

(12) **United States Design Patent**
Bradish, III et al.

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(54) **HANDHELD BREATH DETECTOR**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Consumer Safety Technology, LLC**,
Des Moines, IA (US)

(72) Inventors: **David Edward Bradish, III**, Clive, IA
(US); **Stephen Roger Nyberg**, Kansas
City, MO (US); **Ryan Daryl Zumbach**,
Seattle, WA (US); **Eric Robert**
Hoofman, Merriam, KS (US); **Kathryn**
Ann Kanne, Merriam, KS (US);
Nicholas Greusel, Overland Park, KS
(US)

(73) Assignee: **Consumer Safety Technology, LLC**,
Des Moines, IA (US)

CA 209969 8/2023
CA 209968 10/2023
(Continued)

OTHER PUBLICATIONS

Mini Home Breathalyzer. Apr. 1, 2021. Site visited Sep. 16, 2023.
[https://www.amazon.com/dp/B091J1DQHL/ref=sspa_dk_detail_4?
psc=1&pd_rd_i=B091J1DQHL&pd_rd_w=OTrCE&content-id=
amzn1.sym.0d1092dc-81bb-493f-8769-d5c802257e94&pf_rd_p=
0d1092dc-81bb-493f-8769-d5c802257e94&pf_rd_r=
3KDHY84HPDFK5J3CVYHN&pd_rd_wg=Ym3TN&pd_rd_r=
fd191e0c-b379-4e6c-90d7-5e20eb885054&s=beauty&sp_csd=
d2lkZ2V0TmFtZT1zcF9kZXRhaWwy] (Year: 2021).*

(Continued)

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

Primary Examiner — Wendy L Arminio
Assistant Examiner — Maheen Khurshid
(74) *Attorney, Agent, or Firm* — Pauly, DeVries Smith &
Deffner LLC

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(51) **LOC (14) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/107**; D24/164; D10/81

(58) **Field of Classification Search**
USPC D24/107, 164, 133, 146, 200, 209, 214,
D24/188; D10/78, 80, 81, 85, 94, 96
CPC A61B 5/082; A61B 5/097; A61B 5/0836;
A61B 5/087; A61B 5/42; A61B 5/083;
A61B 5/0833; A61B 5/091; A61B 5/222;
A61B 5/0002; A61B 5/02438; A61B
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See application file for complete search history.

(57) **CLAIM**

The ornamental design for a handheld breath detector, as
shown and described.

DESCRIPTION

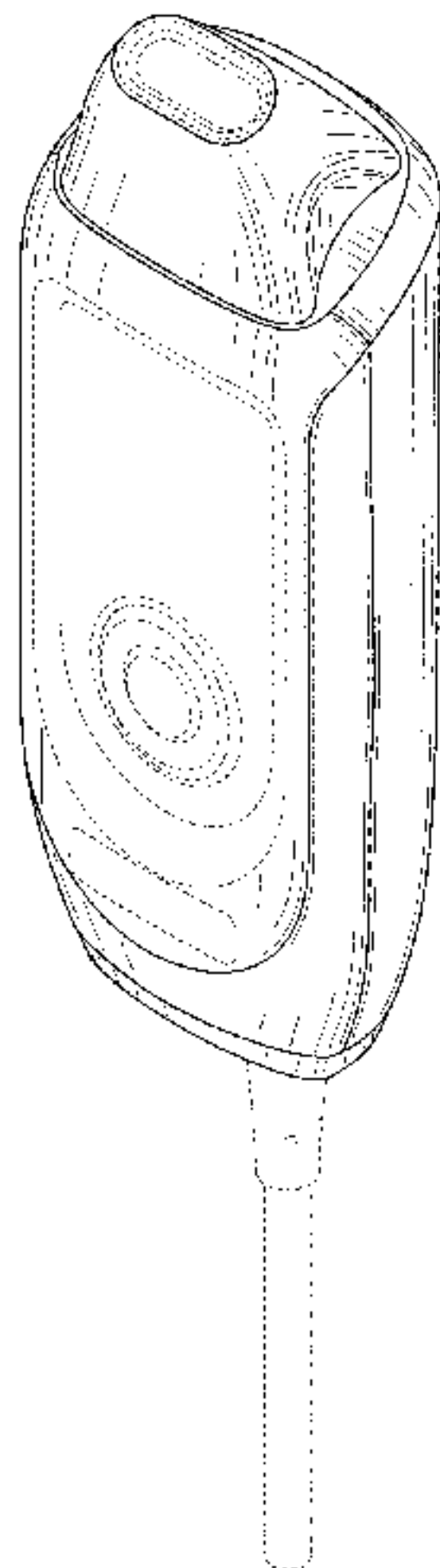
FIG. 1 is a top front right side perspective view of a
handheld breath detector.
FIG. 2 is a front view of the handheld breath detector of FIG.
1.
FIG. 3 is a rear view of the handheld breath detector of FIG.
1.
FIG. 4 is a right side view of the handheld breath detector
of FIG. 1.
FIG. 5 is a left side view of the handheld breath detector of
FIG. 1.
FIG. 6 is a top view of the handheld breath detector of FIG.
1; and,
FIG. 7 is a bottom view of the handheld breath detector of
FIG. 1.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D661,999 S * 6/2012 Pulford D10/78
D710,223 S * 8/2014 Nothacker D10/78
D749,441 S * 2/2016 Rekow D10/78
(Continued)

(Continued)



The broken lines in the drawings illustrate portions of the handheld breath detector that form no part of the claim.

1 Claim, 5 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

D775,350	S	*	12/2016	Buess	.....	D24/164
D822,515	S	*	7/2018	Fornoff	.....	D10/81
D827,467	S	*	9/2018	Fornoff	.....	D10/81
D828,192	S	*	9/2018	Fornoff	.....	D10/81
D834,974	S	*	12/2018	Nothacker	.....	D10/81
D864,775	S	*	10/2019	Nothacker	.....	D10/81
D902,381	S	*	11/2020	Inoue	.....	D24/107
D903,852	S	*	12/2020	Inoue	.....	D24/107
D933,812	S	*	10/2021	Lary	.....	D24/164
D965,788	S	*	10/2022	Buess	.....	D24/164
2010/0063408	A1	*	3/2010	Nothacker	.....	G01N 33/4972 600/532
2014/0155777	A1	*	6/2014	Kong	.....	G01N 33/4972 600/532

FOREIGN PATENT DOCUMENTS

CA	224427		10/2023
GB	6189270	*	1/2022
GB	6189271	*	1/2022

OTHER PUBLICATIONS

“Breathalyzer FC100 Ignition Interlock,” Training Video for LifeSafer Ignition Interlock device published by RealAutoSolution on Youtube Nov. 13, 2012. URL <<https://www.youtube.com/watch?v=PX6ki8kJ9fQ>> (3 pages).

“Draeger Alcotest 3820 Alcohol Screening Device,” Draeger Product Description 2017 (6 pages).
“FC100 Ignition Interlock User’s Guide,” LifeSafer Ignition Interlock User manual published May 8, 2020 (24 pages).
“L250 Ignition Interlock User’s Guide,” LifeSafer Ignition Interlock User manual published Nov. 2015 (24 pages).
“LCI-777 Handset Reference and Troubleshooting User Guide,” LowCost Interlock Device Operations Manual published at least as early as Apr. 4, 2018 (12 pages).
Ogle, Robert “Smart Start Introduces Revolutionary Flex as its Latest Ignition Interlock Device,” Smart Start Press Release Apr. 15, 2021 (2 pages).
“RS588G Volunteer Ignition Interlock Breathalyzer,” SkyFine USA Voluntary Use Interlock Device Description available at URL <<https://www.skyfineusa.com/product/rs588g-volunteer-ignition-interlock-breathalyzer>> at least as early as Nov. 5, 2016 (4 pages).
“Smart Start Devices,” 2020 Device Manual page accessible at <Smartstartinc.com/clients/manuals/> (3 pages).
“SSI-20/30 User Instructions,” Smart Start User Instructions for SSI-20/30 published Oct. 15, 2009 (2 pages).
“BACtrack C-Series Breathalyzer Mouthpieces,” Mar. 21, 2018, <https://www.amazon.com/bactrack-breathalyzer-mouthpieces-compatible-alcohol/dp/B07BP9BV23?th=1>, visited Sep. 13, 2023 (6 pages).
“BACtrack Mobile Smartphone Breathalyzer,” Mar. 28, 2018, <https://www.amazon.com/dp/B07BWL2DKH/>, visited Sep. 13, 2023 (6 pages).
“Examination Report,” for Canadian Design Application No. 209968 dated Aug. 7, 2023 (2 pages).
“Non-Final Office Action,” for U.S. Appl. No. 29/801,377 dated Oct. 3, 2023 (13 pages).
“Response to Examination Report,” for Canadian Patent Application No. 209968 filed Sep. 22, 2023 (10 pages).
“Notice of Allowance,” for U.S. Appl. No. 29/801,377 mailed Jan. 23, 2024 (11 pages).
“Response to Non Final Office Action,” for U.S. Appl. No. 29/801,377, filed on Nov. 30, 2023 (6 pages).

* cited by examiner

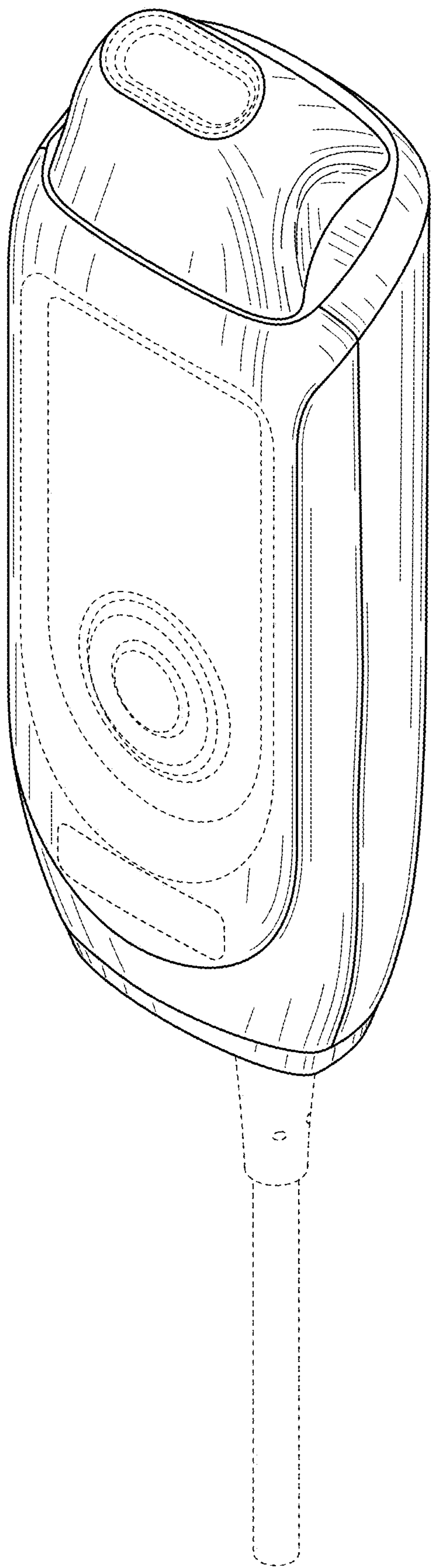


FIG. 1

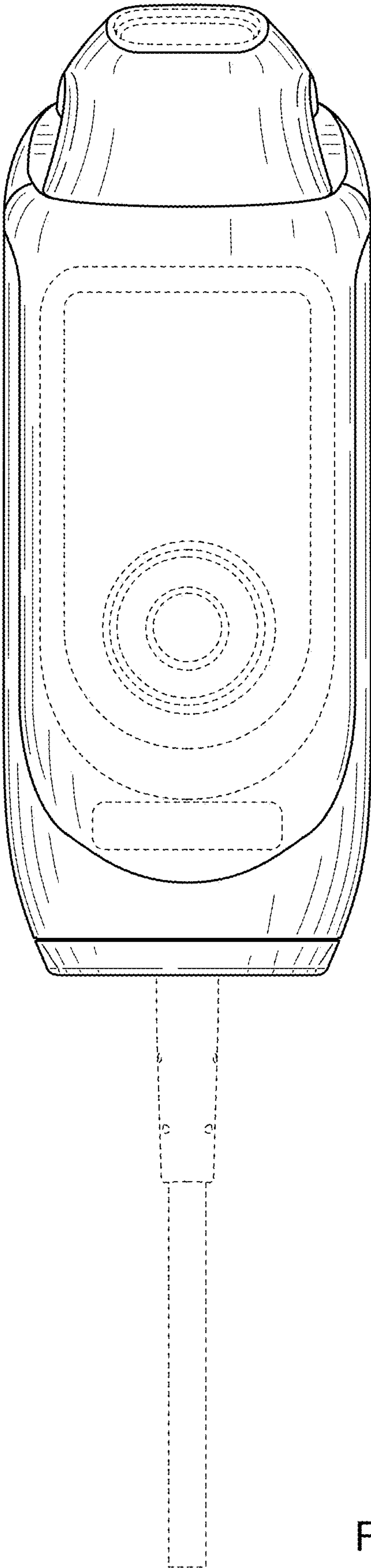


FIG. 2

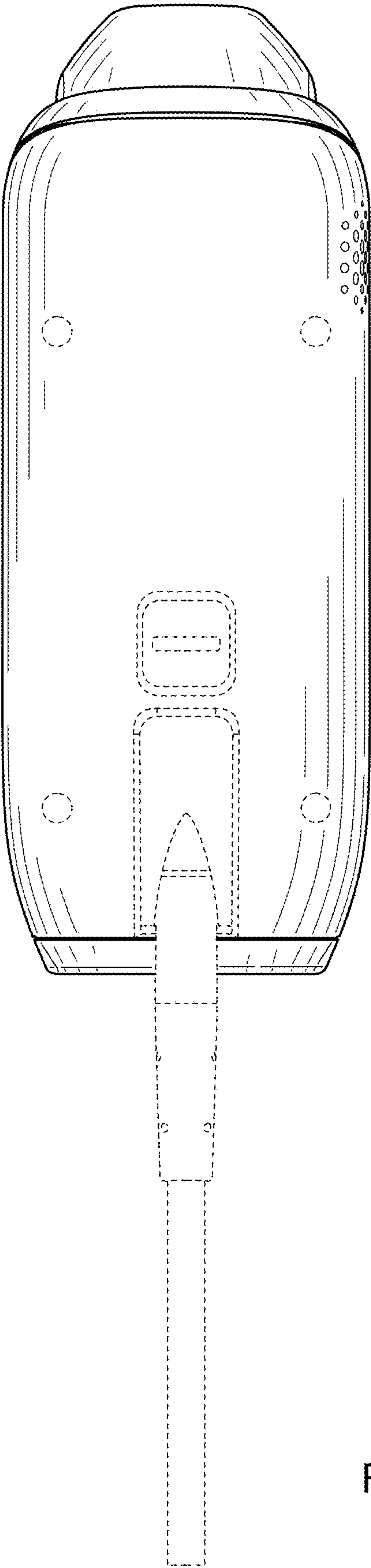


FIG. 3

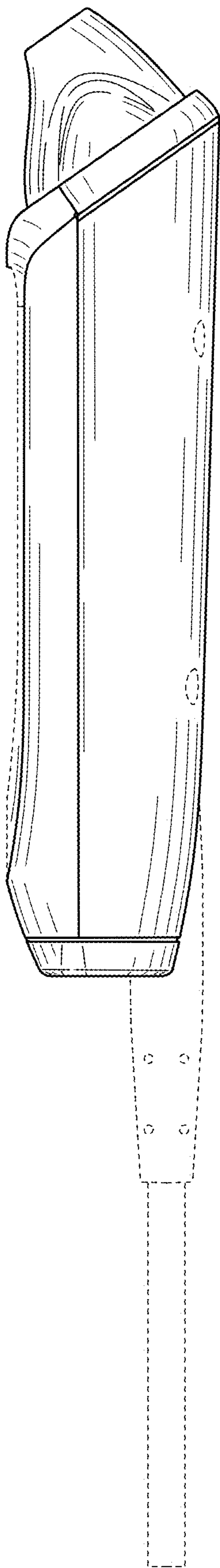


FIG. 4

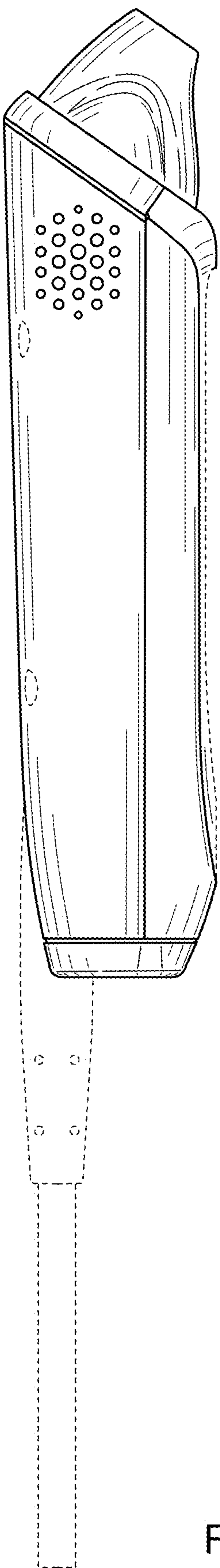


FIG. 5

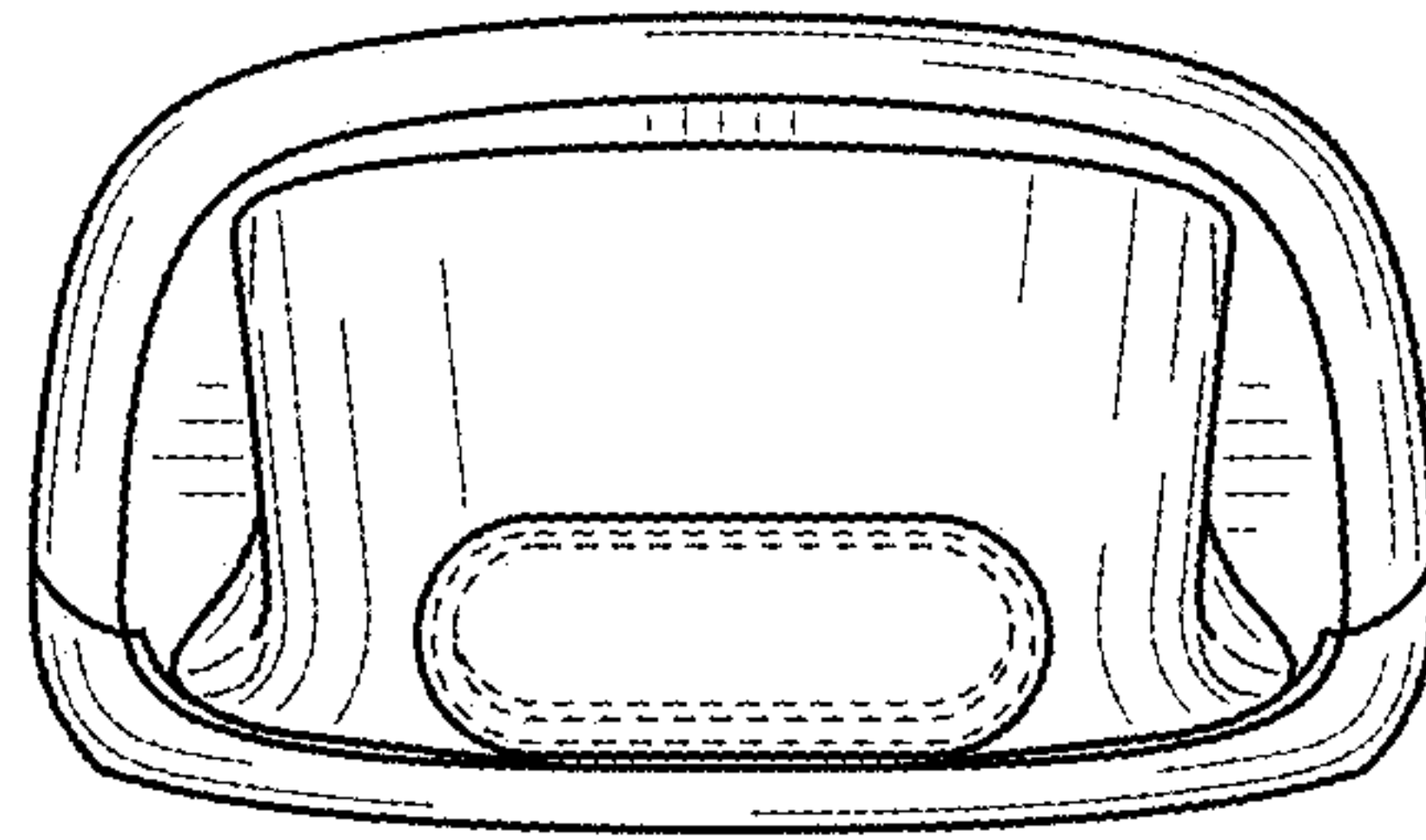


FIG. 6

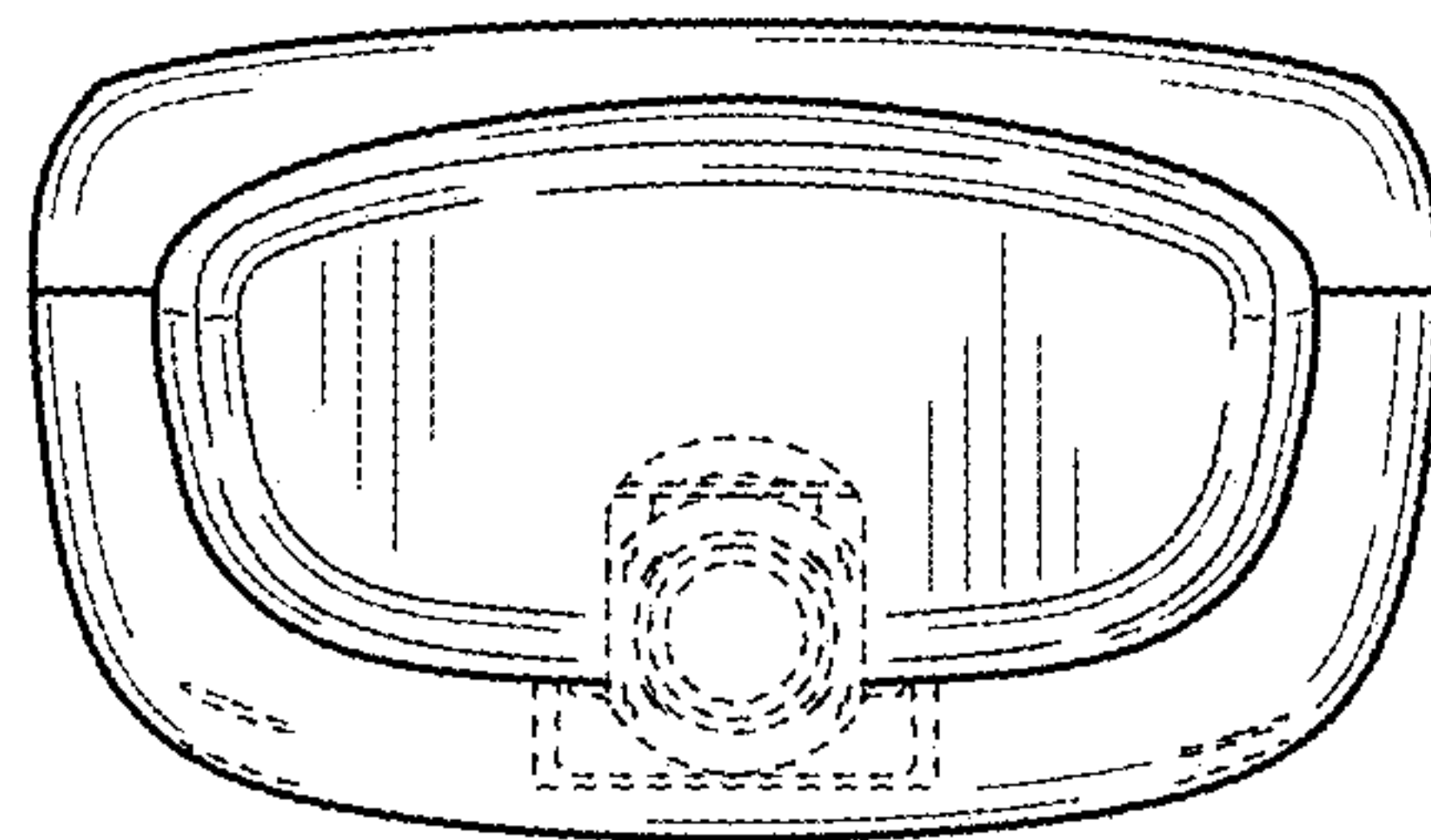


FIG. 7