



US0D1034968S

(12) **United States Design Patent**
Duval

(10) **Patent No.:** **US D1,034,968 S**

(45) **Date of Patent:** **** Jul. 9, 2024**

(54) **FLUID COLLECTION APPARATUS**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **UR24TECHNOLOGY, INC.**, Corona
Del Mar, CA (US)

CN 105287084 2/2016
CN 205234739 5/2016

(Continued)

(72) Inventor: **Landon Duval**, Corona Del Mar, CA
(US)

OTHER PUBLICATIONS

(73) Assignee: **UR24TECHNOLOGY, INC.**, Corona
Del Mar, CA (US)

Male External Catheters Penile Sheath, GPC medical, [Post date unknown], [Site seen: Mar. 13, 2024], Seen at URL: <https://www.gpcmedical.com/338/DIS224/male-external-catheters-penile-sheath.html> (Year: 2024).*

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

(Continued)

(21) Appl. No.: **29/867,617**

Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford

(22) Filed: **Oct. 31, 2022**

(74) *Attorney, Agent, or Firm* — KNOBBE, MARTENS,
OLSON & BEAR LLP

(51) **LOC (14) Cl.** **24-04**

(52) **U.S. Cl.**
USPC **D24/122; D24/111**

(58) **Field of Classification Search**
USPC D24/127–129, 108, 111, 121–125, 224
CPC A61F 5/441; A61F 5/4405; A61F 5/453;
A61F 5/455
See application file for complete search history.

(57) **CLAIM**

The ornamental design of a fluid collection apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a fluid collection apparatus configured in accordance with the present invention; FIG. 2 is a left side view of the fluid collection apparatus illustrated in FIG. 1; FIG. 3 is a right side view of the fluid collection apparatus illustrated in FIG. 1; FIG. 4 is a back view of the fluid collection apparatus illustrated in FIG. 1; FIG. 5 is a front view of the fluid collection apparatus illustrated in FIG. 1; FIG. 6 is a top view of the fluid collection apparatus illustrated in FIG. 1; and, FIG. 7 is a bottom view of the fluid collection apparatus illustrated in FIG. 1.

The broken lines in the drawing are included for the purpose of illustration and form no part of the claimed design.

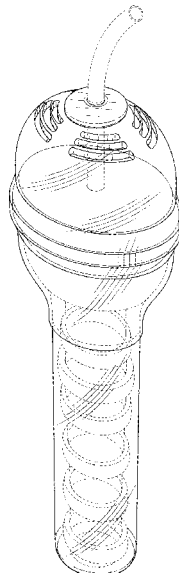
(56) **References Cited**

U.S. PATENT DOCUMENTS

660,388	A	10/1900	Moberg et al.
1,742,080	A	12/1929	Jones
2,483,079	A	9/1949	Williams
2,571,357	A	10/1951	Charles
2,698,016	A	12/1954	Andrade et al.
2,739,595	A	3/1956	Coles
2,763,266	A	9/1956	Evans
2,842,129	A	7/1958	Ernstorf
2,867,215	A	1/1959	Horton et al.
2,873,740	A	2/1959	Wainwright
3,116,734	A	1/1964	Terman

(Continued)

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,194,238	A	7/1965	Breece, Jr.	7,766,887	B2	8/2010	Burns	
3,349,768	A	10/1967	Xavier	7,833,169	B2	11/2010	Hannon	
3,421,507	A	1/1969	Gresham	7,875,010	B2	1/2011	Frazier et al.	
3,424,163	A	1/1969	Gravdahl	7,931,634	B2	4/2011	Swiecicki et al.	
D215,716	S	10/1969	Miller	7,993,311	B2	8/2011	Finger et al.	
3,518,164	A	6/1970	Andelin et al.	8,177,760	B2	5/2012	Rome et al.	
3,528,423	A	9/1970	Lee	8,187,238	B1	5/2012	Dupree	
3,601,125	A	8/1971	Moss	8,287,508	B1	10/2012	Sanchez	
3,608,552	A	9/1971	Broerman	8,328,792	B2	12/2012	Nishtala et al.	
3,683,914	A	8/1972	Crowley	D674,895	S	1/2013	Rubin	
3,742,953	A	7/1973	Lee	8,394,074	B2	3/2013	Piette et al.	
3,906,952	A	9/1975	Zamist	8,403,901	B2	3/2013	Dunlop	
3,918,433	A	11/1975	Fuisz	8,454,568	B2	6/2013	Bourke	
4,023,571	A	5/1977	Comerford et al.	8,475,422	B2	7/2013	Wu	
4,194,508	A	3/1980	Anderson	8,491,552	B2	7/2013	House	
4,198,979	A	4/1980	Cooney et al.	8,603,056	B1	12/2013	Fallis	
4,200,102	A	4/1980	Duhamel et al.	D704,330	S	5/2014	Cicatelli	
4,239,044	A	12/1980	Pavlinch	8,998,882	B2	4/2015	Knapp et al.	
4,246,901	A	1/1981	Frosch et al.	9,028,460	B2	5/2015	Medeiros	
4,270,539	A	6/1981	Frosch et al.	9,033,149	B2	5/2015	Terry	
4,425,130	A	1/1984	DesMarais	D739,006	S	9/2015	Tominaga et al.	
4,610,675	A	9/1986	Truinfof	D760,893	S	7/2016	Honda et al.	
4,631,061	A	12/1986	Martin	D784,528	S	4/2017	Burgess et al.	
4,664,663	A	5/1987	Brier	D800,334	S	10/2017	Kasuto et al.	
4,747,166	A	5/1988	Kuntz	D802,102	S	11/2017	Mursu et al.	
4,769,099	A	9/1988	Therriault et al.	D818,116	S	5/2018	Teufel	
4,795,449	A	1/1989	Schneider et al.	9,987,480	B2	6/2018	McDaniel	
D299,865	S	2/1989	Kamstrup-Larsen et al.	10,226,376	B2	3/2019	Sanchez et al.	
4,882,794	A	11/1989	Stewart	D851,238	S	6/2019	Ratner et al.	
4,994,051	A	2/1991	Walsh	D851,747	S	6/2019	Hu	
5,002,541	A	3/1991	Conkling et al.	10,376,406	B2	8/2019	Newton	
5,049,144	A	9/1991	Payton	10,376,407	B2	8/2019	Newton	
5,078,707	A	1/1992	Klug	10,390,989	B2	8/2019	Sanchez et al.	
5,084,037	A	1/1992	Barnett	D864,774	S	10/2019	Lei et al.	
5,195,997	A	3/1993	Carns	D872,852	S *	1/2020	Mechor	D24/108
5,267,969	A	12/1993	Hirsch et al.	D873,996	S	1/2020	Sanders et al.	
5,312,379	A	5/1994	Rahe	10,675,175	B2	6/2020	Holt	
5,312,383	A	5/1994	Kubalak	10,682,124	B2	6/2020	Duval	
5,346,483	A	9/1994	Thaxton, Sr.	10,690,655	B2	6/2020	Duval	
5,366,449	A	11/1994	Gilberg	D895,107	S *	9/2020	Zhang	D24/121
5,413,117	A	5/1995	Wills	D896,368	S *	9/2020	Zhang	D24/121
5,424,265	A	6/1995	Weinstein	D896,930	S	9/2020	Vranish	
D361,823	S	8/1995	Layton et al.	D901,036	S	11/2020	Wahba et al.	
5,514,091	A	5/1996	Yoon	D910,200	S	2/2021	Reber et al.	
5,618,277	A	4/1997	Goulter	D920,535	S	5/2021	Crabtree et al.	
5,669,893	A	9/1997	Tanghoj	D923,195	S	6/2021	Harding et al.	
5,674,212	A	10/1997	Osborn et al.	D928,946	S	8/2021	Sanchez et al.	
5,685,870	A	11/1997	Tanghoj	D929,576	S	8/2021	Motomura et al.	
5,693,001	A	12/1997	Salama	D929,578	S	8/2021	Johannes et al.	
5,797,890	A	8/1998	Goulter et al.	D930,184	S	9/2021	Johnson	
D409,303	S	5/1999	Oepping	D932,005	S *	9/2021	Li	D24/111
5,957,904	A	9/1999	Holland	11,141,307	B2	10/2021	Doreswamy	
6,120,485	A	9/2000	Gustafsson et al.	D938,062	S	12/2021	Werth et al.	
6,151,721	A	11/2000	Whitfield	11,246,573	B2 *	2/2022	Duval	A61B 5/208
6,183,454	B1	2/2001	Levine et al.	D947,368	S *	3/2022	Yuan	D24/111
6,302,303	B1	10/2001	Reynolds	D948,709	S *	4/2022	Zhang	D24/121
6,394,988	B1	5/2002	Hashimoto	11,311,405	B2 *	4/2022	Duval	A61F 5/4405
D467,338	S	12/2002	Rehrig	D954,939	S *	6/2022	Liang	D24/111
6,544,242	B1	4/2003	Kido et al.	D969,308	S *	11/2022	Duval	D24/122
6,641,567	B1	11/2003	Williams	D976,437	S *	1/2023	Harding	D24/224
6,684,414	B1	2/2004	Rehrig	D992,108	S *	7/2023	Yang	D24/111
6,699,174	B1	3/2004	Bennett	D1,006,985	S *	12/2023	Zeka	D9/525
6,702,793	B1	3/2004	Sweetser	D1,009,254	S *	12/2023	Yang	D24/111
6,740,066	B2	5/2004	Wolff et al.	2002/0138058	A1	9/2002	Mishima et al.	
6,761,710	B2	7/2004	D'acchioli et al.	2003/0004436	A1	1/2003	Schmidt et al.	
6,840,925	B2	1/2005	Mishima et al.	2003/0010700	A1	1/2003	Schmidt et al.	
6,849,065	B2	2/2005	Schmidt et al.	2003/0185330	A1	10/2003	Hessel et al.	
6,854,427	B2	2/2005	Frink	2003/0208112	A1	11/2003	Schmidt et al.	
6,932,797	B2	8/2005	Schmidt et al.	2004/0015141	A1	1/2004	Cheng et al.	
7,018,366	B2	3/2006	Easter	2004/0035372	A1	2/2004	Frink	
7,358,282	B2	4/2008	Krueger et al.	2004/0068780	A1	4/2004	Scott	
7,465,683	B2	12/2008	McMurray	2004/0079687	A1	4/2004	Muller et al.	
7,503,911	B2	3/2009	Mishima et al.	2004/0138638	A1	7/2004	Mishima et al.	
7,588,560	B1	9/2009	Dunlop	2004/0143229	A1	7/2004	Easter	
7,749,205	B2	7/2010	Tazoe et al.	2004/0236292	A1	11/2004	Tazoe et al.	
				2005/0075615	A1	4/2005	Bonham	
				2005/0101939	A1	5/2005	Mitchell	
				2005/0112975	A1	5/2005	McMurray	
				2005/0112976	A1	5/2005	McMurray et al.	

(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0137557 A1 6/2005 Swiecicki et al.
 2006/0015080 A1 1/2006 Mahnensmith
 2006/0069359 A1 3/2006 Dipalma et al.
 2006/0155214 A1 7/2006 Wightman
 2007/0035405 A1 2/2007 Wada et al.
 2007/0088327 A1 4/2007 Guala
 2007/0265589 A1 11/2007 Kitamura
 2008/0183157 A1 7/2008 Walters
 2008/0281282 A1 11/2008 Finger et al.
 2008/0287894 A1 11/2008 Van Den et al.
 2008/0300448 A1 12/2008 Frazier et al.
 2009/0048569 A1 2/2009 Salehi
 2009/0078023 A1 3/2009 Mutharasan et al.
 2009/0131916 A1 5/2009 Chiu et al.
 2009/0270822 A1 10/2009 Medeiros
 2009/0306610 A1 12/2009 Van Den et al.
 2010/0010459 A1 1/2010 Piette et al.
 2010/0234820 A1 9/2010 Tsai et al.
 2010/0274156 A1 10/2010 Gorres
 2010/0278518 A1 11/2010 Gordon
 2011/0028922 A1 2/2011 Kay et al.
 2011/0028944 A1 2/2011 Chiu et al.
 2011/0040271 A1 2/2011 Rogers
 2011/0046514 A1 2/2011 Greenwald et al.
 2011/0064586 A1 3/2011 Matsumiya
 2011/0178425 A1 7/2011 Nishtala et al.
 2011/0251572 A1 10/2011 Nishtala et al.
 2011/0265889 A1 11/2011 Tanaka et al.
 2013/0053804 A1 2/2013 Sorensen et al.
 2015/0112228 A1 4/2015 Ekema et al.
 2015/0320583 A1 11/2015 Harvie
 2016/0310711 A1 10/2016 Luxon et al.
 2017/0196726 A1 7/2017 SanAntonio
 2017/0280783 A1 10/2017 Nouh
 2017/0333244 A1 11/2017 Laniado
 2017/0363237 A1 12/2017 Pepe et al.
 2018/0031461 A1 2/2018 Steckmann et al.
 2018/0098877 A1 7/2018 Pierson
 2018/0188231 A1 7/2018 Barakat et al.
 2018/0228642 A1 8/2018 Davis
 2018/0256386 A1 9/2018 Pierson
 2019/0021899 A1 1/2019 Vlet
 2019/0038451 A1 2/2019 Harvie
 2019/0314189 A1 10/2019 Acosta
 2020/0229964 A1 7/2020 Staali et al.
 2020/0345332 A1* 11/2020 Duval A61B 5/6852
 2021/0000637 A1 1/2021 VanMiddendorp et al.
 2021/0023279 A1 1/2021 Radl et al.
 2021/0038423 A1 2/2021 Marvinac
 2021/0059853 A1 3/2021 Davis et al.
 2021/0113749 A1 4/2021 Radl et al.
 2021/0170079 A1 6/2021 Radl et al.
 2021/0177643 A1 6/2021 Challa et al.
 2021/0285584 A1 9/2021 Ravisankar et al.
 2021/0361463 A1 11/2021 Duval
 2021/0393433 A1 12/2021 Godinez
 2021/0401613 A1 12/2021 Chiang
 2023/0404549 A1* 12/2023 Duval A61B 5/6852

FOREIGN PATENT DOCUMENTS

CN 205683177 11/2016
 CN 206372178 8/2017
 CN 207306773 5/2018
 CN 208525189 2/2019
 CN 209899730 1/2020
 CN 210250222 4/2020
 CN 210962545 7/2020
 CN 212186998 12/2020
 CN 212214090 12/2020
 CN 213346264 6/2021
 CN 213430912 6/2021
 CN 214858088 11/2021
 CN 113730081 12/2021
 DE 19602299 7/1997

DE 102007020517 7/2008
 DE 102013011493 2/2014
 EM 6259463 * 2/2023
 EM 015019688-0001 * 5/2023
 EP 0613355 1/1997
 EP 0 951 881 6/2000
 FR 2690842 11/1993
 GB 8814874 1/1989
 JP H 11502736 3/1999
 JP 2001-087298 4/2001
 JP 2008511360 4/2008
 JP 2012-509489 11/2008
 JP 2010-166954 8/2010
 JP 2015-147040 8/2015
 JP 5911232 4/2016
 JP 2019-512672 5/2019
 KR 20160038625 4/2016
 NL 8601391 10/1987
 SE 467086 5/1992
 TW M564441 8/2018
 TW 202200092 1/2022
 WO 1996/011652 4/1996
 WO 1997/001316 1/1997
 WO WO 03022333 3/2003
 WO WO 2004/019836 3/2004
 WO WO 2005/051252 6/2005
 WO WO 2007/058461 5/2007
 WO WO 2008/102808 8/2008
 WO WO 2009/004291 1/2009
 WO WO 2017/142723 8/2017
 WO WO 2017/142724 8/2017
 WO WO 2021/007345 1/2021
 WO WO 2021/007349 1/2021
 WO WO 2021090621 5/2021

OTHER PUBLICATIONS

TrueClr M: Adult Male Single Unit, Ur24Technology, ur24technology.com/, [Post date: unknown], [Site seen: Mar. 13, 2024], Seen at URL: <https://www.ur24technology.com/our-product> (Year: 2024).
 Ur24T—TrueClr M Adult Male External Catheter, Ur24Technology, Earthturns.com, [Post date: Dec. 6, 2022], [Site seen: Mar. 13, 2024], Seen at URL: <https://www.earthturns.com/ur24t-m-adult-male-external-catheter> (Year: 2022).
 International Preliminary Report on Patentability issued in PCT Application No. PCT/US2017/016624, dated Aug. 21, 2018, in 9 pages.
 International Preliminary Report on Patentability issued in PCT Application No. PCT/US2017/016626, dated Aug. 21, 2018, in 6 pages.
 International Search Report & Written Opinion issued in application No. PCT/US2021/020930, dated Sep. 1, 2021.
 International Search Report and Written Opinion issued in PCT Application No. PCT/US2017/016624, dated Apr. 28, 2017, in 11 pages.
 International Search Report and Written Opinion issued in PCT Application No. PCT/US2017/016626, dated Apr. 21, 2017, in 7 pages.
 Newman, D., Excerpts from The Urinary Incontinence Sourcebook, Lowell House, 1997, in 23 pages.
 Notice of Allowance issued in JP application No. 2018-543605, dated Jan. 5, 2021.
 UR24 Technology, Inc [Ur24T]. “See how our external catheter systems stack up to competitors in design, efficacy, comfort, and ease of use. <https://ur24technology.com/our-product>.” Twitter.com, Published: [Jun. 16, 2021], Site Visited: [Jan. 7, 2022], URL: <<https://mobile.twitter.com/Ur24T/status/1405210639954497536>>. (Year: 2021).
 Office Action issued in Australian design application No. 202310100, dated Apr. 24, 2023.
 [C1]—vimeo screenshot 4.png’ which was published on Jan. 5, 2022.
 [C2]—UR24 Technology Inc. Ur24T Twitter’ which was published on the website <https://twitter.com/Ur24T/status/1585684073535504384/photo/1> on Oct. 28, 2022.

(56)

References Cited

OTHER PUBLICATIONS

[C3]—UR24 Technology Inc. Ur24T Twitter' which was published on the website <https://twitter.com/Ur24T/status/1583238113408651264/photo/1> on Oct. 21, 2022.

[C4]—UR24 Technology Inc. Ur24T Twitter' which was published on the website <https://twitter.com/Ur24T/status/1438159684591046659/photo/1> on Sep. 16, 2021.

[C5]—WIPOGlobal Design Database' which was published on the website <https://www3.wipo.int/designdb/en/#> on Nov. 18, 2020.

[C6]—WIPOGlobal Design Database' which was published on the website <https://www3.wipo.int/designdb/en/#> on Nov. 27, 2020.

[C7]—Facebook' which was published on the website <https://www.facebook.com/photo/?fbid=163363789638226&set=a3158593916781880> on Oct. 22, 2022.

[C8]—UR24Technology Inc. Newport Beach CA Facebook' which was published on the website <https://www.facebook.com/profile.php?id=100078938165562> on Oct. 14, 2022.

[C9]—Facebook' which was published on the website <https://www.facebook.com/106797511937471/photos/a.106804925270063/159980953285793/> on Aug. 24, 2022.

[C10]—Facebook' which was published on the website <https://www.facebook.com/106797511937471/photos/a.106804925270063/154463910504164/> on Jul. 28, 2022.

[C11]—Facebook' which was published on the website <https://www.facebook.com/106797511937474/photos/a.106804925270063/128195509797671/> on Apr. 15, 2022.

[C12]—Facebook' which was published on the website <https://www.facebook.com/106797511937471/photos/a.106804925270063/125972536686635/> on Apr. 7, 2022.

[C13]—Facebook' which was published on the website <https://www.facebook.com/photo/?fbid=106804718603417&set=pcb.106804931936729> on Feb. 18, 2022.

[C14]—Facebook' which was published on the website <https://www.facebook.com/106797511937471/photos/a.106797548604134/106797948604094/> on Feb. 18, 2022.

[C15]—Product Demonstration for Ur24T External Catheters YouTube' which was published on the website <https://www.youtube.com/watch?v=j0noKKGwLPE> on Oct. 20, 2022.

[C16]—UR24 Technology Inc. Ur24T Twitter' which was published on the website <https://twitter.com/Ur24T/status/1405210639954497536/photo/1> on Jun. 17, 2021.

* cited by examiner

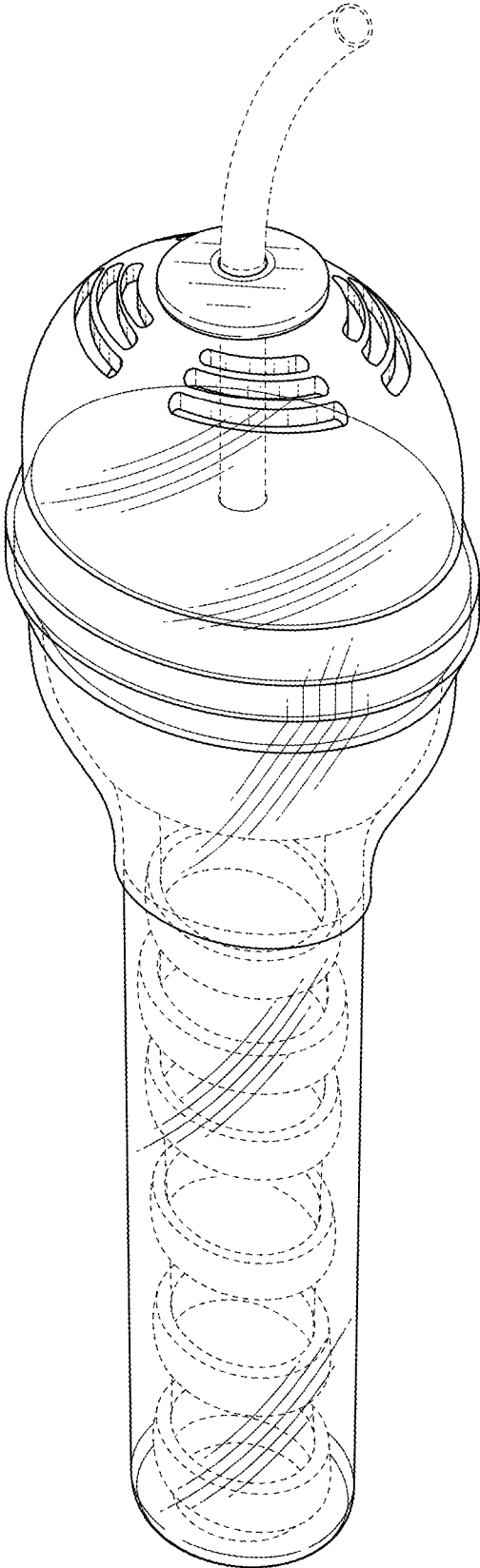


FIG. 1

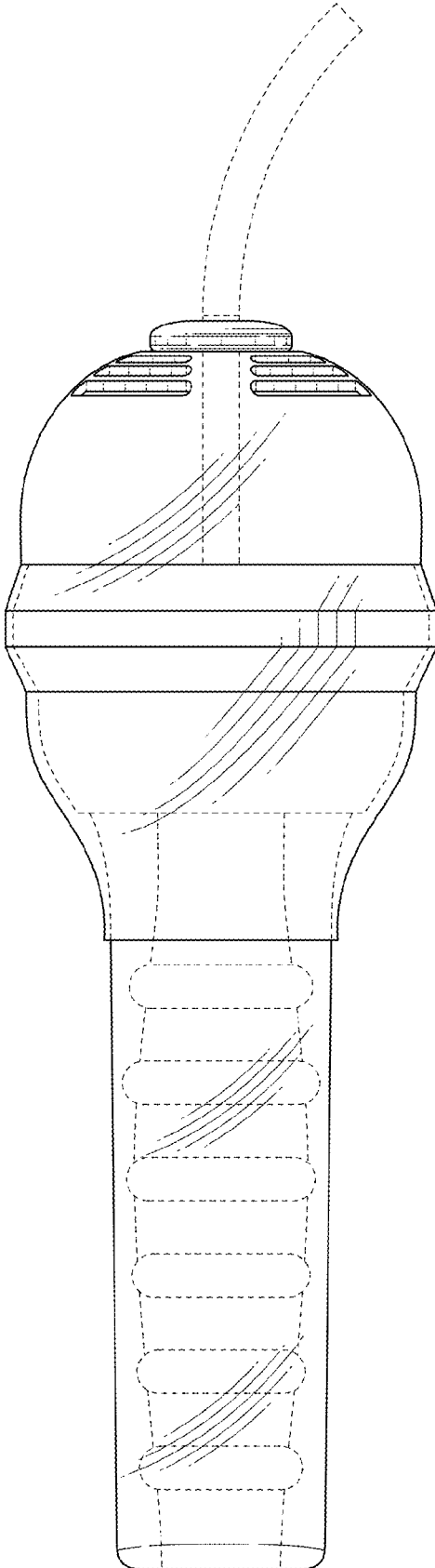


FIG. 2

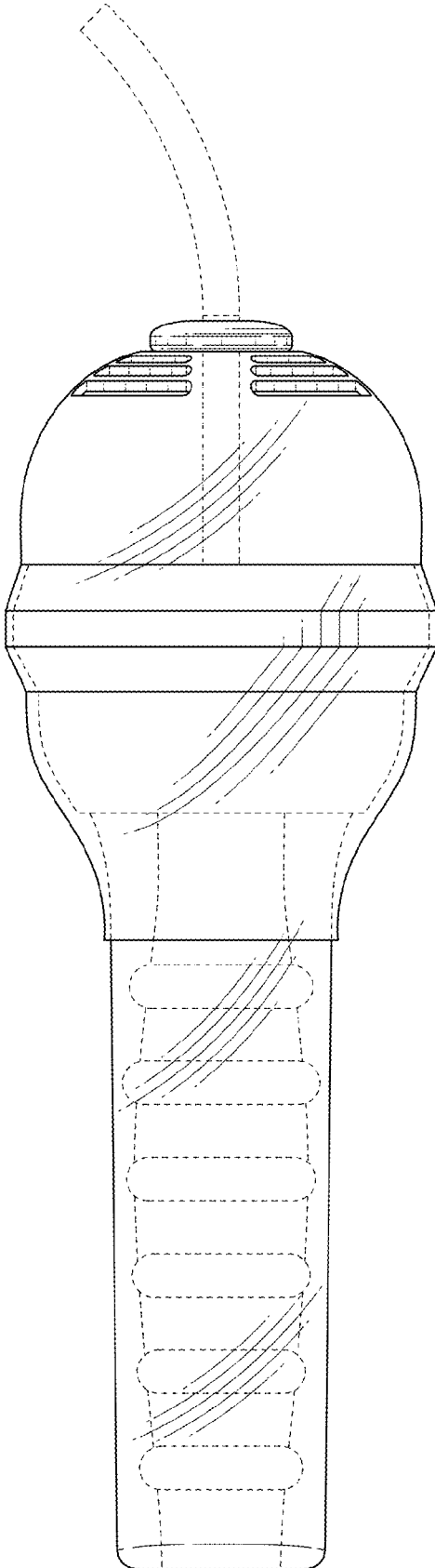


FIG. 3

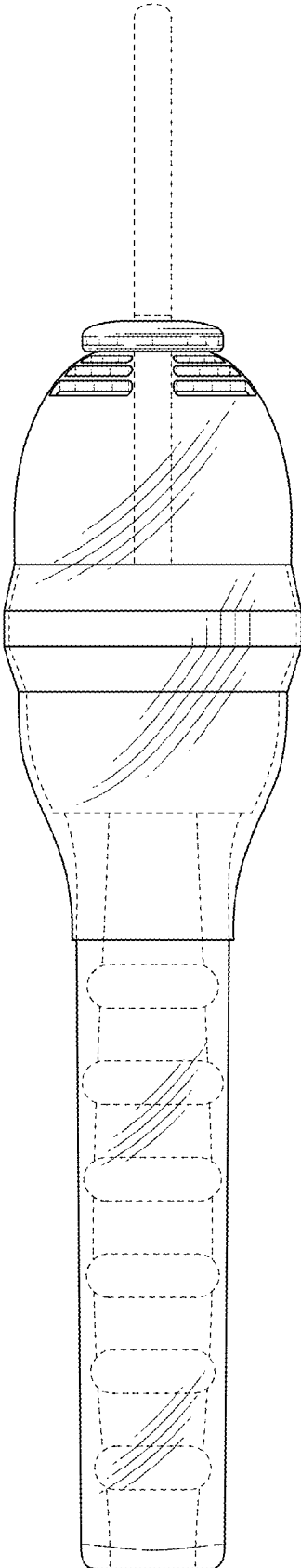


FIG. 4

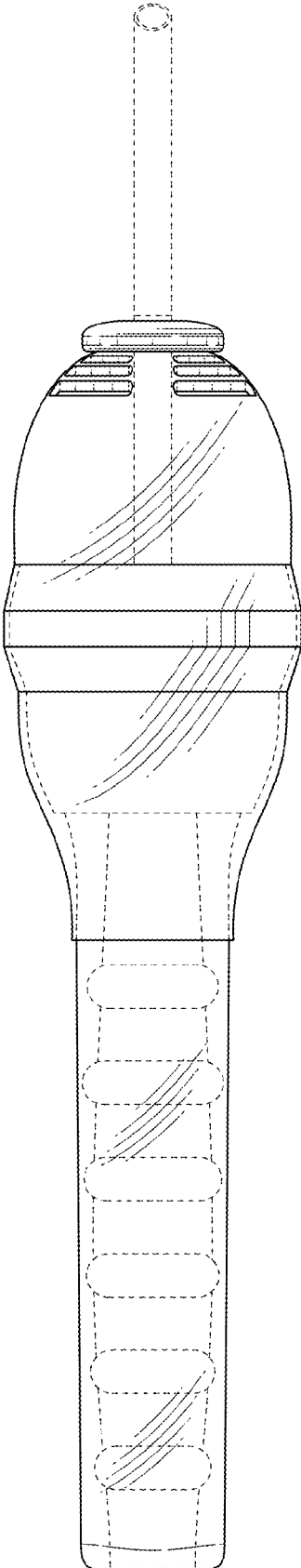


FIG. 5

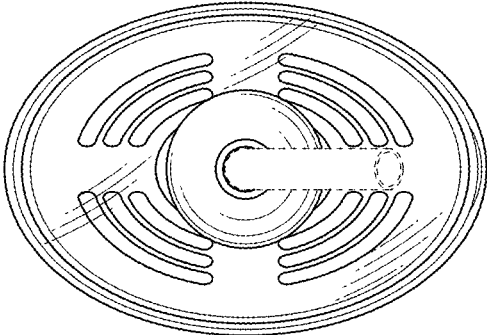


FIG. 6

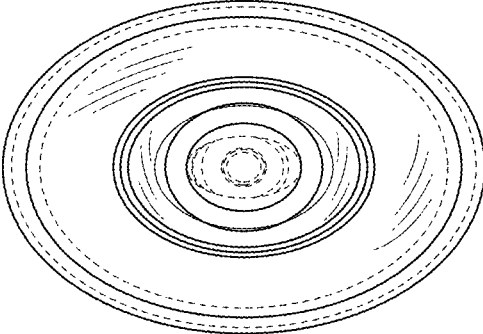


FIG. 7