



US00D890329S

(12) **United States Design Patent** (10) **Patent No.:** **US D890,329 S**
Hulford et al. (45) **Date of Patent:** **** Jul. 14, 2020**

(54) **MEDICAL DEVICE**

- (71) Applicant: **Intuitive Surgical Operations, Inc.**, Sunnyvale, CA (US)
- (72) Inventors: **Timothy B. Hulford**, San Jose, CA (US); **Robert B. Hubler**, Woodinville, WA (US); **Elie Eyram Ahovi**, San Francisco, CA (US); **Craig Tsuji**, San Jose, CA (US); **Edward P. Donlon**, San Jose, CA (US)
- (73) Assignee: **INTUITIVE SURGICAL OPERATIONS, INC.**, Sunnyvale, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/721,064**
- (22) Filed: **Jan. 17, 2020**

Related U.S. Application Data

- (63) Continuation of application No. 29/581,074, filed on Oct. 14, 2016, now Pat. No. Des. 874,641.
- (51) **LOC (12) Cl.** **24-01**
- (52) **U.S. Cl.**
USPC **D24/108; D24/111**
- (58) **Field of Classification Search**
USPC D24/107–109, 111–113, 127, 101, D24/163–165, 152, 176; D4/100–102, D4/138; D3/203.1, 201, 200, 203.6; D9/432, 414; D23/356, 359, 360, 386
CPC A61C 17/0205; A61C 17/0202; A61C 17/224; A61C 17/20; A61C 17/005; A61C 17/028; A61C 17/02; A61C 17/036; A61C 17/00; A61C 17/0211; A61C 17/0214;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D533,274 S * 12/2006 Visconti D24/133
- D630,728 S * 1/2011 Dombrowski D24/108
- D678,512 S * 3/2013 Bow D24/112

(Continued)

Primary Examiner — Sheryl Lane
Assistant Examiner — Aula Soroush
(74) *Attorney, Agent, or Firm* — Haynes and Boone, LLP

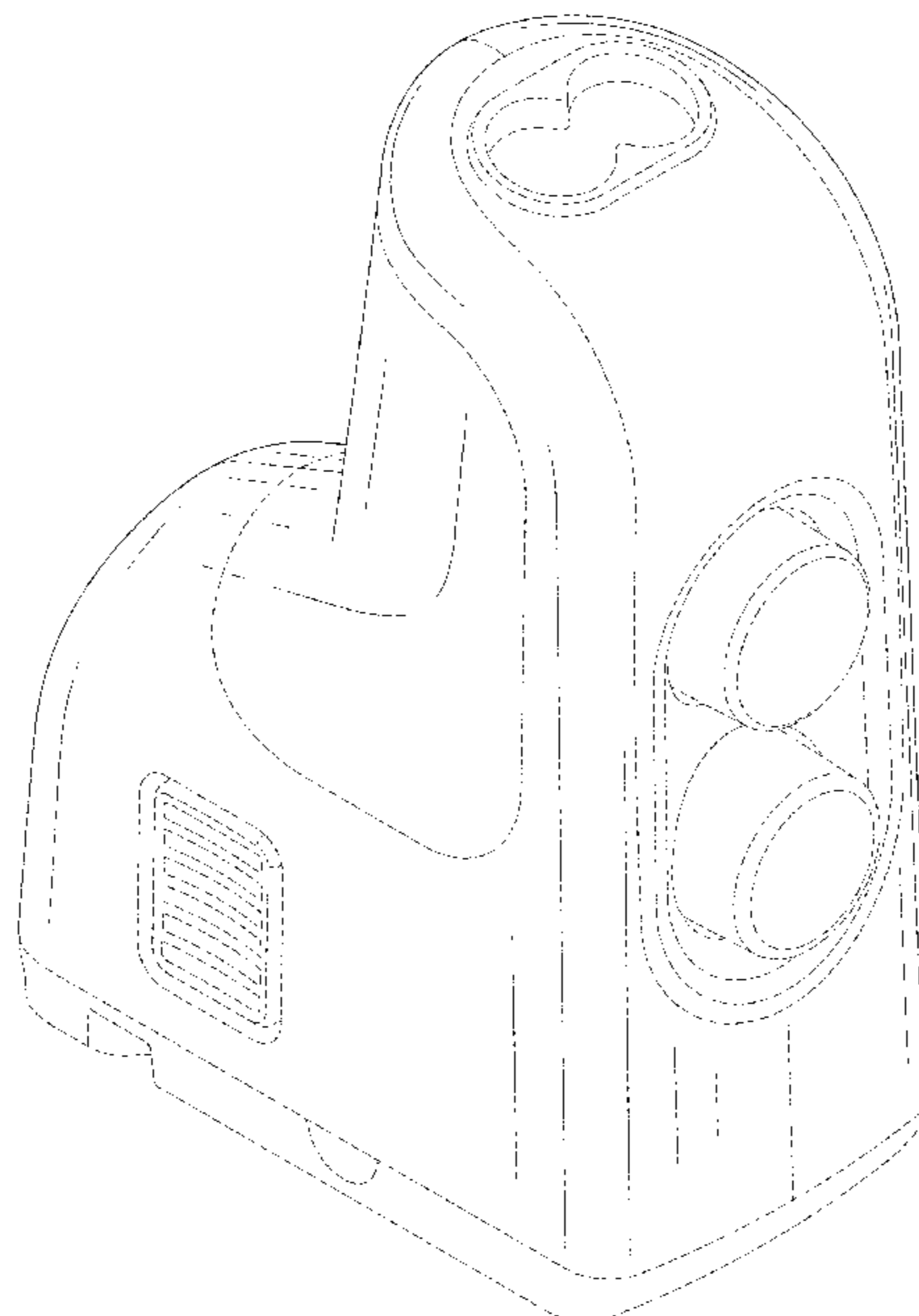
(57) **CLAIM**

The ornamental design for a medical device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a medical device showing the new design;
 FIG. 2 is front elevation view of the medical device;
 FIG. 3 is a rear elevation view of the medical device;
 FIG. 4 is a left elevation view of the medical device;
 FIG. 5 is a right elevation view of the medical device;
 FIG. 6 is a top view of the medical device;
 FIG. 7 is a bottom view of the medical device;
 FIG. 8 is a rear perspective view of the medical device;
 FIG. 9 is another front perspective view of the medical device, showing additional environmental structure;
 FIG. 10 is an enlarged portion of FIG. 12;
 FIG. 11 is an enlarged portion of FIG. 13;
 FIG. 12 is a top perspective view of the medical device; and,
 FIG. 13 is a bottom perspective view of the medical device.
 The broken lines in the FIGS. 1-13 illustrate portions of the medical device that form no part of the claimed design.
 The dash-dot lines in FIGS. 10 and 12 indicate the boundary of the enlarged portion of FIG. 12 and form no part of the claimed design.
 The dash-dot lines in FIGS. 11 and 13 indicate the boundary of the enlarged portion of FIG. 13 and form no part of the claimed design.

1 Claim, 13 Drawing Sheets



(58) **Field of Classification Search**

CPC A61C 17/28; A61C 17/043; A61C 17/22;
A61C 17/222; A61C 17/225

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D696,778 S * 12/2013 Liao D24/133
8,747,111 B2 * 6/2014 Dombrowski A61M 1/0047
433/95
D719,651 S * 12/2014 Hoffmann D24/133
D720,070 S * 12/2014 Khalaj D24/133
D732,164 S * 6/2015 Woloszko D24/144
D737,981 S * 9/2015 Biggs D24/170
D747,801 S * 1/2016 Kwon D24/133
D750,258 S * 2/2016 Crossley D24/129
D755,383 S * 5/2016 Pfister D24/144
D764,655 S * 8/2016 Klopfer D24/108
D768,295 S * 10/2016 Waters D24/133
D775,728 S * 1/2017 Cavada D24/144
D777,326 S * 1/2017 Sainsbury D24/133
D779,053 S * 2/2017 Kobida D24/108
D780,306 S * 2/2017 Bow D24/112
D803,396 S * 11/2017 Oberkircher D24/133

* cited by examiner

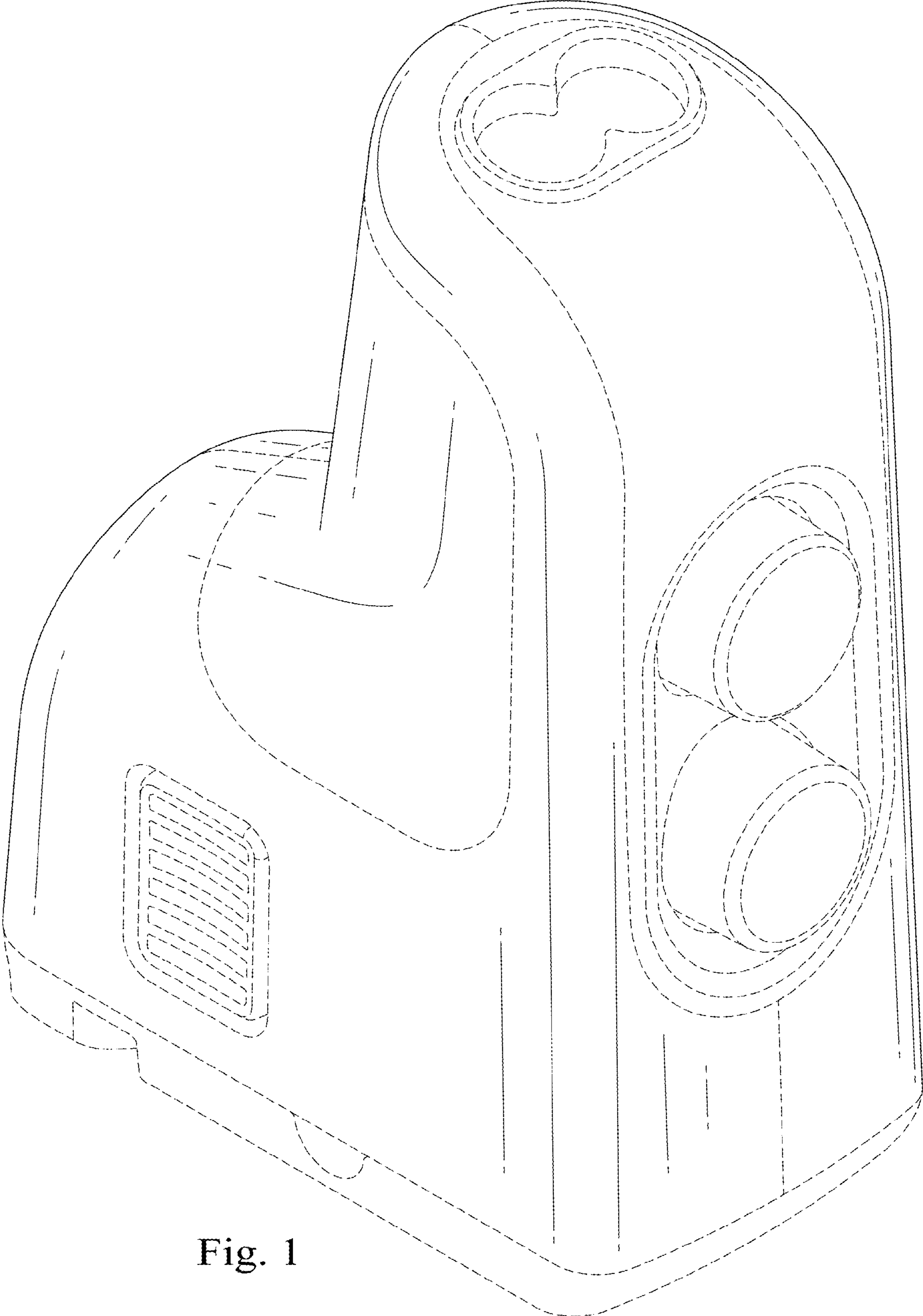


Fig. 1

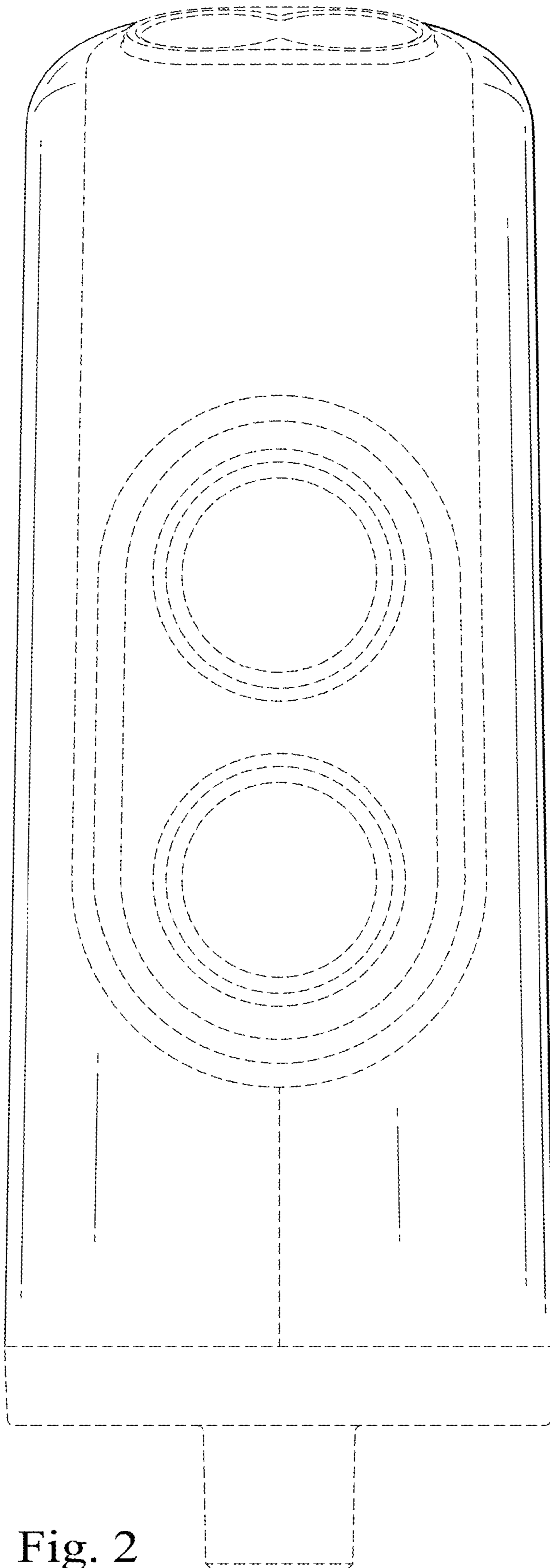


Fig. 2

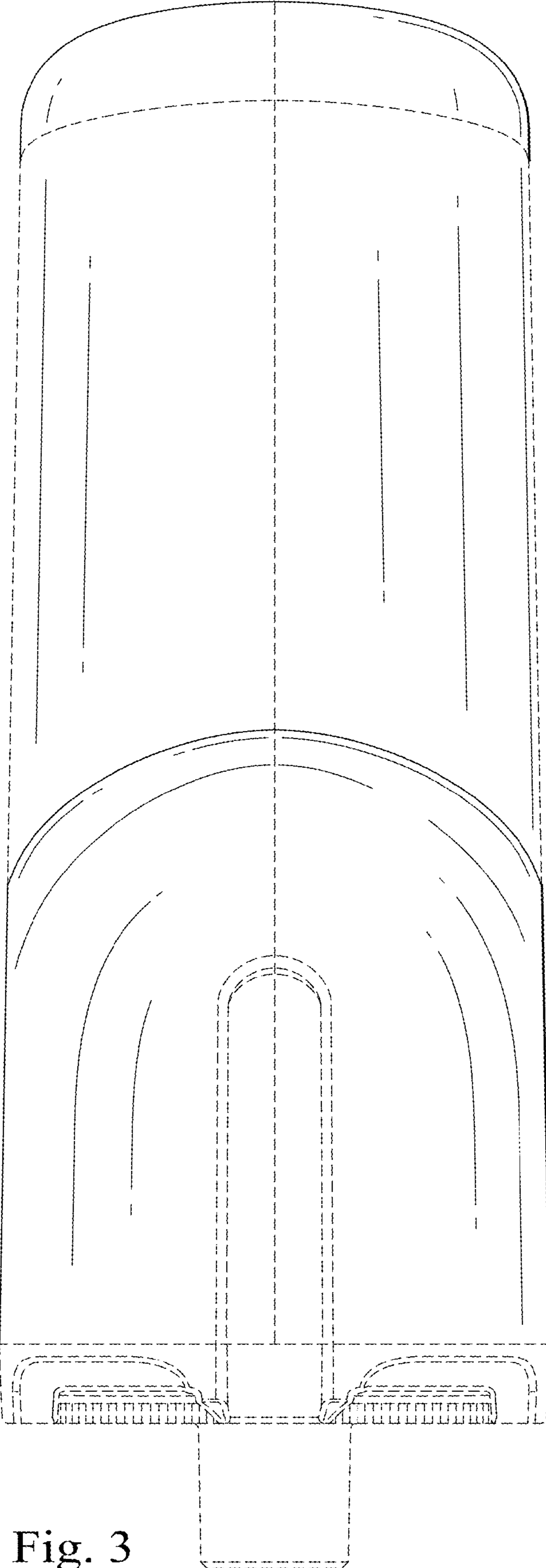


Fig. 3

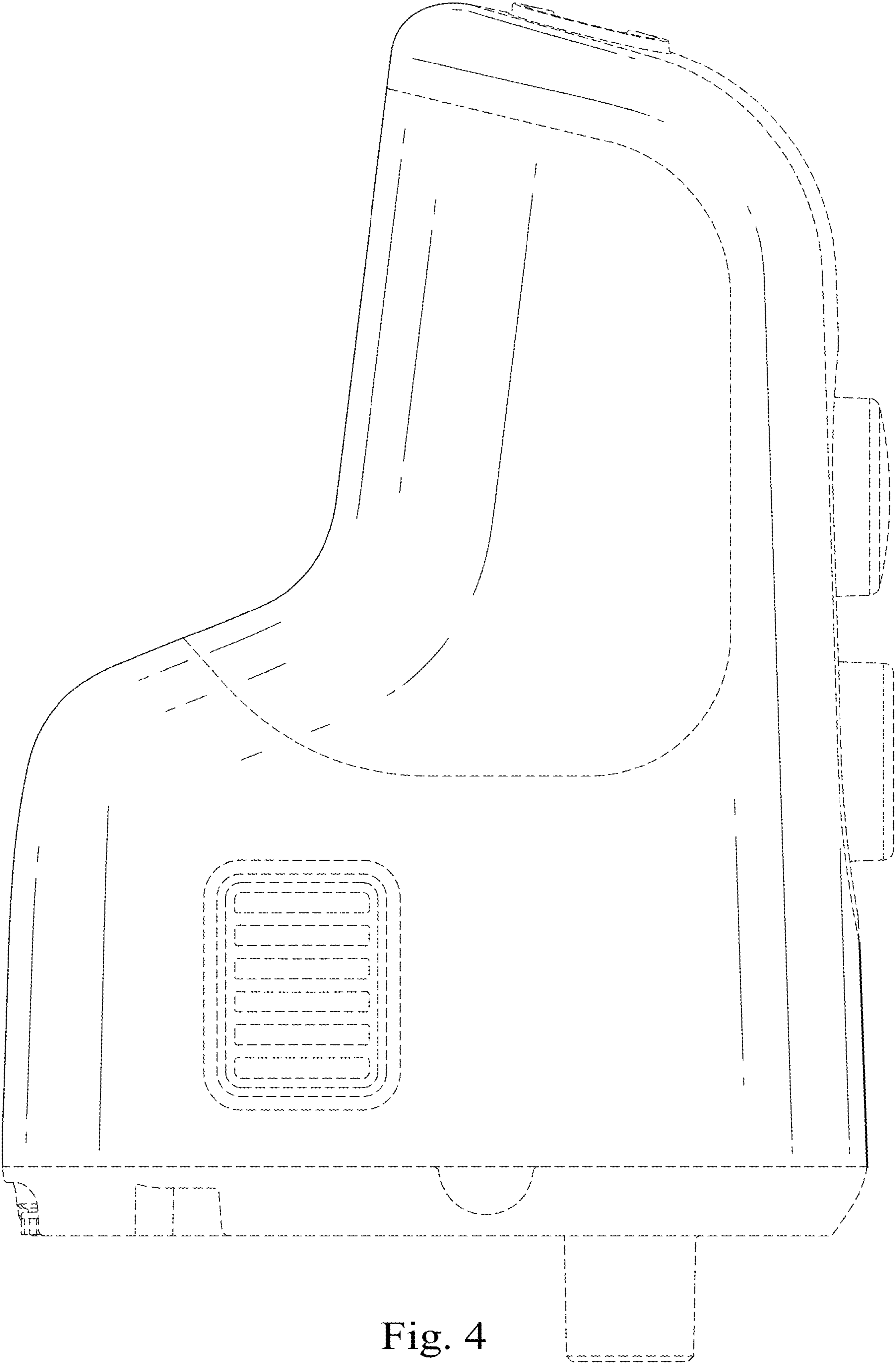


Fig. 4

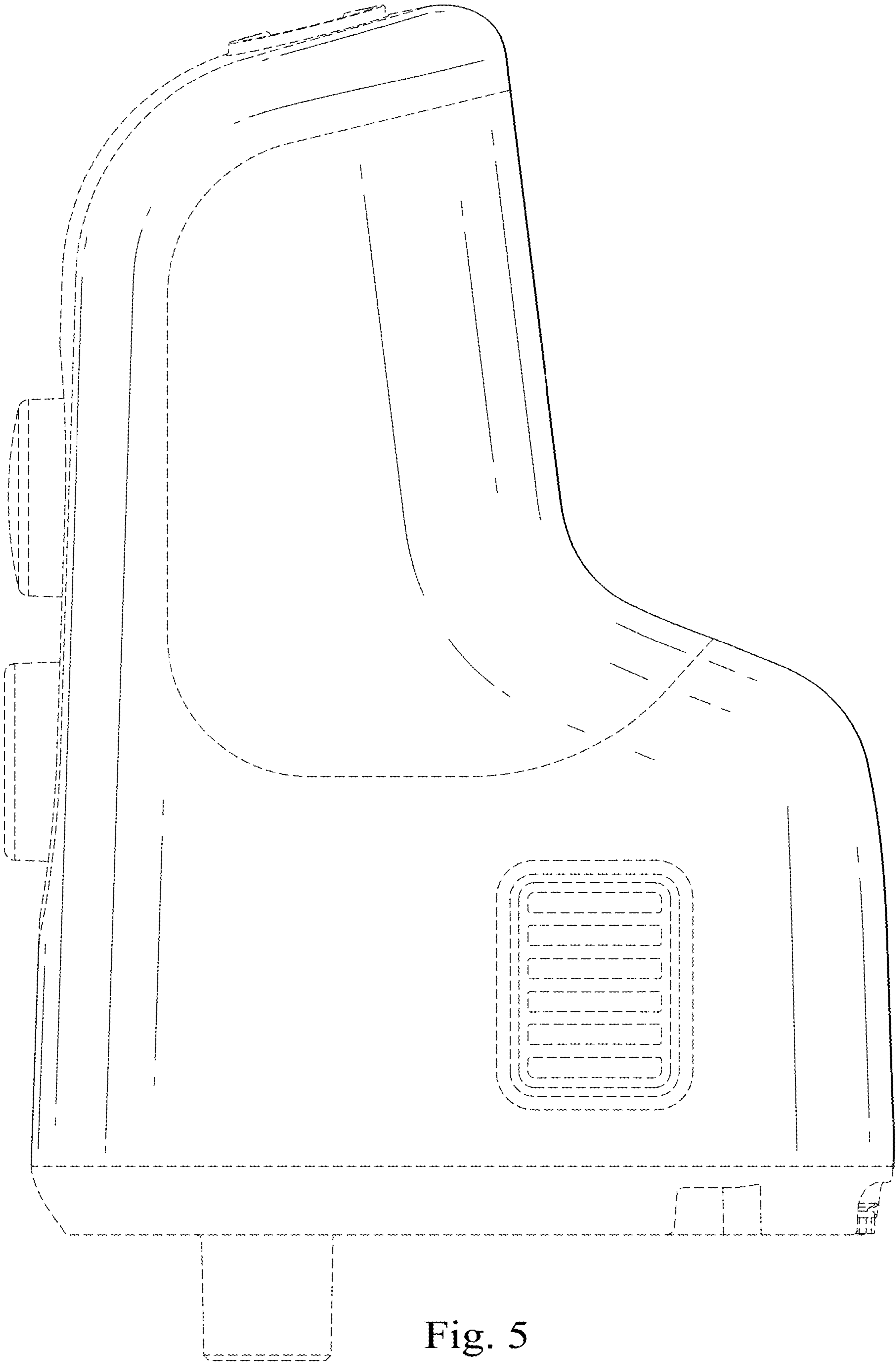


Fig. 5

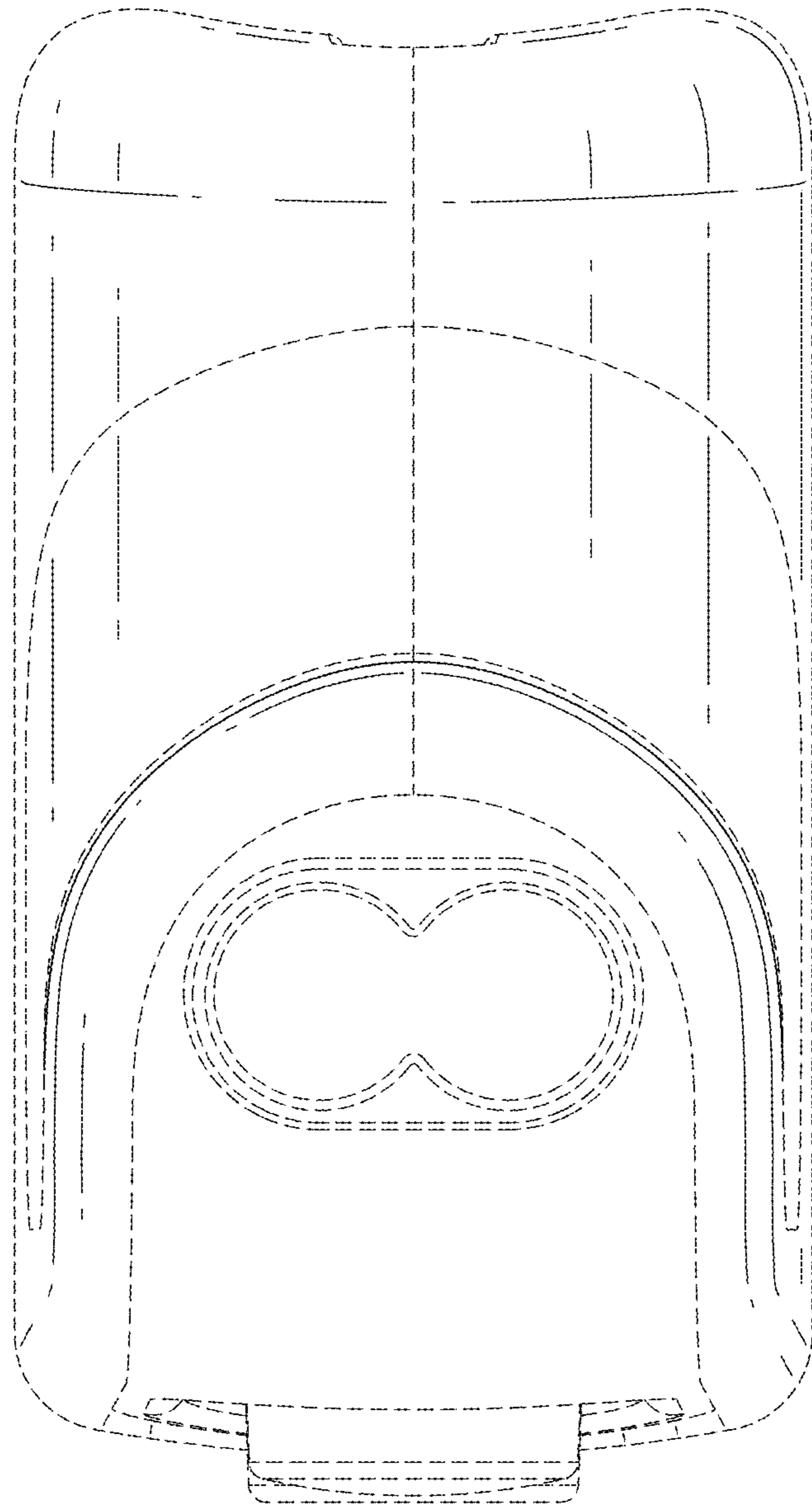


Fig. 6

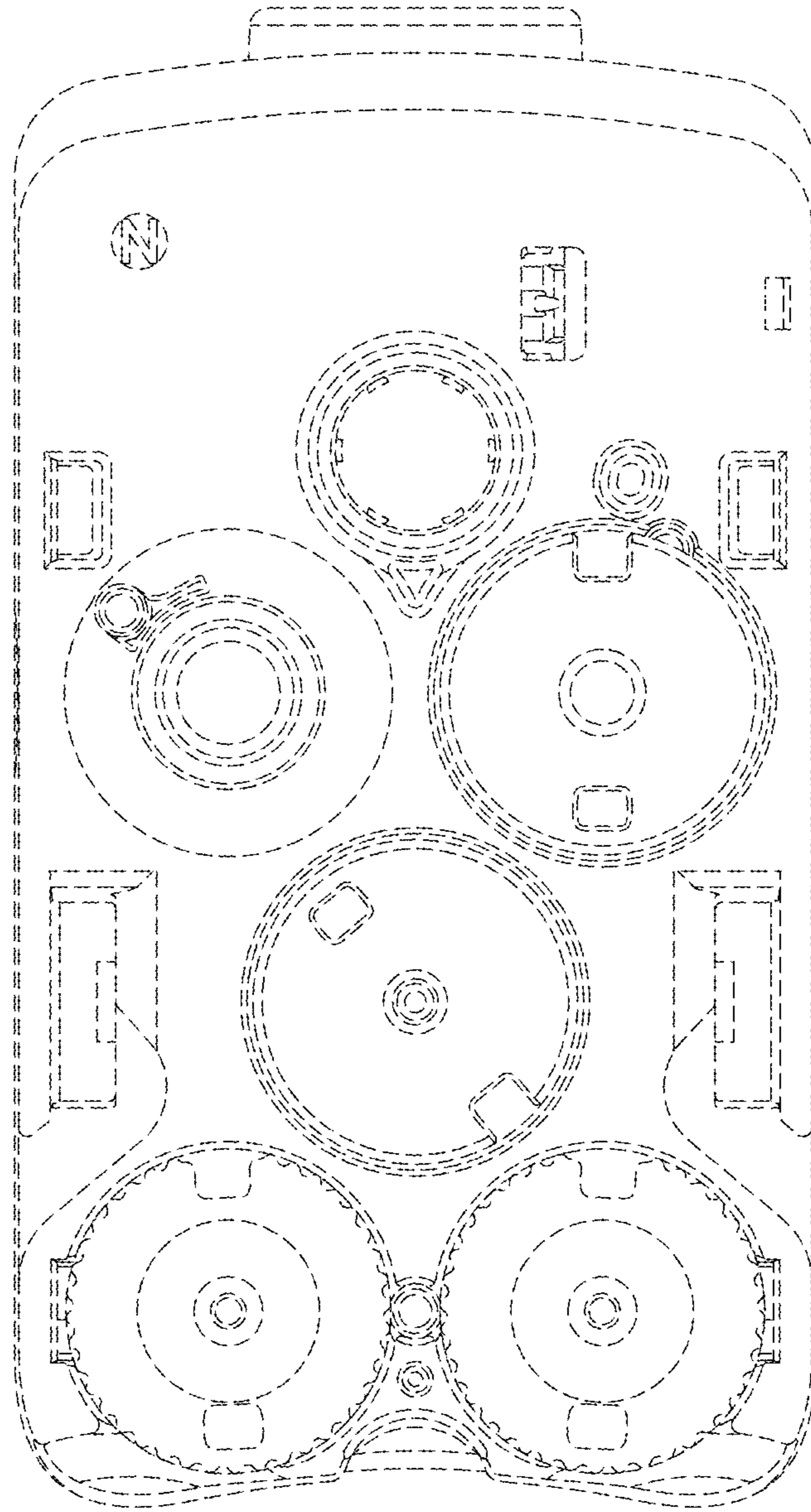


Fig. 7

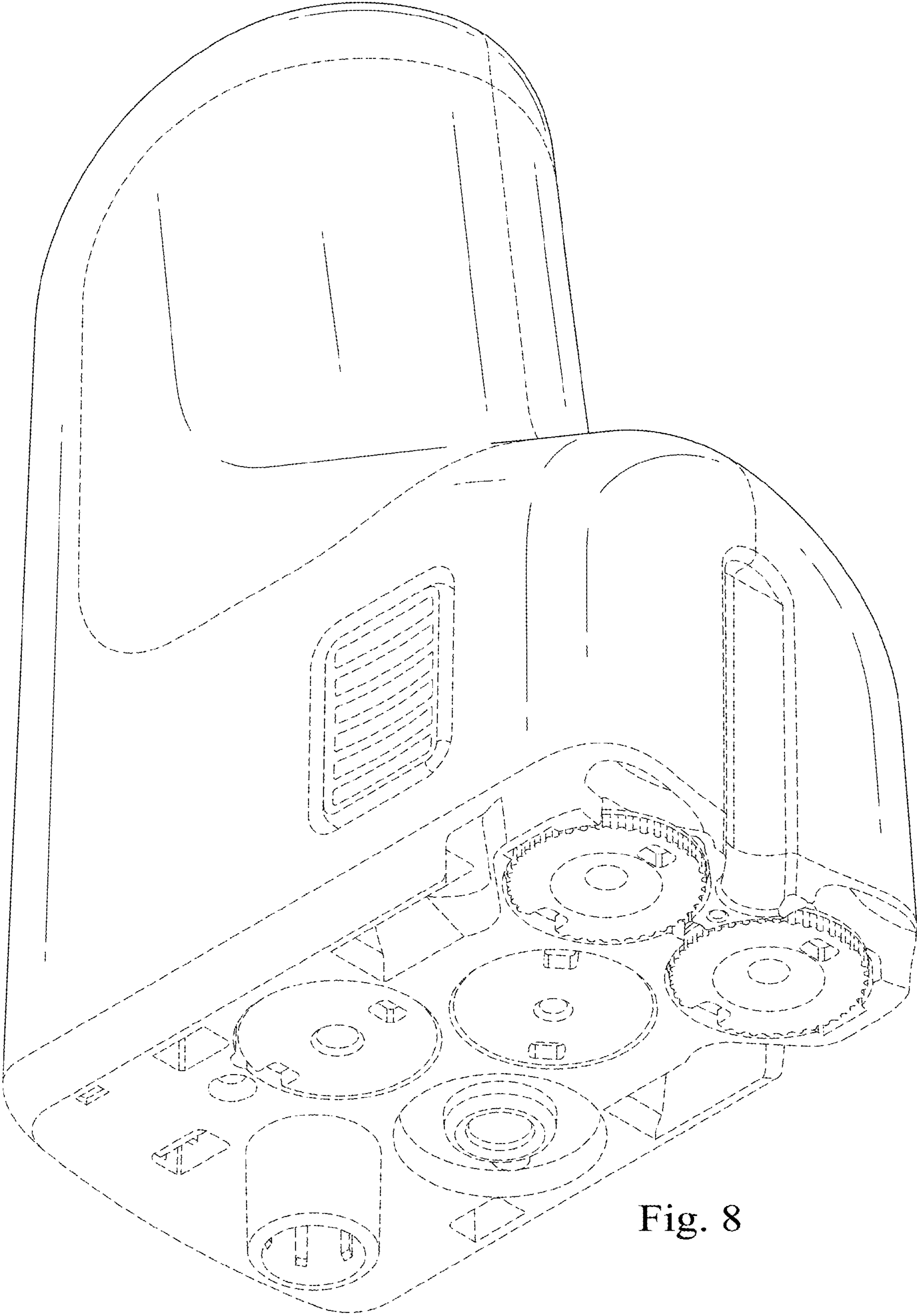
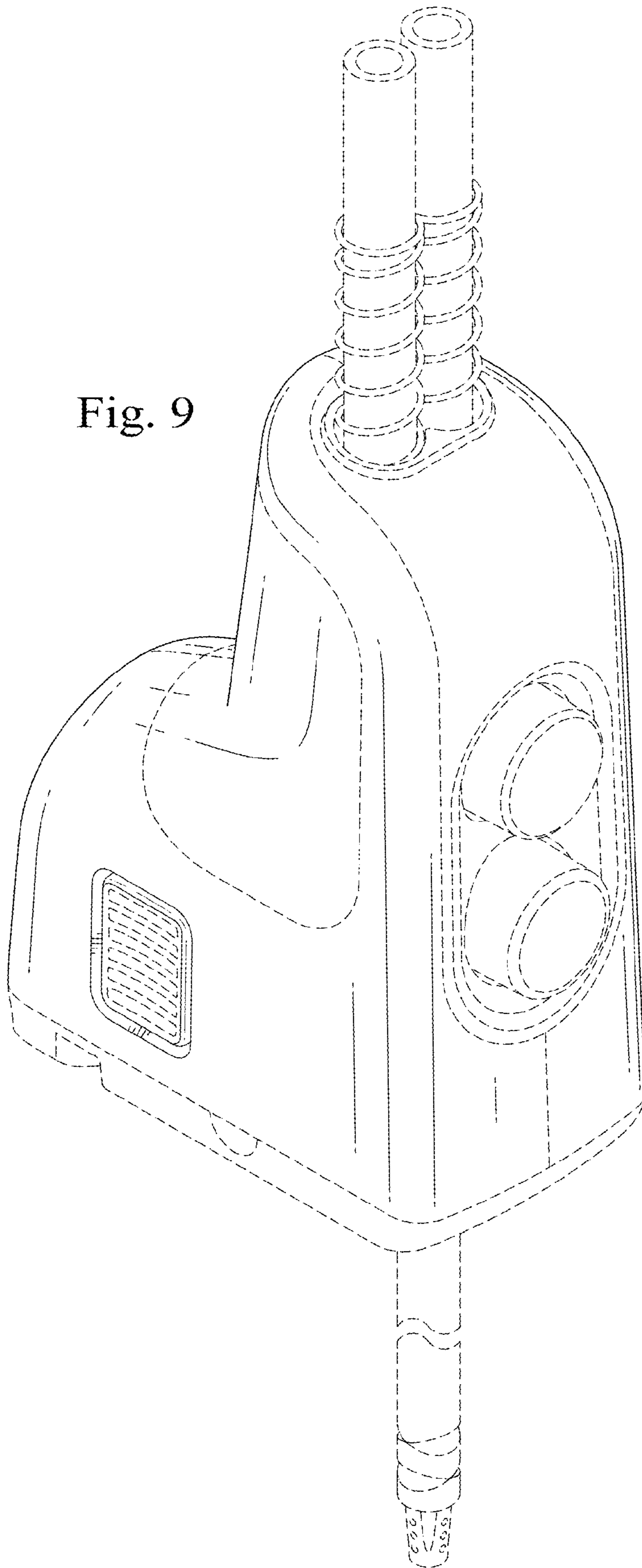


Fig. 8

Fig. 9



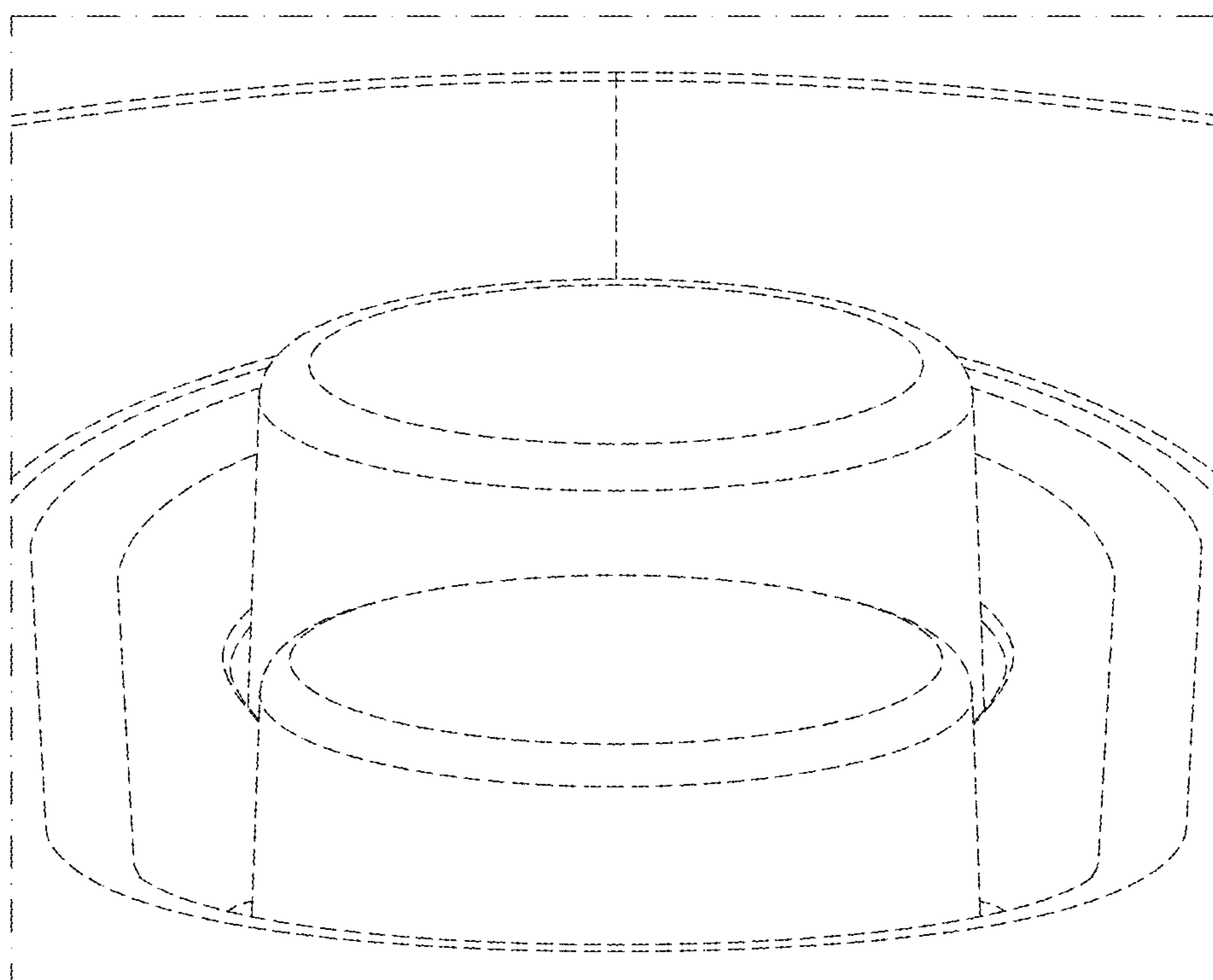


Fig. 10

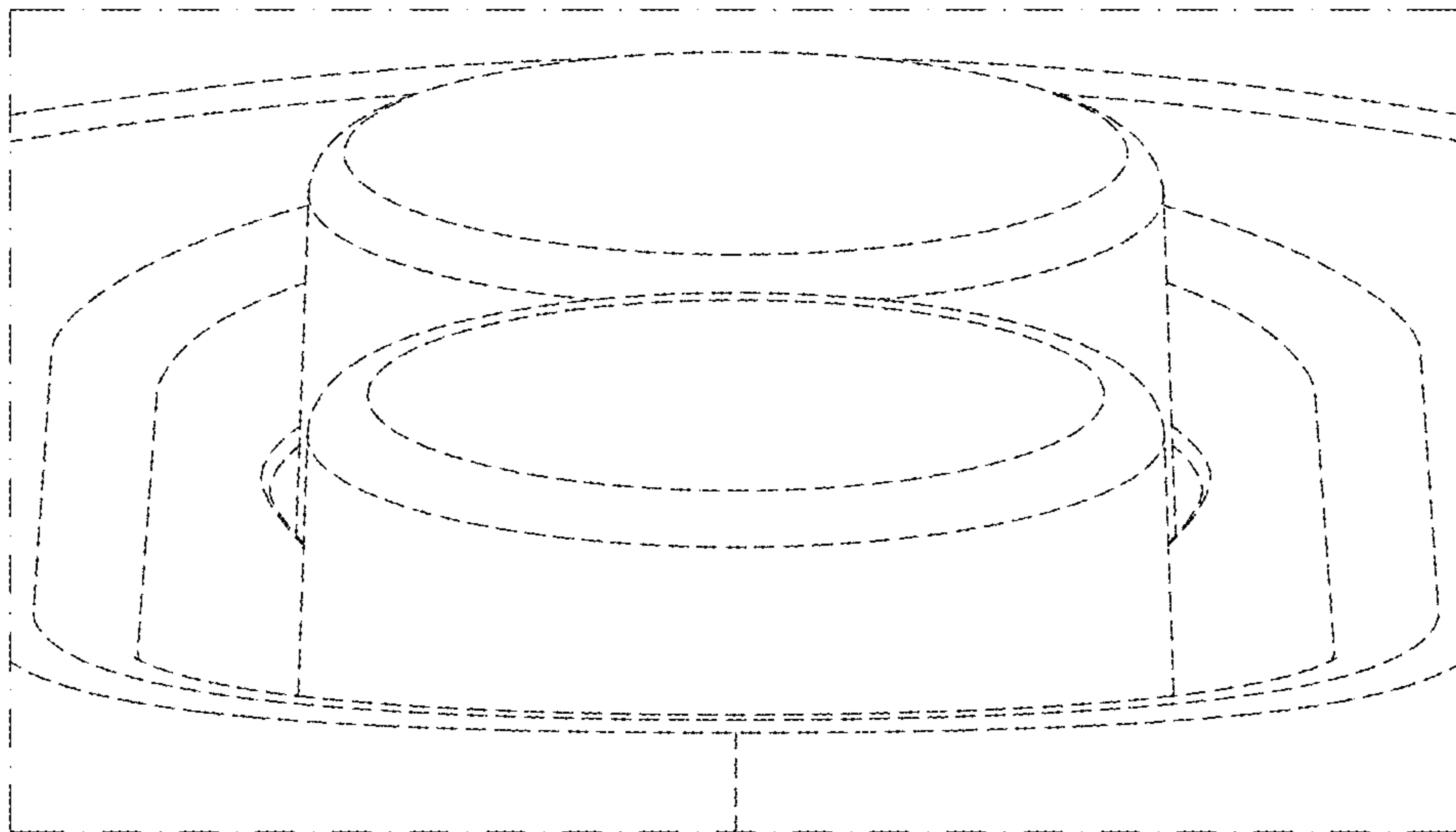


Fig. 11

Fig. 10

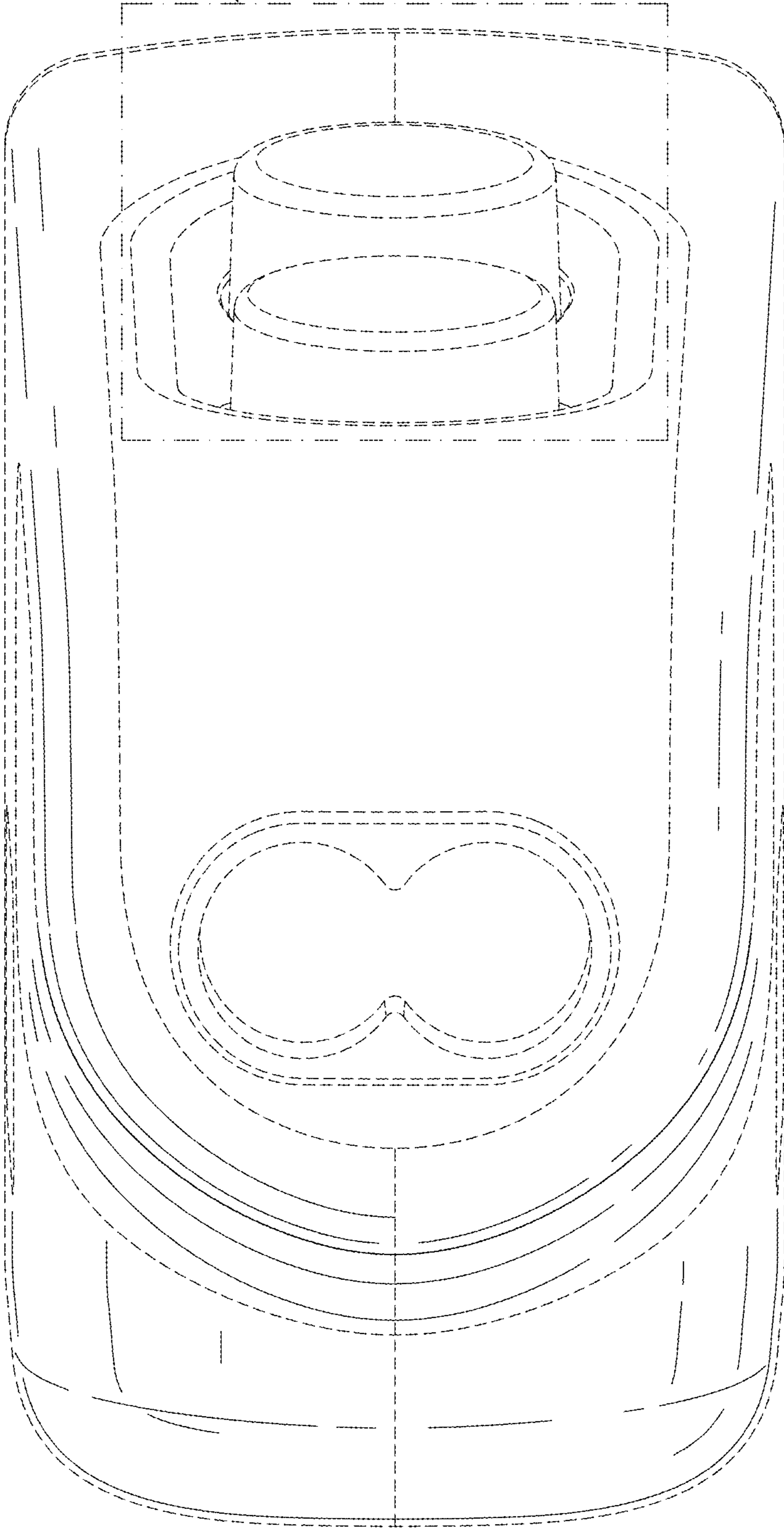


Fig. 12

Fig. 11

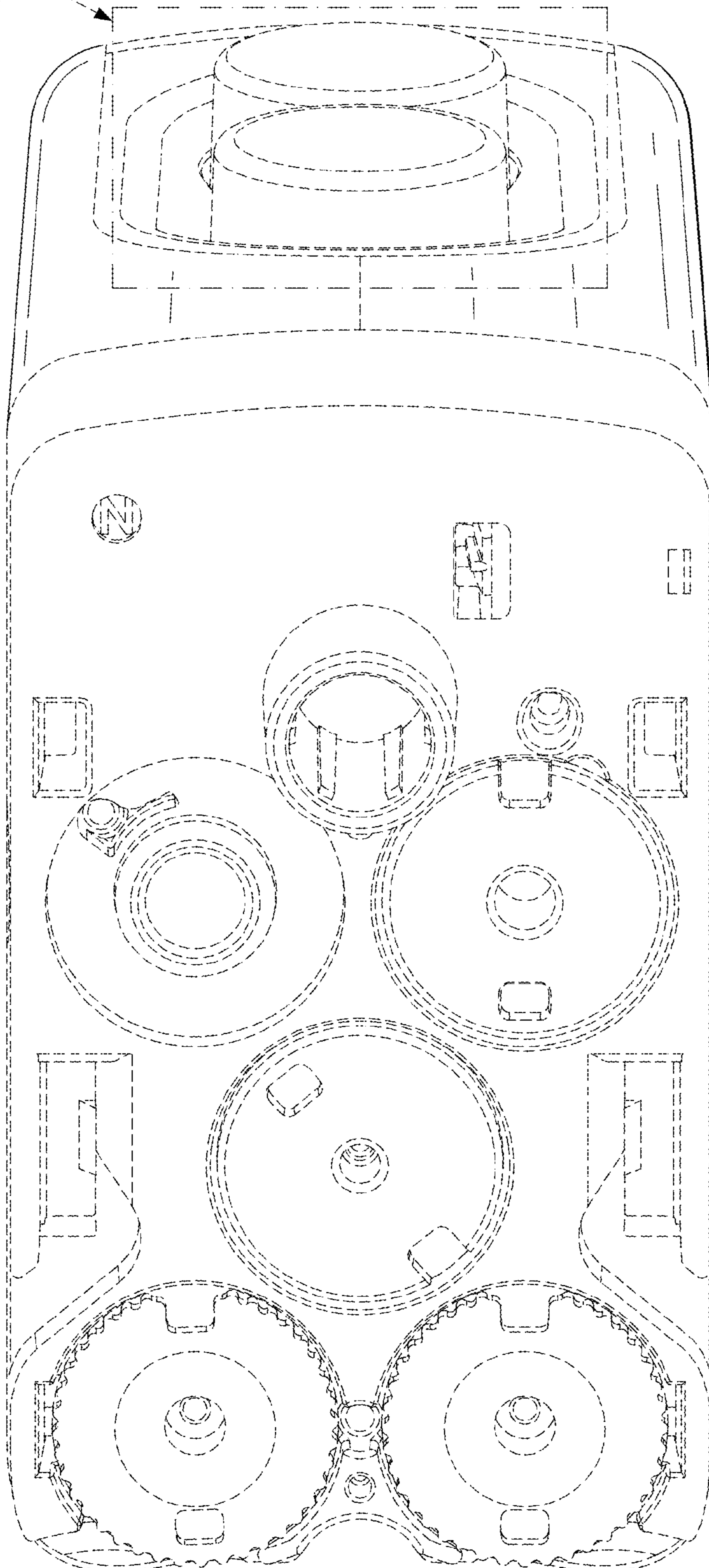


Fig. 13