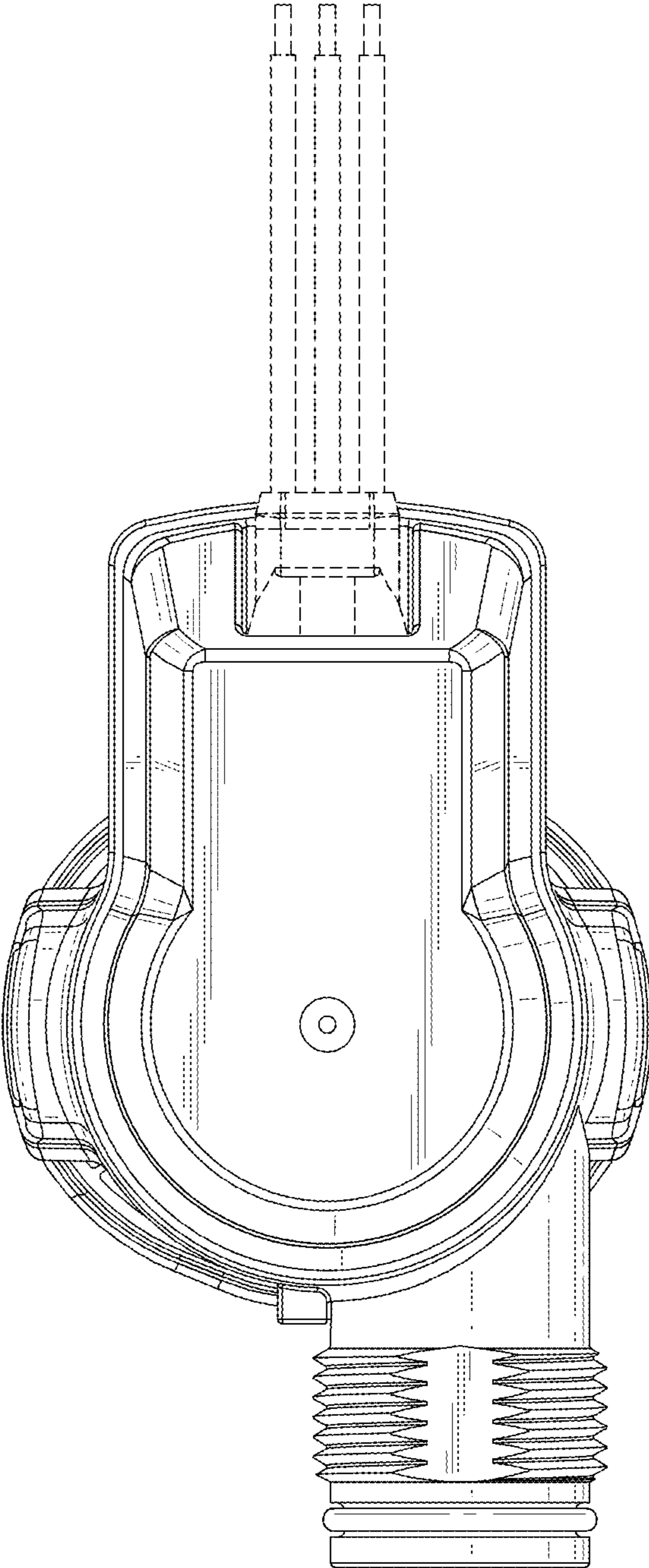


FIG. 7

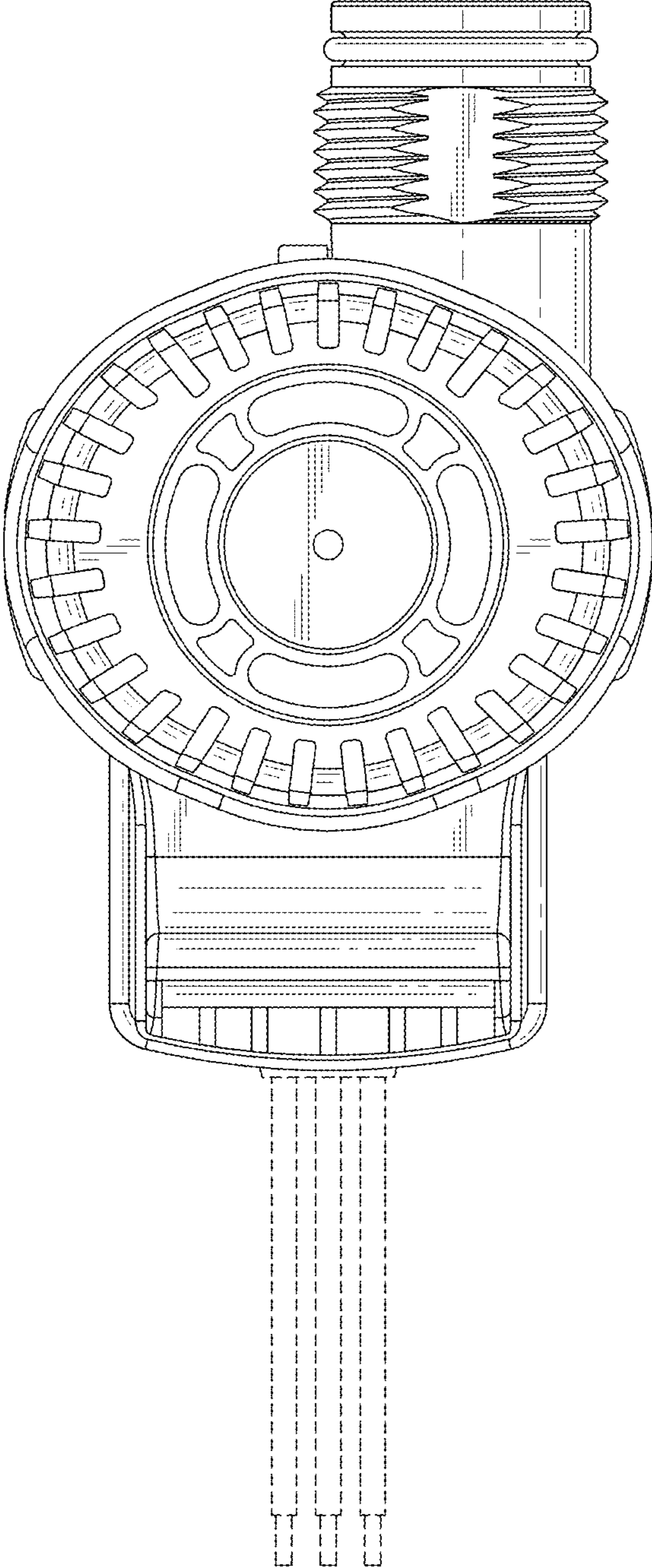


FIG. 8

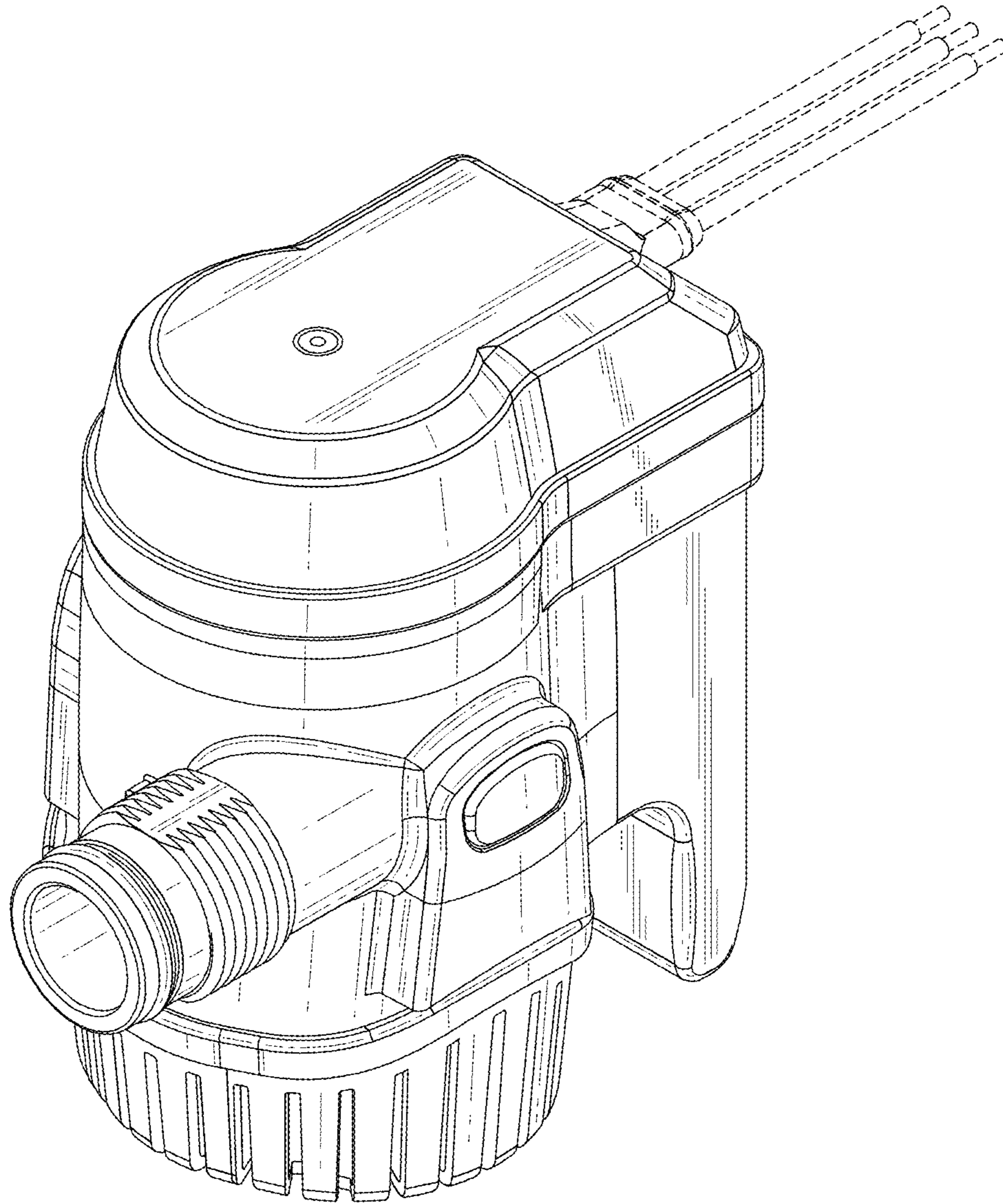


FIG. 9

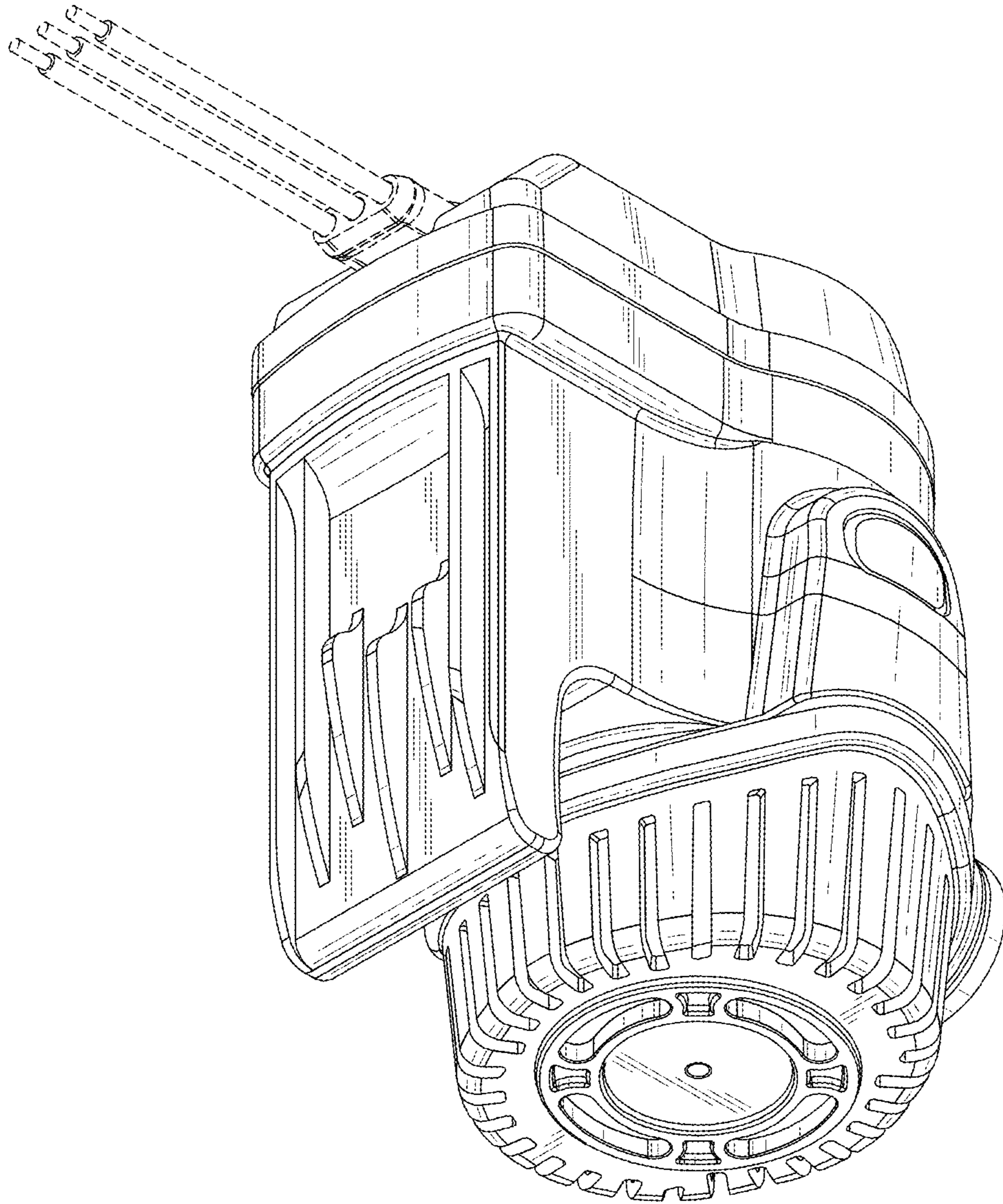


FIG. 10

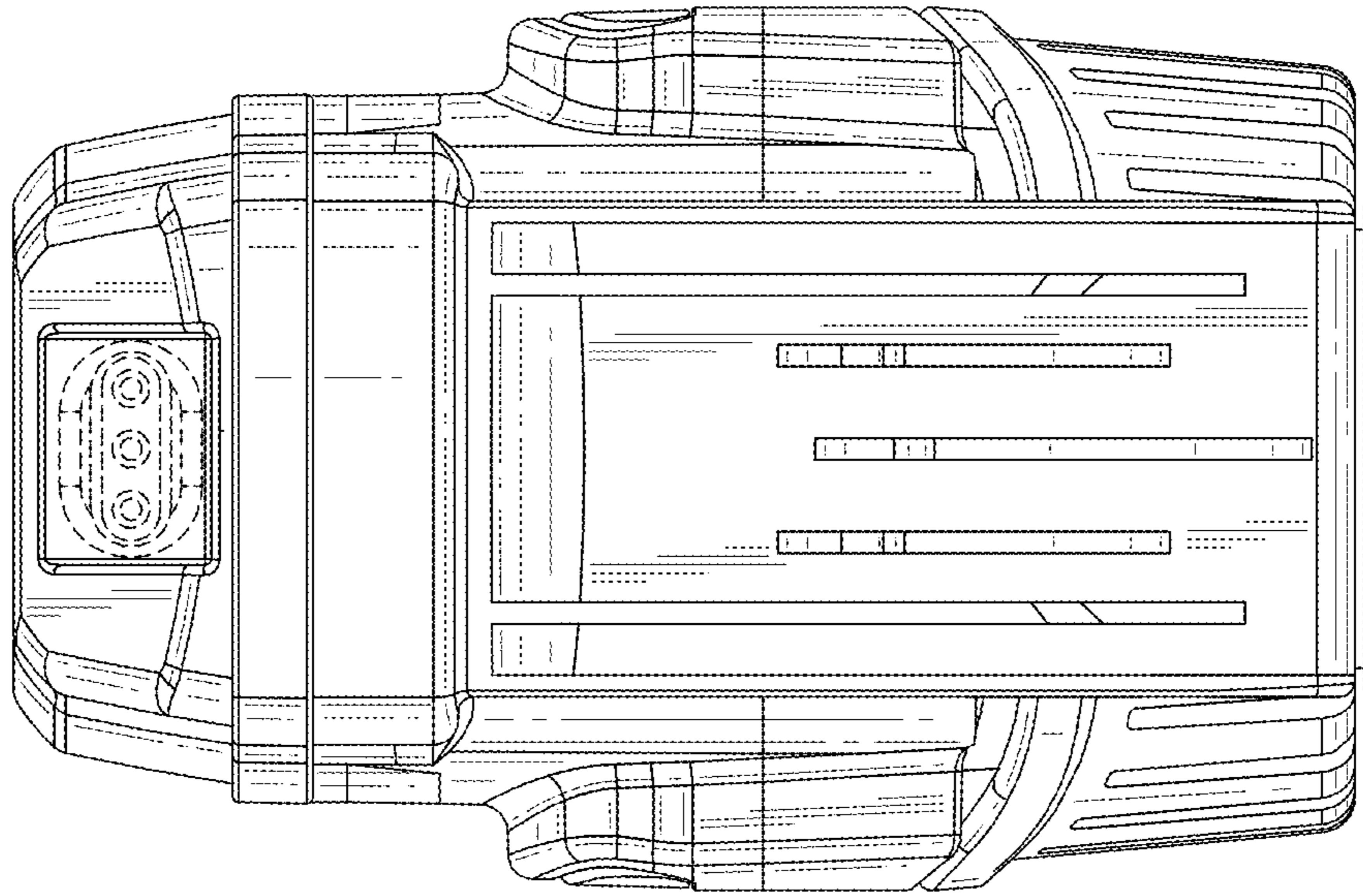


FIG. 12

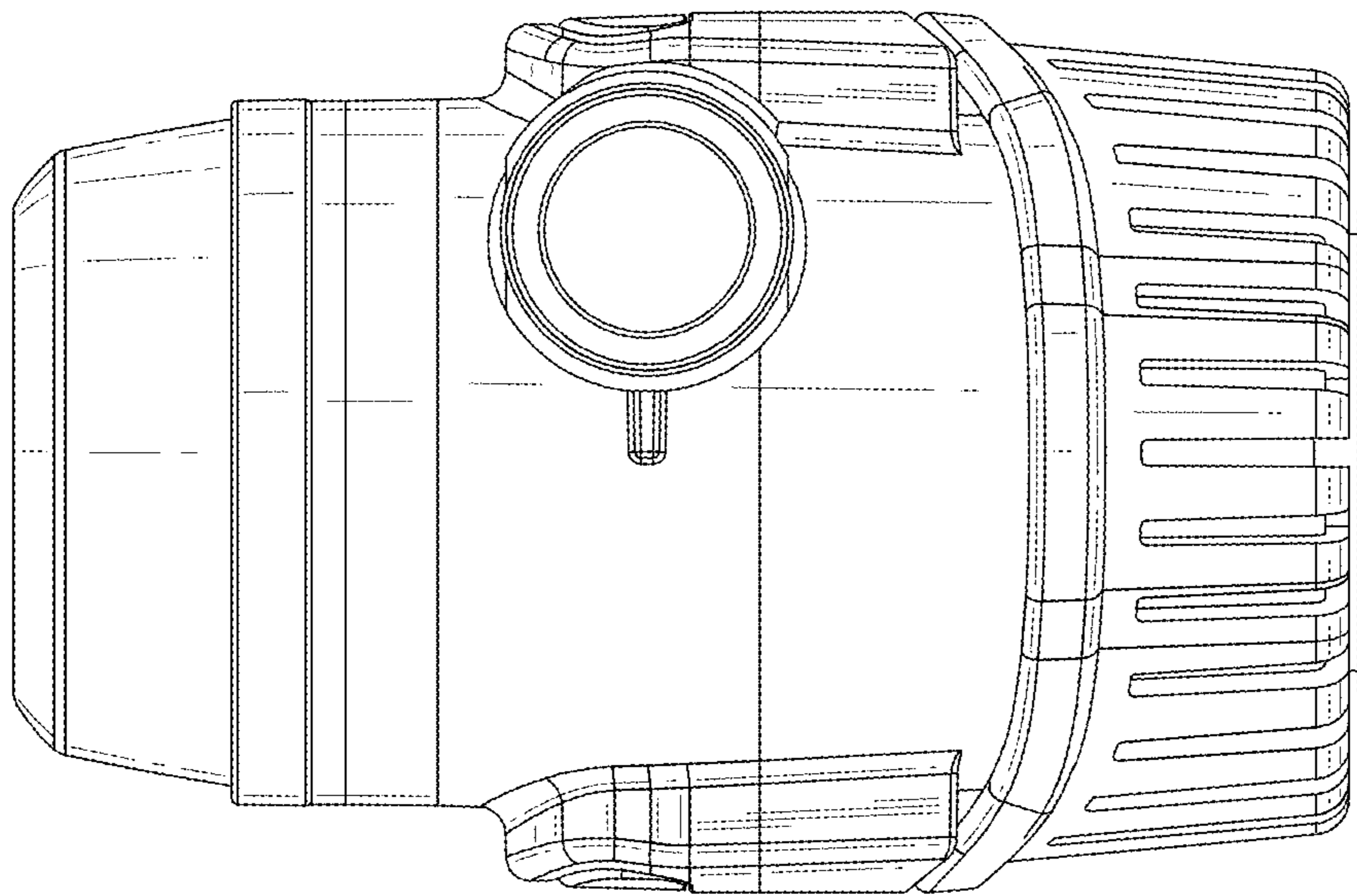


FIG. 11

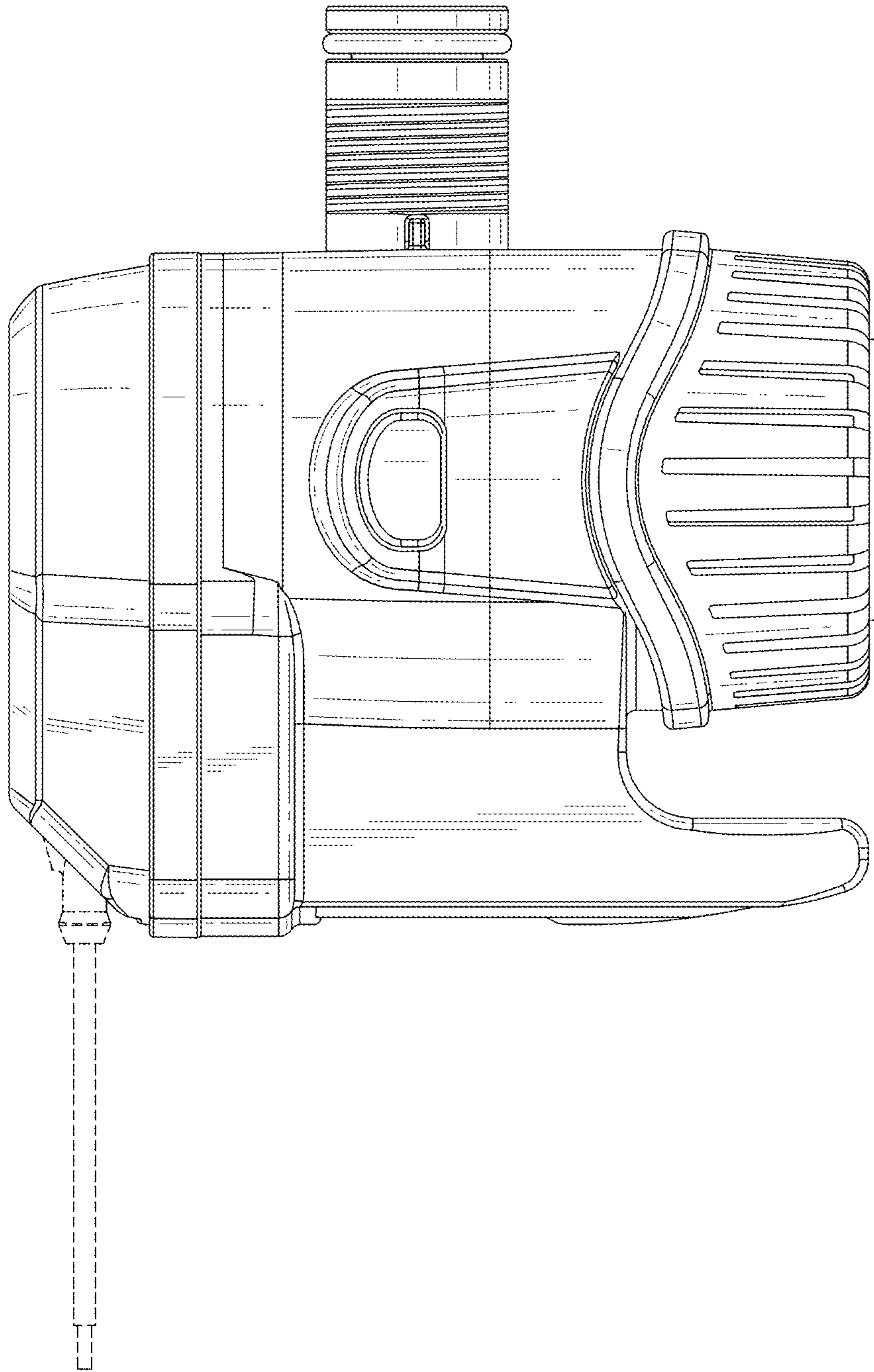


FIG. 13

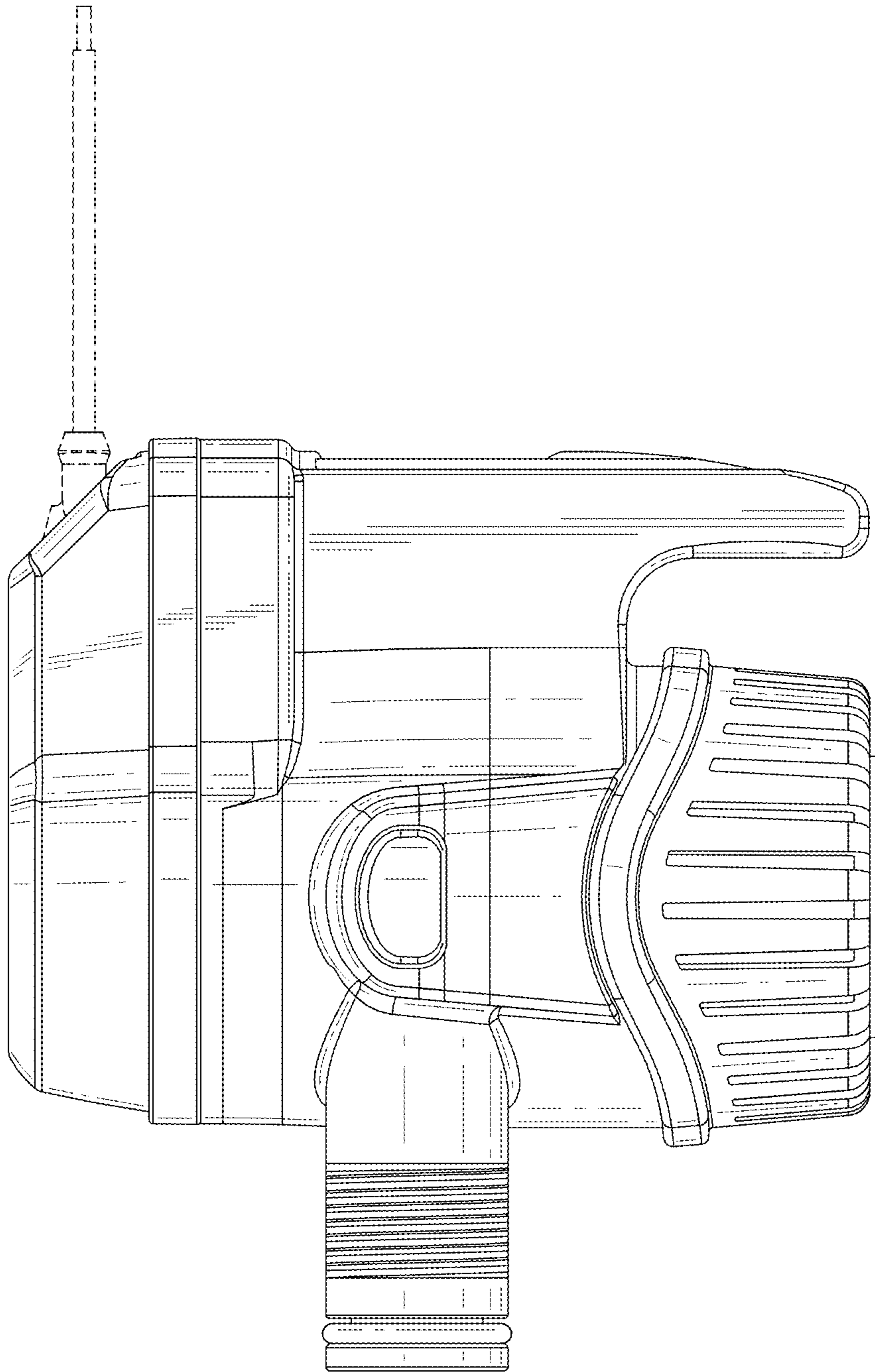


FIG. 14

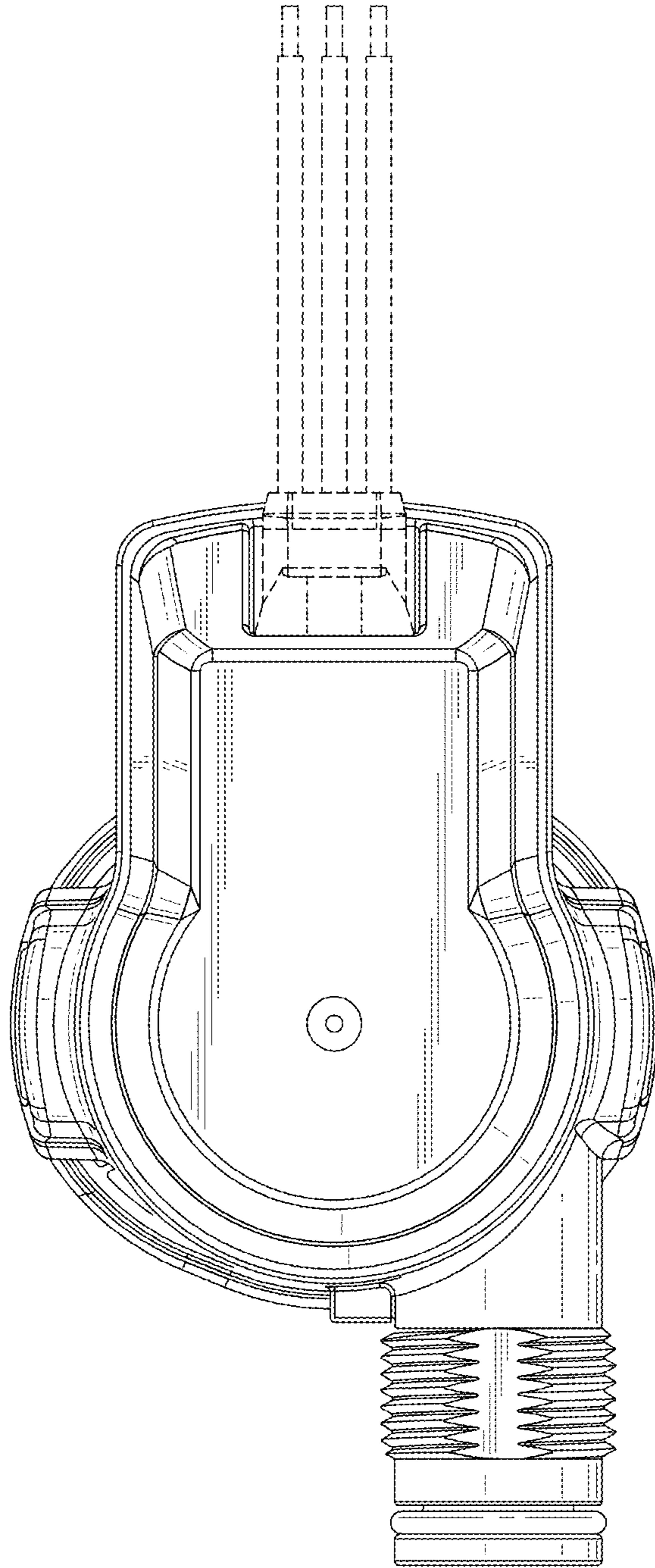


FIG. 15

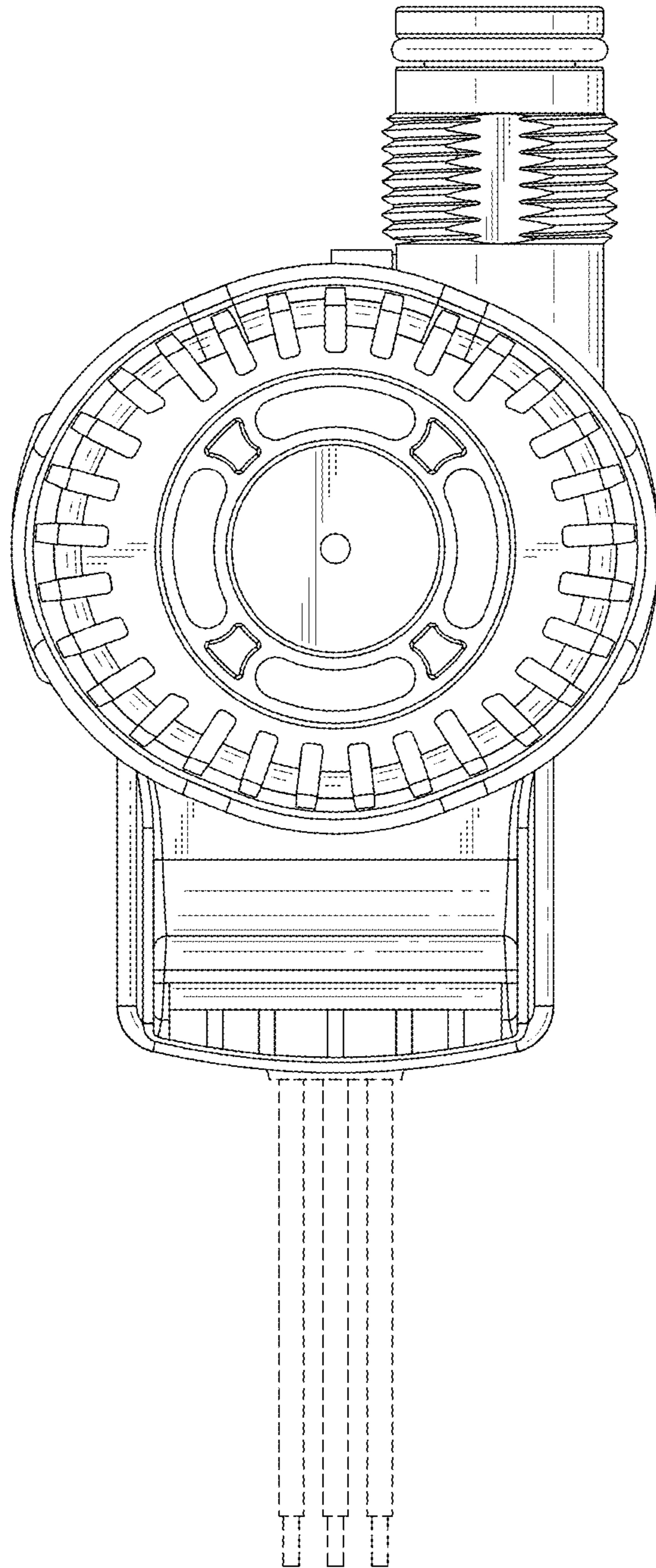


FIG. 16