



US00D935615S

(12) **United States Design Patent** (10) **Patent No.:** **US D935,615 S**
Ben Dor et al. (45) **Date of Patent:** **** Nov. 9, 2021**

(54) **HANDHELD BRAIN SCANNER**
(71) Applicant: **Infrascan, Inc.**, Philadelphia, PA (US)
(72) Inventors: **Baruch Ben Dor**, Radnor, PA (US);
David R. Schiff, Highland Park, NJ
(US); **Daniel Massam**, Langhorne, PA
(US); **Annie Deng**, Seattle, WA (US)
(73) Assignee: **INFRASCAN, INC.**, Philadelphia, PA
(US)

D832,725 S * 11/2018 Hagerty D10/78
D833,624 S * 11/2018 DeJong D24/186
D846,413 S * 4/2019 Wang D10/78
10,362,947 B2 7/2019 Mauge et al.
D886,304 S * 6/2020 Galkina D24/187
D908,157 S * 1/2021 Sun D24/138

(Continued)

FOREIGN PATENT DOCUMENTS

WO 0135815 5/2005

OTHER PUBLICATIONS

Cost Effective, Mobile Medical Imaging System for Detecting Brain Hematomas, Wharton Business Plan Competition Apr. 26, 2004, pp. 1-19.

(Continued)

Primary Examiner — Anhdao Doan
(74) *Attorney, Agent, or Firm* — Morgan, Lewis & Bockius LLP

(**) Term: **15 Years**
(21) Appl. No.: **29/729,389**
(22) Filed: **Mar. 26, 2020**
(51) **LOC (13) Cl.** **24-01**
(52) **U.S. Cl.**
USPC **D24/158**; D24/186
(58) **Field of Classification Search**
USPC D24/107, 158–161, 185, 186, 187, 137,
D24/138, 214; D14/426; D10/78
CPC ... A61B 8/0808; A61B 8/4455; A61B 8/4472;
A61B 8/4483; A61B 8/483; A61B
5/0075; A61B 5/14553
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a handheld brain scanner, as shown and described.

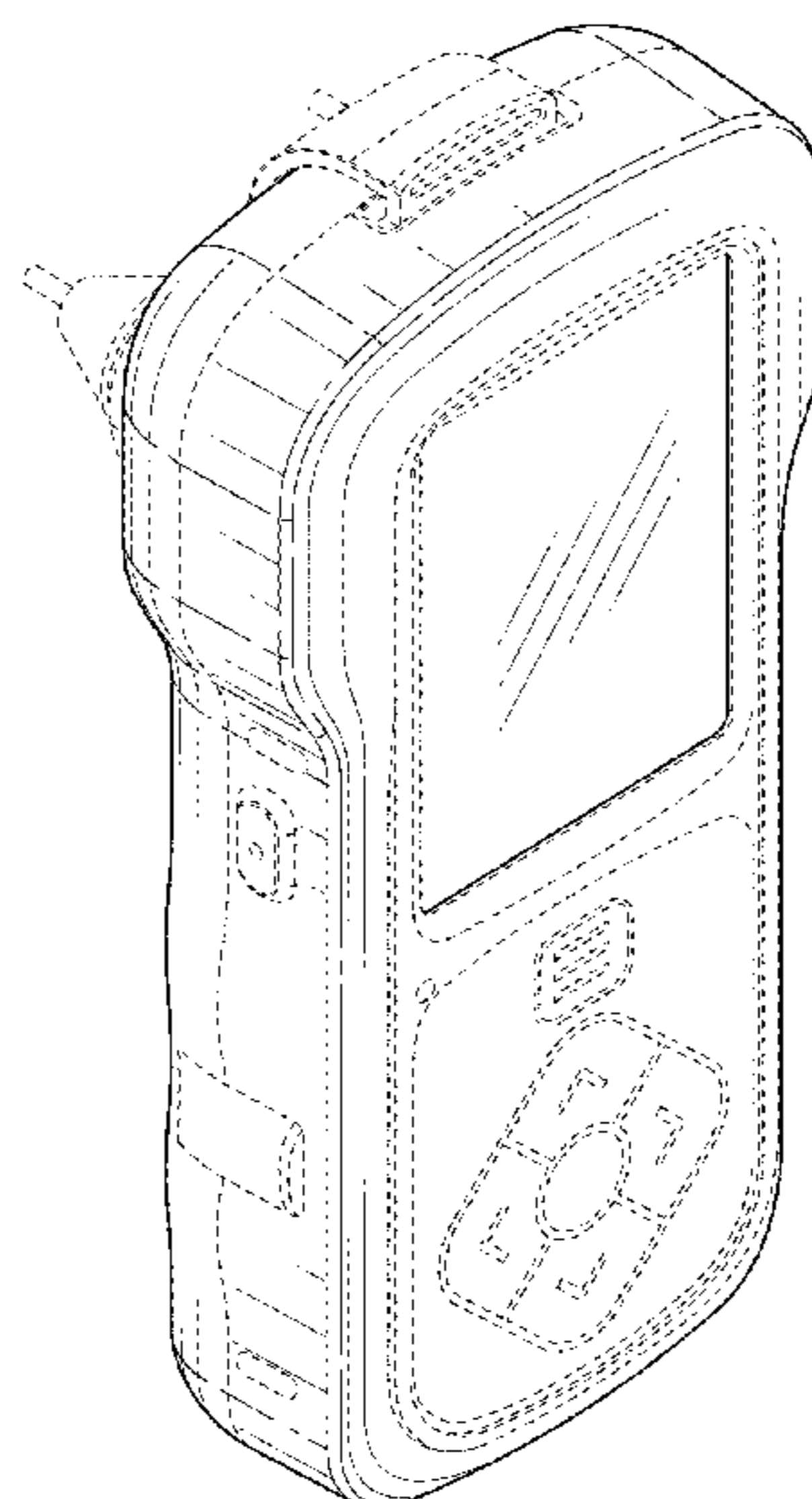
DESCRIPTION

FIG. 1 is a front perspective view of a handheld brain scanner showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left-side elevational view thereof;
FIG. 5 is a right-side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines immediately adjacent the shaded areas represent the bounds of the claimed design, while all other broken lines are directed to unclaimed portions; the broken lines form no part of the claimed design.

1 Claim, 4 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS

6,416,234 B1 7/2002 Watch et al.
D549,830 S * 8/2007 Behar D24/186
D568,479 S * 5/2008 Mao D24/168
7,510,533 B2 3/2009 Mauge et al.
7,682,313 B2 3/2010 Bodecker et al.
7,686,768 B2 3/2010 Bodecker et al.
D621,515 S * 8/2010 Chua D24/186
D647,621 S * 10/2011 Lee D24/186
8,060,189 B2 11/2011 Ben Dor et al.
D745,167 S * 12/2015 Canas D24/186
D767,764 S * 9/2016 Chamberlain D24/158
D790,708 S * 6/2017 Personelli D24/158
D809,146 S * 1/2018 Gil da Costa D24/186



(56)

References Cited

U.S. PATENT DOCUMENTS

D914,896 S * 3/2021 Hoshino D24/200
2006/0211945 A1 9/2006 Mauge et al.
2014/0155752 A1* 6/2014 Hwang A61B 8/462
600/447
2020/0229712 A1* 7/2020 Ben Dor A61B 5/14553

OTHER PUBLICATIONS

Portable Near Infrared Technology for Detection of Traumatic Brain Injuries in Operations Environments, Topic No. OSD04-Dh4 NIM Inc. Proposal No. O041-DH4-3004, p. 3-23.

* cited by examiner

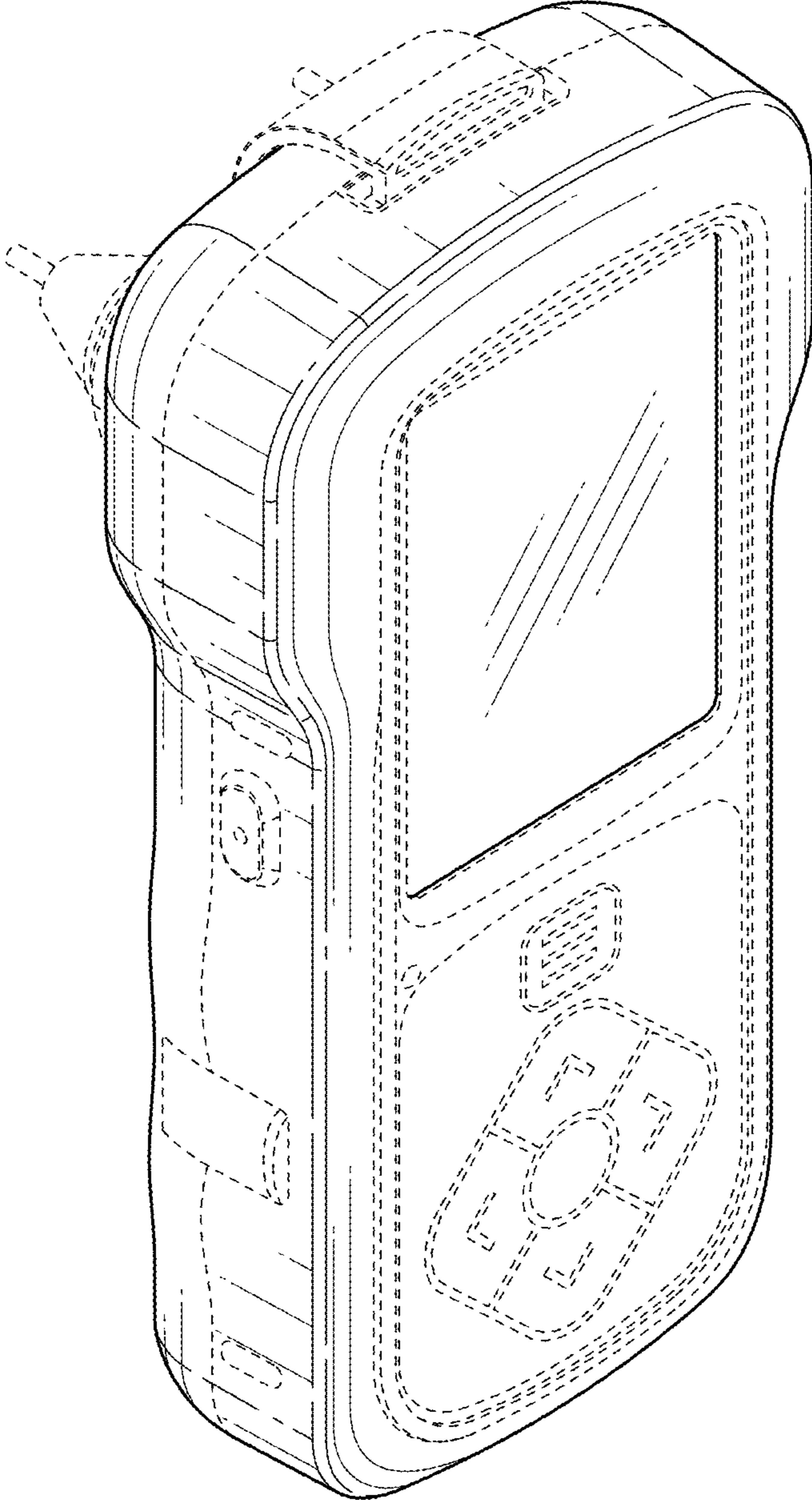


FIG. 1

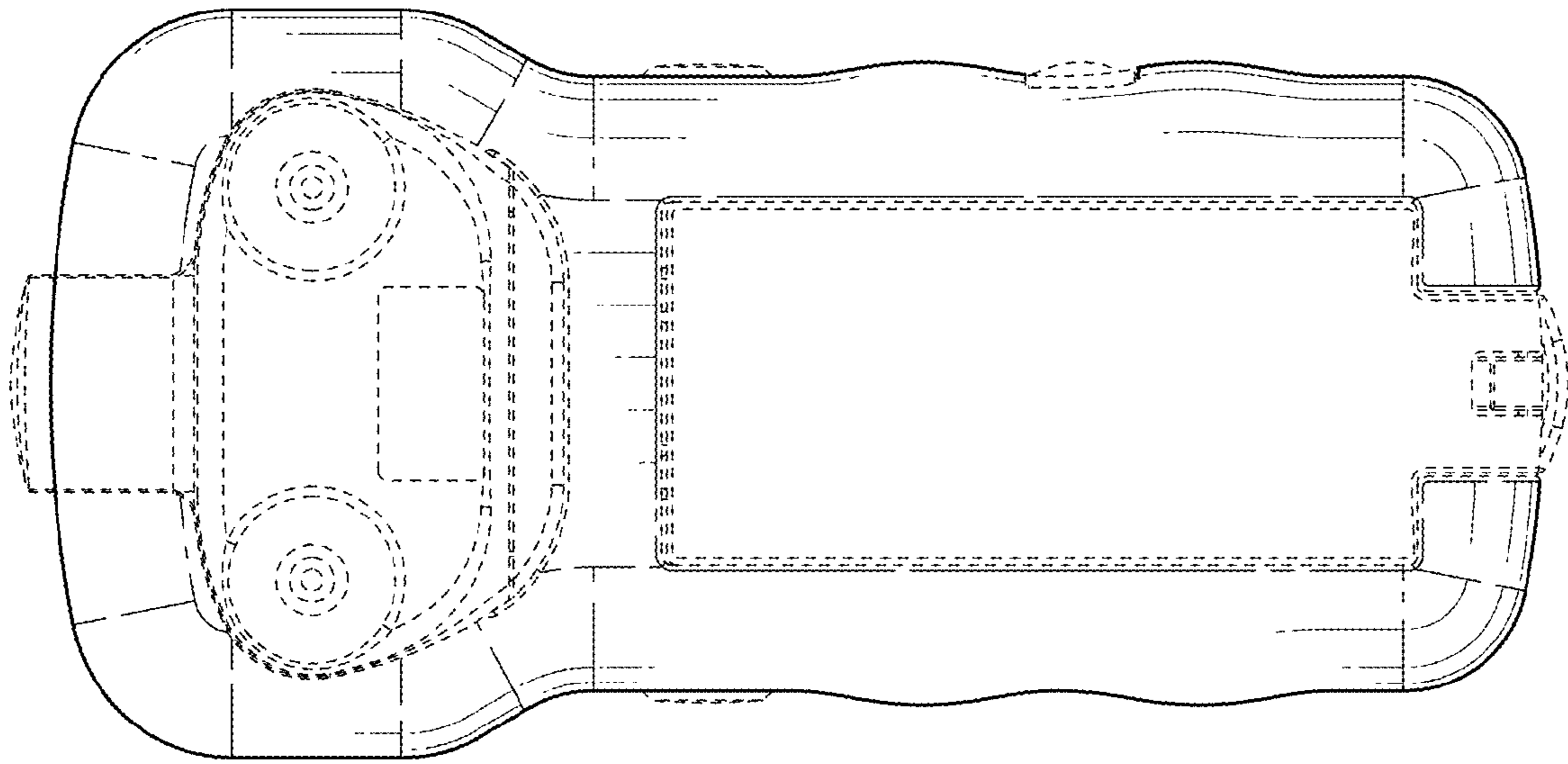


FIG. 3

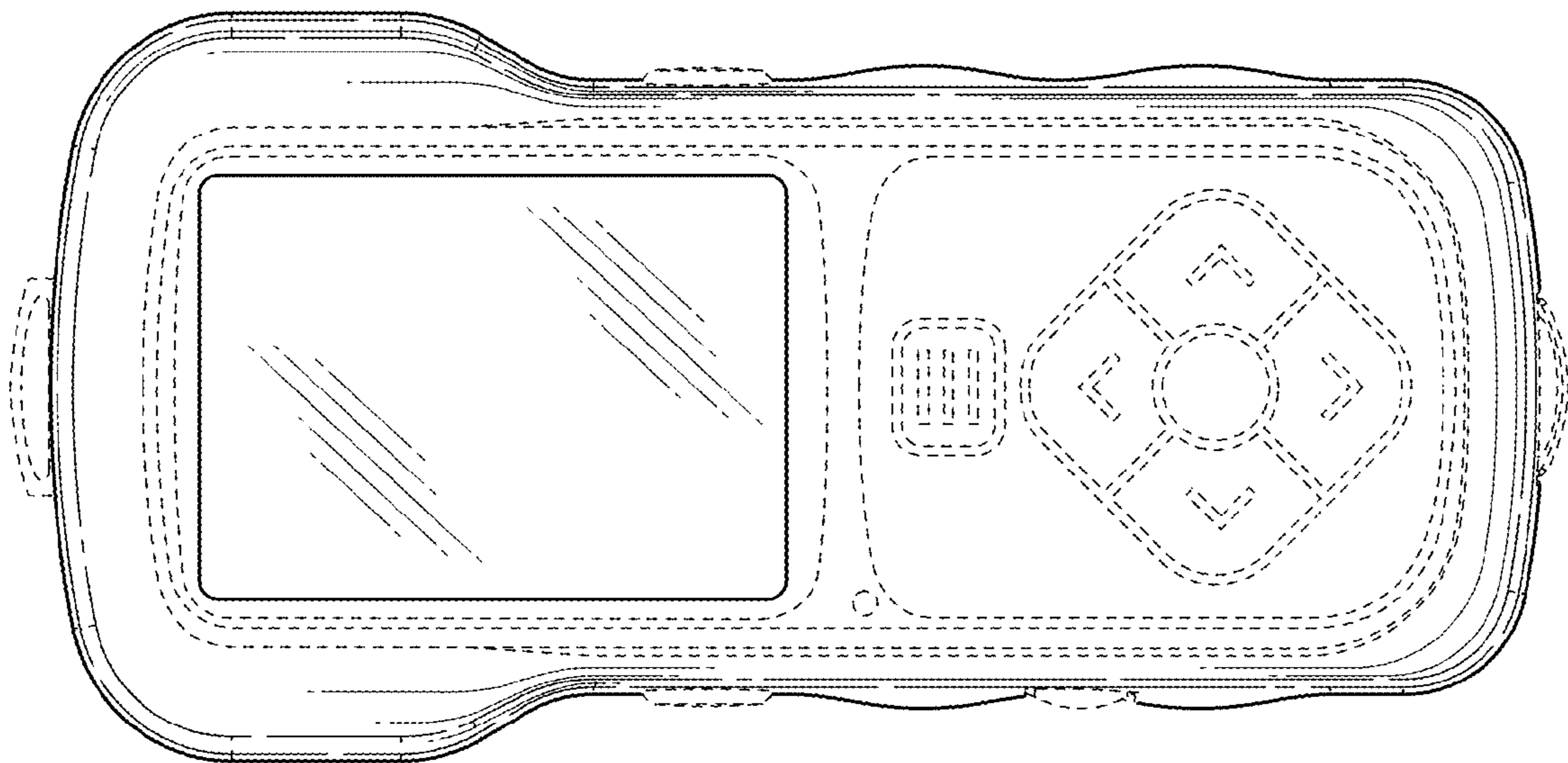


FIG. 2

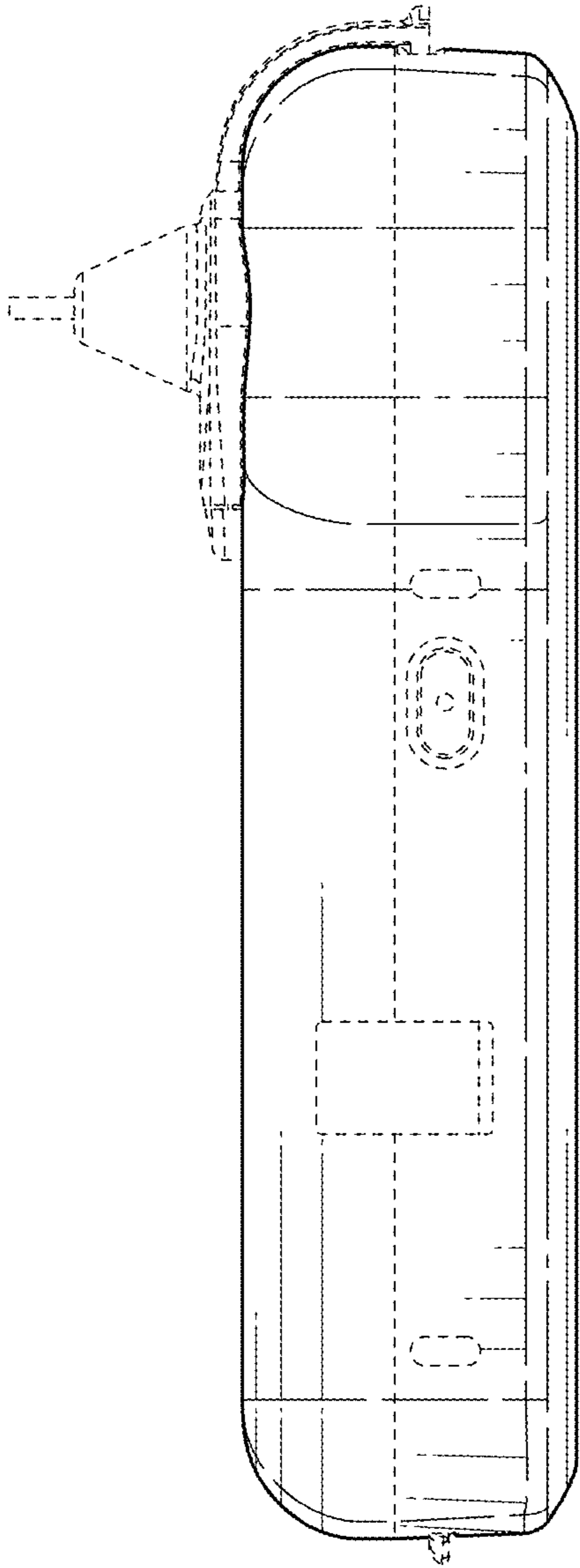


FIG. 4

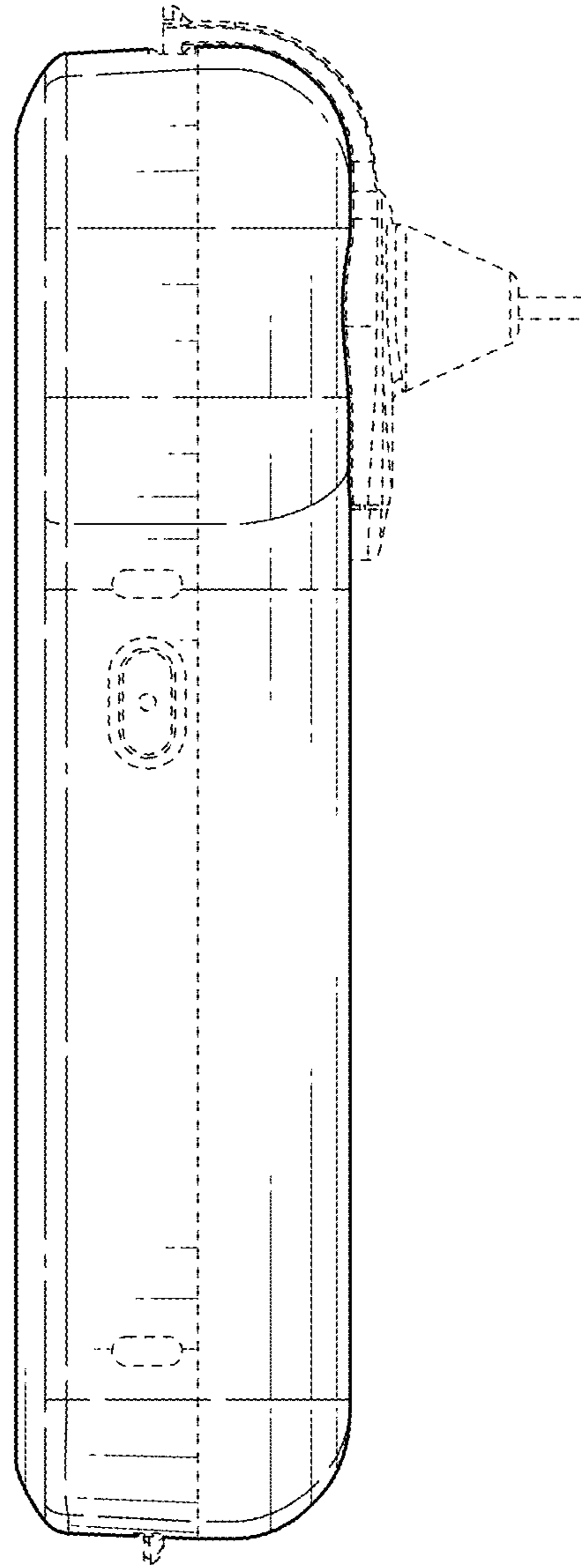


FIG. 5

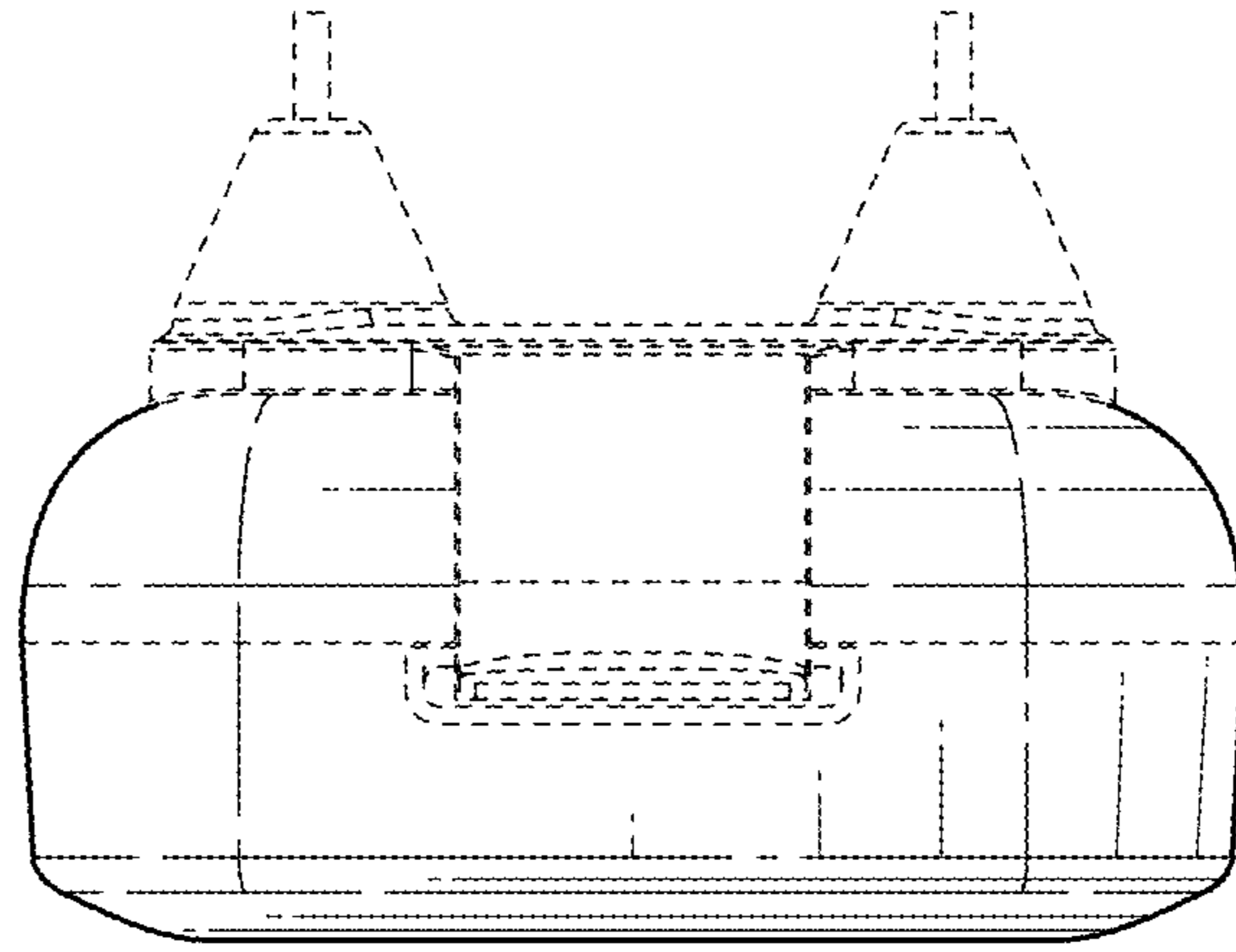


FIG. 6

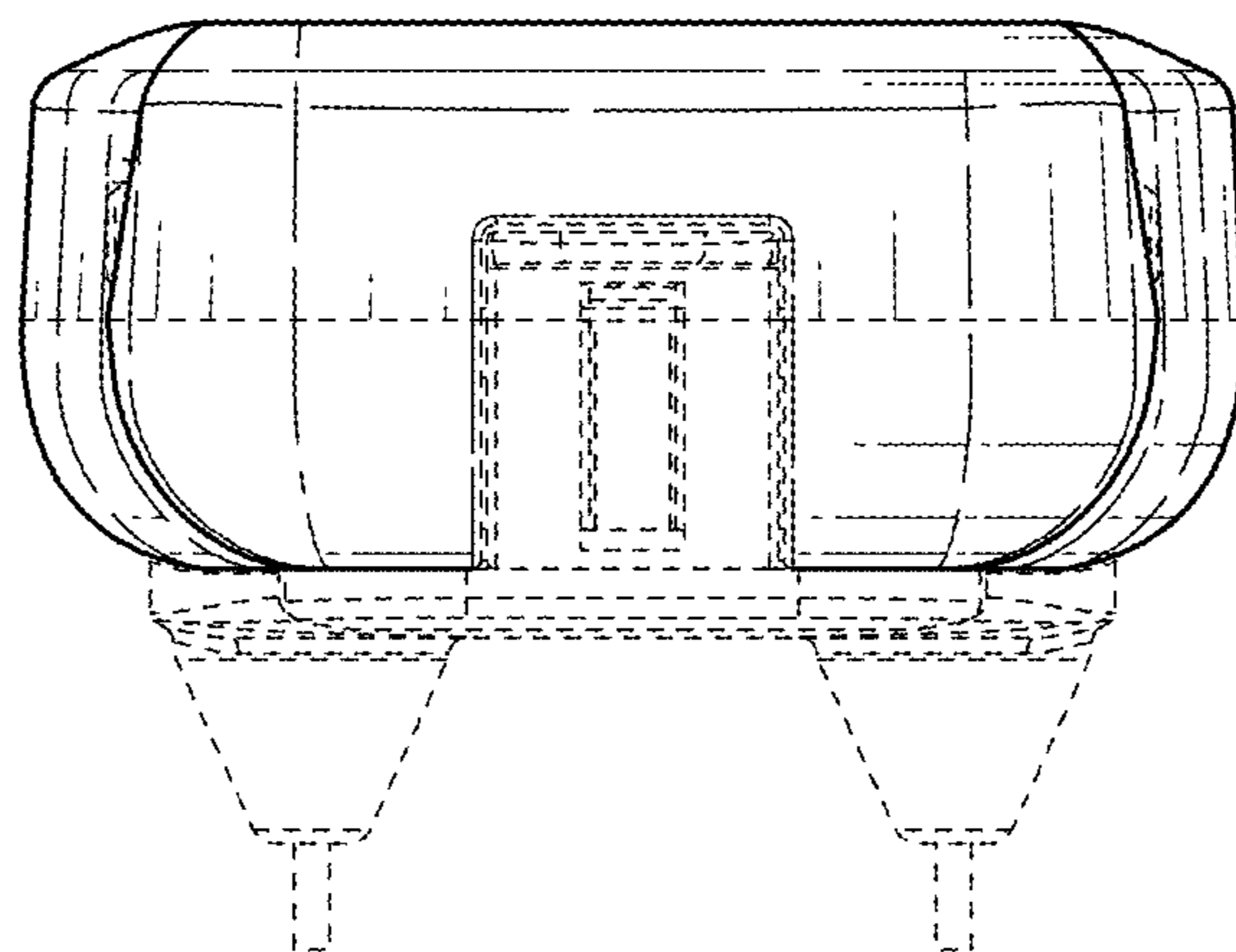


FIG. 7