



US0D1077199S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,077,199 S**
Bradish, III et al. (45) **Date of Patent:** **** May 27, 2025**

(54) **MOUTHPIECE FOR A HANDHELD BREATH DETECTOR**

FOREIGN PATENT DOCUMENTS

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

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OTHER PUBLICATIONS

"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).

(Continued)

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

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(21) Appl. No.: **29/945,075**

(57)

CLAIM

(22) Filed: **May 31, 2024**

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

Related U.S. Application Data

(63) Continuation of application No. 29/801,377, filed on Jul. 28, 2021, now Pat. No. Des. 1,032,828.

(51) **LOC (15) 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
(Continued)

DESCRIPTION

FIG. 1 is a top front right side perspective view of a mouthpiece for a handheld breath detector.

FIG. 2 is a front view of the mouthpiece of FIG. 1.

FIG. 3 is a rear view of the mouthpiece of FIG. 1.

FIG. 4 is a right side view of the mouthpiece of FIG. 1.

FIG. 5 is a left side view of the mouthpiece of FIG. 1; and,

FIG. 6 is a top view of the mouthpiece of FIG. 1.

The broken lines in the mouthpiece illustrate portions of the mouthpiece for a handheld breath detector that form no part of the claimed design. The broken lines illustrating a handheld breath detector depict environment and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,004,277 A * 12/1999 Maharaj A61B 5/0871
600/538

6,450,969 B1 9/2002 Farr et al.

(Continued)

1 Claim, 5 Drawing Sheets



(58) **Field of Classification Search**

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
 5/08; G10L 17/00; Y10S 436/90

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D661,999	S	6/2012	Pulford	
D710,223	S	8/2014	Nothacker et al.	
D749,441	S	2/2016	Rekow	
D775,350	S	12/2016	Buess	
D822,515	S	7/2018	Fornoff et al.	
D827,467	S	9/2018	Fornoff et al.	
D828,192	S	9/2018	Fornoff et al.	
D828,193	S *	9/2018	Fornoff	D10/81
D834,974	S	12/2018	Nothacker et al.	
D864,775	S	10/2019	Nothacker et al.	
D887,544	S *	6/2020	Inoue	D24/107
D902,381	S	11/2020	Inoue et al.	
D903,852	S	12/2020	Inoue et al.	
D933,812	S	10/2021	Lary et al.	
D965,788	S	10/2022	Buess	
D1,032,828	S	6/2024	Bradish et al.	
D1,033,624	S	7/2024	Bradish et al.	
2010/0063408	A1	3/2010	Nothacker et al.	
2014/0155777	A1	6/2014	Kong	
2020/0253487	A1 *	8/2020	Fridman	G16H 10/40

FOREIGN PATENT DOCUMENTS

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

OTHER PUBLICATIONS

“BACtrack Mobile Smartphone Breathalyzer,” Mar. 28, 2018, <https://www.amazon.com/dp/B07BWL2DKH/>, visited Sep. 13, 2023 (6 pages).

“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).

“Examination Report,” for Canadian Design Application No. 209968 mailed Aug. 7, 2023 (2 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).

“Mini Home Breathalyzer,” Apr. 1, 2021, <https://www.amazon.com/dp/B091J1DQHL>, visited Sep. 16, 2023 (8 pages).

“Non-Final Office Action,” for U.S. Appl. No. 29/801,370 mailed Oct. 2, 2023 (28 pages).

“Non-Final Office Action,” for U.S. Appl. No. 29/801,377 mailed Oct. 3, 2023 (13 pages).

“Notice of Allowance,” for U.S. Appl. No. 29/801,370 mailed Jan. 8, 2024 (9 pages).

“Notice of Allowance,” for U.S. Appl. No. 29/801,377 mailed Jan. 23, 2024 (11 pages).

“Response to Examination Report,” for Canadian Patent Application No. 209968 filed Sep. 22, 2023 (10 pages).

“Response to Non Final Office Action,” for U.S. Appl. No. 29/801,370, filed on Nov. 30, 2023 (7 pages).

“Response to Non Final Office Action,” for U.S. Appl. No. 29/801,377, filed on Nov. 30, 2023 (6 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).

Ogle, Robert “Smart Start Introduces Revolutionary Flex as its Latest Ignition Interlock Device,” Smart Start Press Release Apr. 15, 2021 (2 pages).

“Ex Parte Quayle,” for U.S. Appl. No. 29/937,213 mailed Sep. 25, 2024 (13 pages).

“Ex Parte Quayle,” for U.S. Appl. No. 29/937,221 mailed Sep. 24, 2024 (12 pages).

“The next-level breathalyzer: Drager Alcotest 7000,” Jun. 26, 2024. Site visited Aug. 2, 2024. [<https://www.youtube.com/watch?v=XUNs4z85png>] (Year: 2024).

* cited by examiner

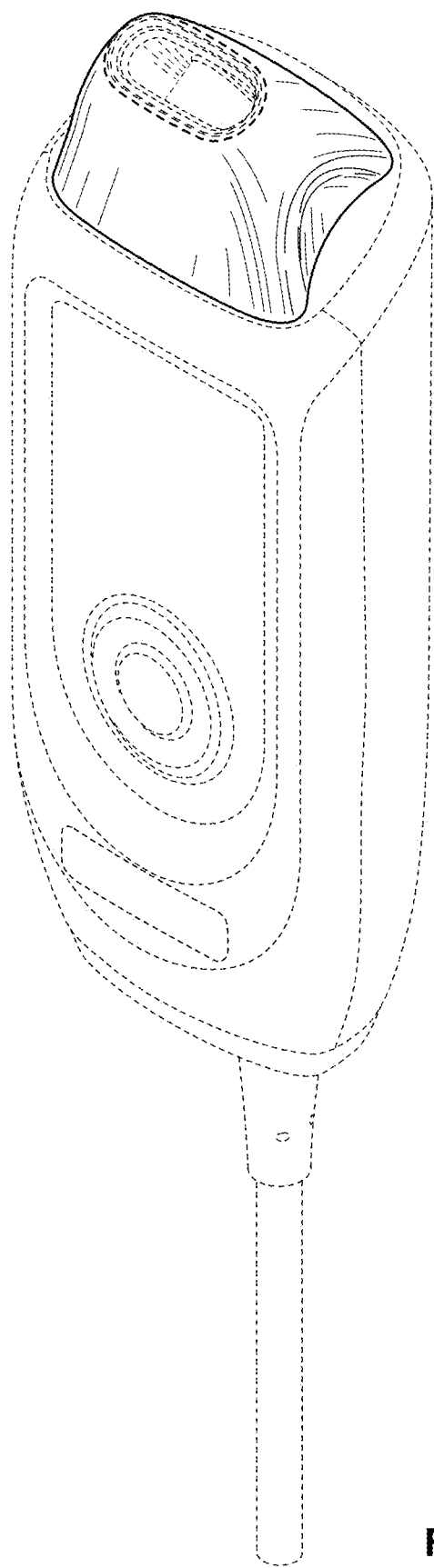


FIG. 1

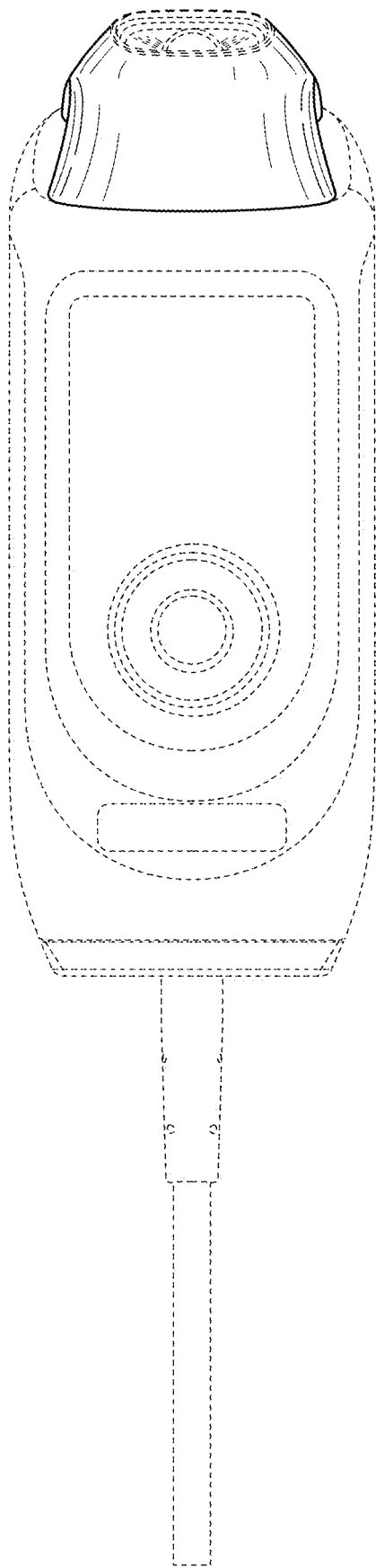


FIG. 2

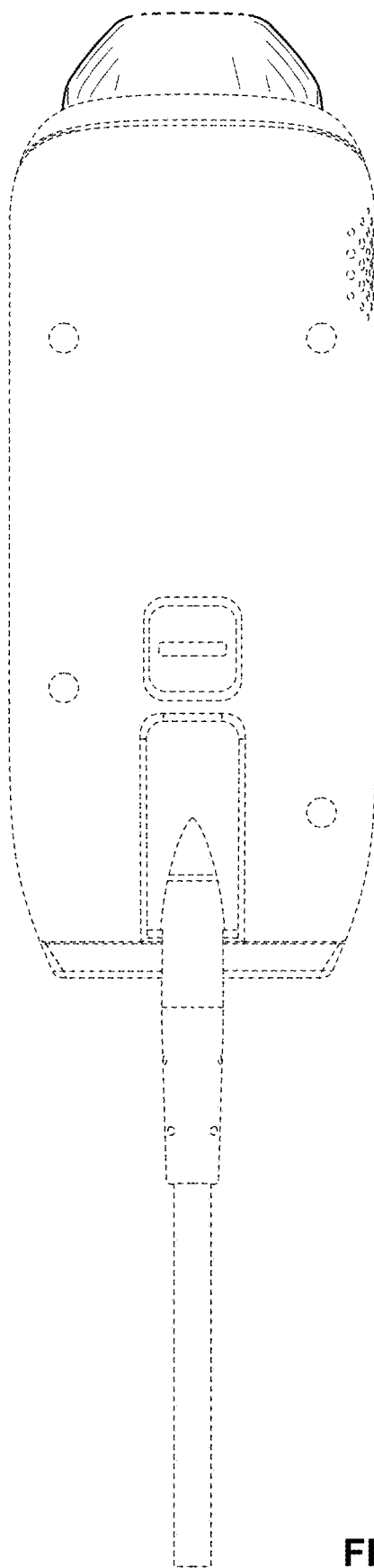


FIG. 3

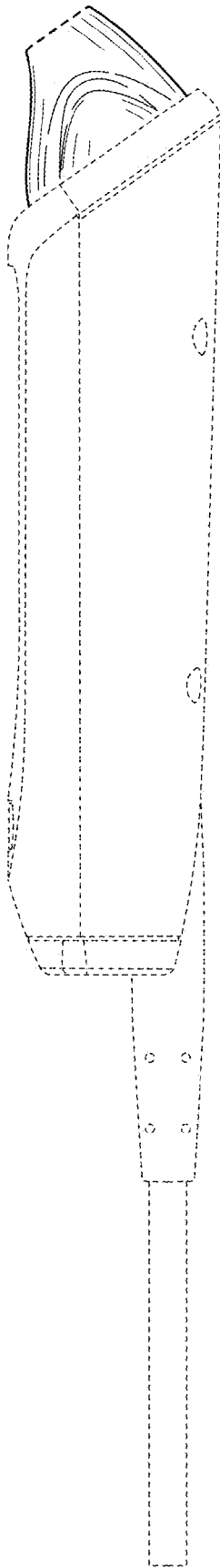


FIG. 4

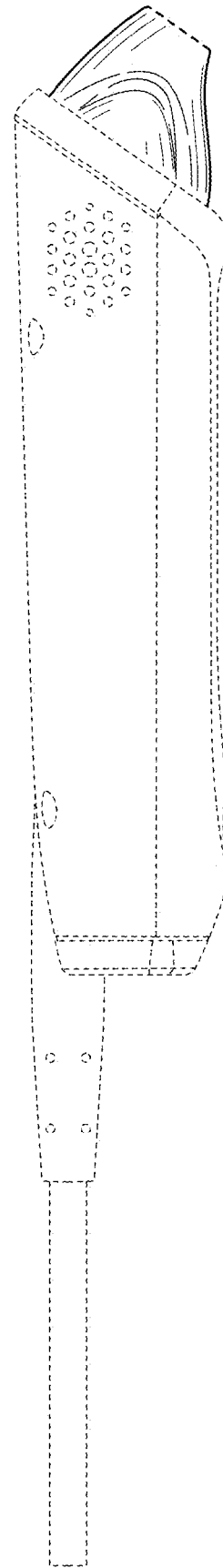


FIG. 5

FIG. 6

