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(12) **United States Design Patent** (10) **Patent No.:** **US D948,056 S**
Allum et al. (45) **Date of Patent:** **** *Apr. 5, 2022**

- (54) **HAND-HELD VENTILATOR**
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- (73) Assignee: **INOGEN, INC.**, Goleta, CA (US)
- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: **15 Years**
- (21) Appl. No.: **29/695,235**
- (22) Filed: **Jun. 17, 2019**

D676,136 S *	2/2013	Arimitsu	D24/186
D687,140 S *	7/2013	Guarraia	D24/108
D696,394 S *	12/2013	Lu	D24/110
D702,355 S	4/2014	Laplante et al.	
8,702,624 B2 *	4/2014	Alden	A61B 5/151 600/583
D741,492 S	10/2015	Formica et al.	
D741,497 S *	10/2015	Aber	D24/186
D769,438 S *	10/2016	Crosby	D24/110
D776,284 S	1/2017	Ratto et al.	
D776,802 S *	1/2017	Loew	D24/108
D777,902 S	1/2017	Souney	
D781,249 S	3/2017	Park et al.	
D787,463 S	5/2017	Maxwell et al.	
D789,545 S	6/2017	Pippel et al.	
D794,807 S	8/2017	Kranz et al.	
D797,936 S *	9/2017	Higashiyama	D24/164
D801,525 S *	10/2017	Ohno	D24/138

(Continued)

Related U.S. Application Data

- (63) Continuation of application No. 29/602,719, filed on May 2, 2017, now Pat. No. Des. 851,767.
- (51) **LOC (13) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/164**
- (58) **Field of Classification Search**
USPC D24/164, 108, 186, 129, 146, 110, 138,
D24/107, 170; D14/344
CPC A61B 1/00066; A61B 5/151
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D316,603 S *	4/1991	Fangrow, Jr.	D24/129
D493,519 S *	7/2004	Jonsson	D24/110
D531,725 S *	11/2006	Loerwald	D24/146
D544,605 S	6/2007	Gumisawa et al.	
D603,519 S *	11/2009	Tavidian	D24/186
D606,659 S *	12/2009	Kiani	D24/186
D621,515 S *	8/2010	Chua	D24/186

OTHER PUBLICATIONS

“Inogen TAV—Tidal Assist Ventilator Instructional Set Up With the Nidek Source 5 Oxygen Concentrator” found on the internet on Feb. 25, 2021 at <https://www.youtube.com/watch?v=HwdUhq008Sg>.*

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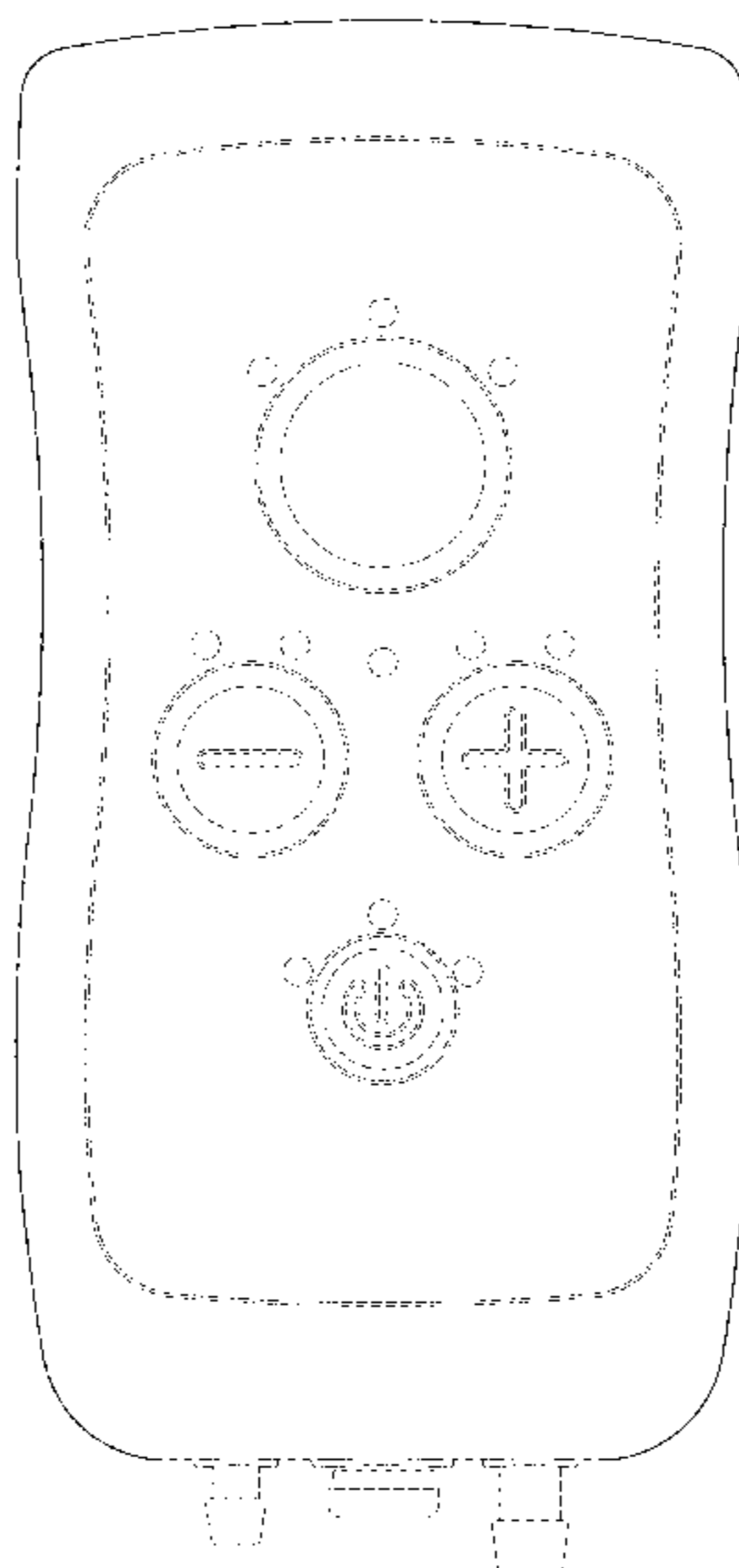
(57) **CLAIM**

The ornamental design for a hand-held ventilator, as shown and described.

DESCRIPTION

FIG. 1 is a top view of a hand-held ventilator, showing our new design;
FIG. 2 is a bottom view thereof;
FIG. 3 is a right isometric view thereof; and,
FIG. 4 is a left side view thereof.
The broken lines in the figures are for purposes of illustrating portions of the hand-held ventilator and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D802,132 S	11/2017	Ohno et al.	
D804,015 S *	11/2017	Lamba	D24/110
D811,596 S *	2/2018	Verbrugge	D24/164
D819,811 S	6/2018	Ohno et al.	
D820,446 S *	6/2018	Ohno	D24/138
D851,767 S *	6/2019	Allum	D24/164
D877,145 S *	3/2020	Shin	D14/344
D884,187 S *	5/2020	Robert	D24/164
D887,555 S *	6/2020	Uda	D24/170
D901,002 S *	11/2020	Finger	D24/110
D902,381 S *	11/2020	Inoue	D24/107
D902,413 S *	11/2020	Laurino	D24/186
D905,846 S *	12/2020	Mitchell	D24/110
2016/0220097 A1 *	8/2016	Ohno	A61B 1/00066

* cited by examiner

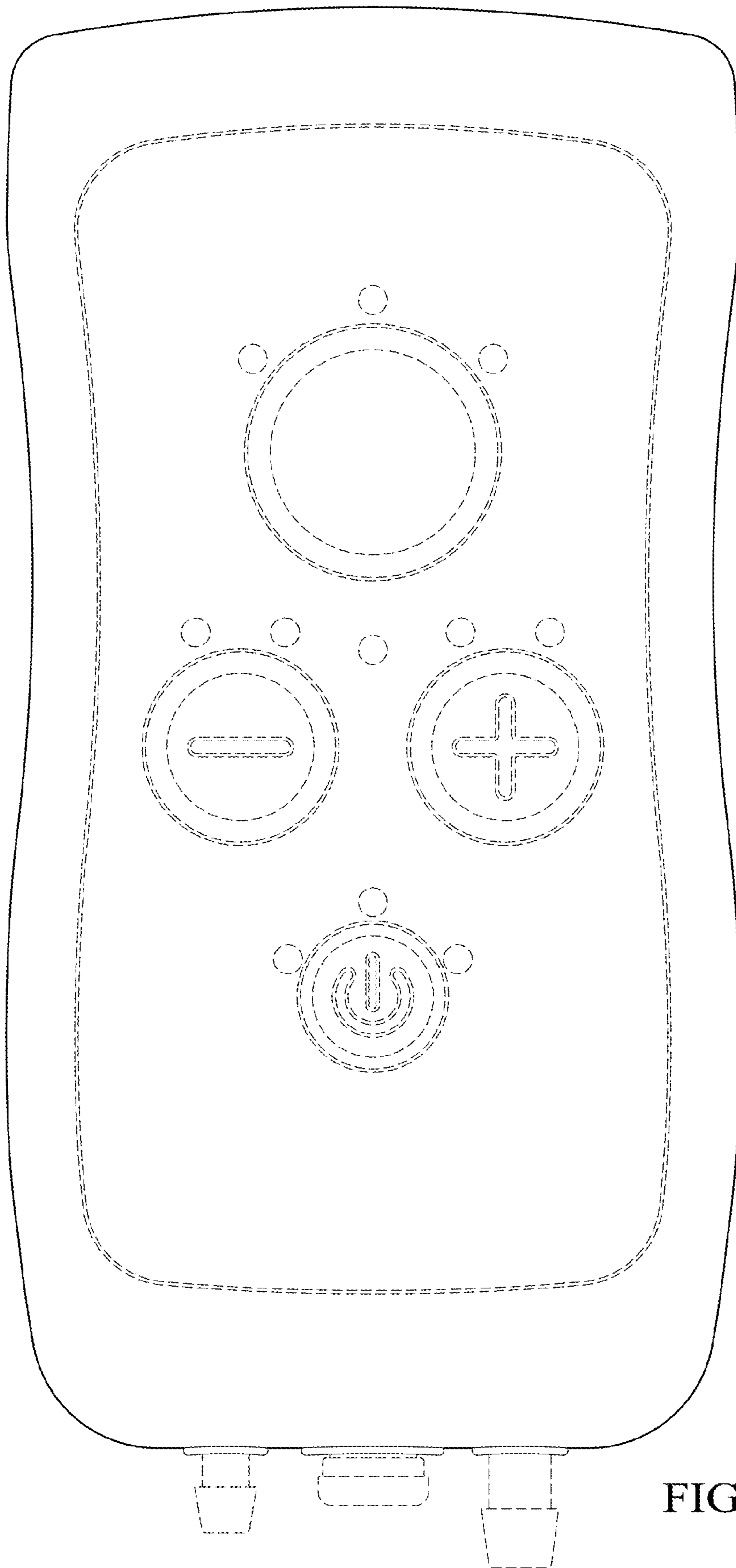


FIG. 1

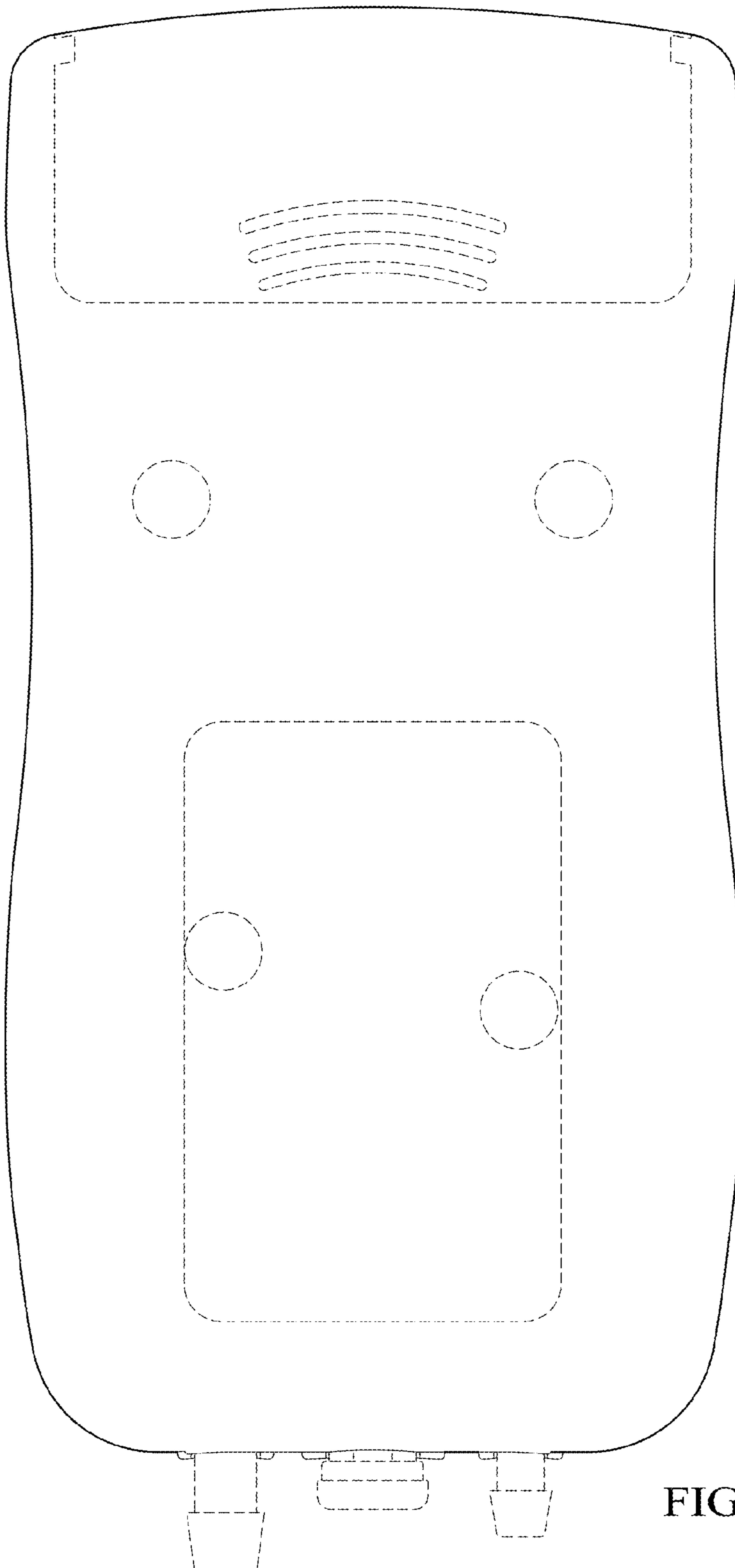


FIG. 2

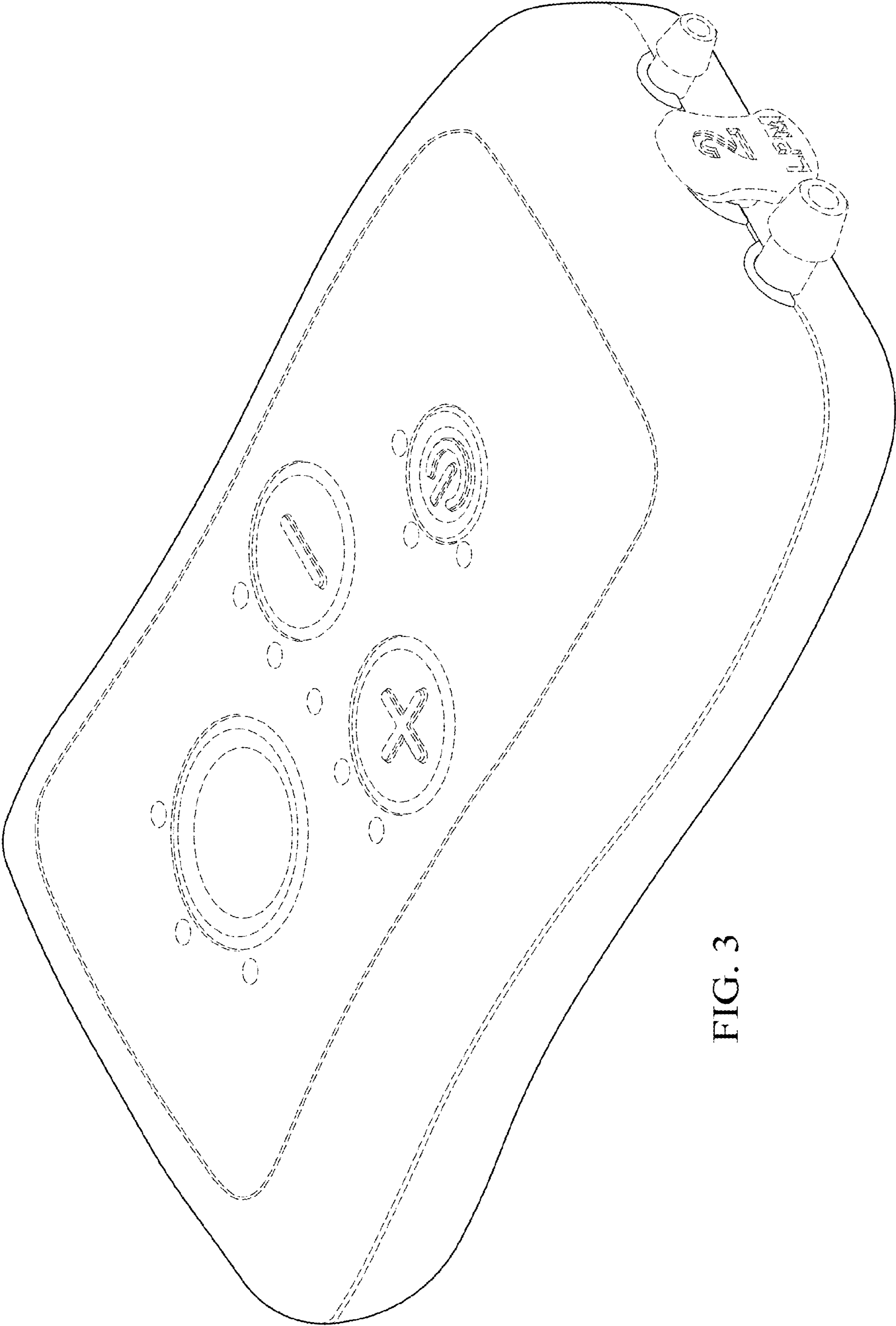


FIG. 3

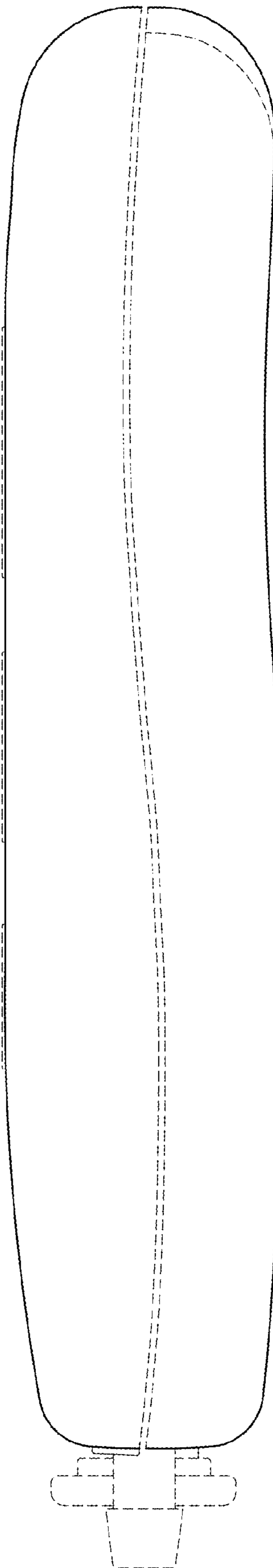


FIG. 4