US0D1026221S

(12) United States Design Patent

Mosen et al.

(10) Patent No.: US D1,026,221 S
(45) Date of Patent: ** May 7, 2024

(54) **CONNECTOR FOR A RESPIRATORY SYSTEM CONDUIT**

(71) Applicant: **Fisher & Paykel Healthcare Limited**, Auckland (NZ)

(72) Inventors: **Rachel Nicole Mosen**, Auckland (NZ); **Andrew James Webb**, Auckland (NZ); **Hugo Max Treherne James**, Auckland (NZ); **Bruce Gordon Holyoake**, Auckland (NZ); **Andrew William White**, Auckland (NZ); **Clodagh Mary Moran**, Auckland (NZ); **Graeme Matthew Smith**, Auckland (NZ); **Craig Karl White**, Auckland (NZ); **Jojo Santos Badenas**, Auckland (NZ)

(73) Assignee: **Fisher & Paykel Healthcare Limited**, Auckland (NZ)

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

(21) Appl. No.: **29/820,533**

(22) Filed: **Dec. 22, 2021**

Related U.S. Application Data

(62) Division of application No. 29/726,457, filed on Mar. 3, 2020, now Pat. No. Des. 940,861.

(51) **LOC (14) Cl.** **24-02**

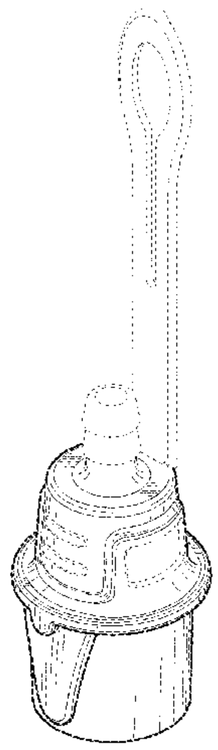
(52) **U.S. Cl.**
USPC **D24/129**; D24/110

(58) **Field of Classification Search**
USPC D24/127–131, 133, 186, 110, D24/110.1–110.6, 113, 108
CPC A61M 16/0816; A61M 16/0875; A61M 39/105; A61M 2016/003; A61M 2039/1088
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

132,604 A 10/1872 Smith et al.
327,877 A 10/1885 Hodges
643,358 A 2/1900 Konold
778,936 A 1/1905 Witmond
1,080,674 A 12/1913 Berg
1,130,726 A 3/1915 Greve
1,194,793 A 8/1916 Styers
1,673,338 A 6/1928 Mitchell
1,880,098 A 9/1932 Mair
1,916,449 A 7/1933 Tompkins
2,124,474 A 7/1938 Scholtes
2,479,580 A 8/1949 Marco
2,727,759 A 12/1955 Elliott
2,910,308 A 10/1959 Carr
3,287,031 A 11/1966 Simmons et al.
3,323,774 A 6/1967 Wilson
3,513,844 A 5/1970 Smith
3,601,361 A 8/1971 Hundhausen et al.
3,813,115 A 5/1974 French
3,815,754 A 6/1974 Rosenberg
4,036,616 A 7/1977 Byrns
4,111,514 A 9/1978 Brishka et al.
4,128,407 A 12/1978 Chapel
4,161,949 A 7/1979 Thanawalla
4,211,439 A 7/1980 Moldestad
D267,199 S 12/1982 Koenig
4,443,028 A 4/1984 Hayes
4,446,869 A 5/1984 Knodle
4,584,997 A 4/1986 Delong
4,589,684 A 5/1986 Nowacki et al.
4,601,495 A 7/1986 Webb
4,661,110 A 4/1987 Fortier et al.
4,676,241 A 6/1987 Webb et al.
4,758,023 A 7/1988 Vermillion
4,773,448 A 9/1988 Francis
D300,271 S 3/1989 Rudolph et al.
D300,272 S 3/1989 Rudolph et al.
D302,040 S 7/1989 Lambert et al.
4,936,841 A 6/1990 Aoki et al.
5,005,571 A 4/1991 Dietz
5,009,252 A 5/1991 Faughn
5,040,527 A 8/1991 Larson et al.
5,064,226 A 11/1991 Klas
D328,033 S 7/1992 DiGuiseppi
5,158,569 A 10/1992 Strickland et al.
5,169,180 A 12/1992 Villani et al.
5,281,206 A 1/1994 Lopez
5,335,656 A 8/1994 Bowe et al.
D362,718 S 9/1995 Deily et al.
D363,541 S 10/1995 Cottone, Sr. et al.
5,456,676 A 10/1995 Nelson et al.
5,529,284 A 6/1996 Berger et al.
5,584,997 A 12/1996 Yagihashi et al.
5,620,427 A 4/1997 Werschmidt et al.
5,718,143 A 2/1998 Clowes



5,725,258	A		3/1998	Kujawski
5,725,511	A		3/1998	Urrutia
5,735,271	A		4/1998	Lorenzen et al.
5,738,142	A		4/1998	Eike et al.
5,741,084	A		4/1998	Del Rio et al.
D395,502	S		6/1998	Deily et al.
5,901,705	A		5/1999	Leagre
D424,687	S		5/2000	Hoenig et al.
D427,308	S		6/2000	Zinger
6,099,519	A		8/2000	Olsen
D431,634	S		10/2000	Mantz
D439,326	S		3/2001	Hecker et al.
D443,863	S		6/2001	Maccarone
D449,107	S		10/2001	Madsen
6,402,207	B1		6/2002	Segal et al.
6,439,234	B1		8/2002	Curti et al.
6,484,724	B1		11/2002	Sloan
D466,607	S		12/2002	Cise
D468,015	S		12/2002	Horppu
D471,262	S	*	3/2003	Kozu D23/262
D472,316	S		3/2003	Douglas et al.
D472,630	S		4/2003	Douglas et al.
6,561,549	B1		5/2003	Moris et al.
D476,232	S		6/2003	Maus et al.
6,581,974	B1		6/2003	Ragner et al.
6,803,496	B2		10/2004	Elder et al.
6,893,055	B2		5/2005	Thomas et al.
6,915,705	B1		7/2005	Truitt
6,932,390	B1		8/2005	Gretz
6,953,354	B2		10/2005	Edirisuriya
7,007,694	B2		3/2006	Aylsworth et al.
D522,360	S		6/2006	Caserta
7,201,167	B2		4/2007	Fink et al.
D543,620	S		5/2007	Chu et al.
D547,657	S		7/2007	Tacchella
D551,340	S		9/2007	Wood et al.
7,263,994	B2		9/2007	Gradon et al.
7,267,121	B2		9/2007	Ivri
D553,005	S		10/2007	Py
7,290,541	B2		11/2007	Ivri et al.
D556,899	S		12/2007	Veliss et al.
D557,414	S	*	12/2007	Wentling D24/130
7,306,121	B2		12/2007	Ophardt
7,311,752	B2		12/2007	Tepper
D565,731	S	*	4/2008	Eisenkolb D24/129
D570,457	S		6/2008	Brown
7,406,966	B2		8/2008	Wondka
7,458,615	B2		12/2008	White et al.
D586,907	S		2/2009	Judson
D586,911	S		2/2009	McAuley et al.
7,484,769	B2		2/2009	Domash et al.
D600,343	S		9/2009	Degabriele et al.
D606,494	S		12/2009	Holliday
D609,091	S		2/2010	Dubach
D612,481	S		3/2010	Reid et al.
7,785,300	B2		8/2010	Ishii et al.
D627,059	S		11/2010	Wood et al.
D630,732	S		1/2011	Lev et al.
D631,542	S		1/2011	DeGross
7,874,596	B2		1/2011	Kertesz et al.
D637,713	S		5/2011	Nord et al.
7,946,291	B2		5/2011	Fink et al.
D645,547	S		9/2011	Lombardi et al.
8,020,551	B2		9/2011	Virr et al.
8,092,409	B2		1/2012	Mros et al.
D654,573	S		2/2012	Lombardi et al.
D656,231	S		3/2012	Henry et al.
8,186,352	B2		5/2012	Gunaratnam et al.
D661,785	S		6/2012	Johnson
8,256,459	B2		9/2012	Tesluk et al.
8,257,286	B2		9/2012	Meyer et al.
8,287,517	B2		10/2012	Hanlon et al.
8,317,203	B2		11/2012	Hermle et al.
D672,037	S		12/2012	Miller
8,376,412	B2		2/2013	Johnson
8,397,727	B2		3/2013	Ng et al.
D682,415	S		5/2013	Mogensen et al.
8,439,039	B2		5/2013	Gunaratnam et al.
D685,463	S		7/2013	Veliss et al.
8,485,193	B2		7/2013	Worley
8,534,278	B2		9/2013	Colman et al.
D691,712	S		10/2013	Judson et al.
D691,717	S		10/2013	McLean et al.
D692,555	S		10/2013	Maksym et al.
D695,890	S		12/2013	Bowden et al.
D697,200	S		1/2014	Mahaffy
D698,440	S		1/2014	Lombardi, III
8,622,057	B2		1/2014	Ujhazy et al.
D707,355	S		6/2014	Bow
8,741,220	B2		6/2014	O'Donnell et al.
D709,996	S		7/2014	Yu
D710,695	S		8/2014	Pritikin
8,814,849	B1		8/2014	Winsor
8,870,238	B2		10/2014	Robert et al.
D717,942	S		11/2014	Neff et al.
8,960,727	B2		2/2015	Kendrick
D724,720	S		3/2015	O'Connor et al.
8,967,144	B2		3/2015	Lurie
D726,287	S		4/2015	Steele
D727,492	S		4/2015	Scampoli
9,010,330	B2		4/2015	Barlow et al.
D735,038	S		7/2015	Tamarindo
D735,326	S		7/2015	Gulliver
D736,906	S		8/2015	Schultz
D736,914	S		8/2015	Schultz
D737,963	S		9/2015	Srinivasan et al.
9,132,252	B2		9/2015	Barlow et al.
9,188,267	B2		11/2015	Fansler
D746,416	S		12/2015	Bariar
D747,471	S		1/2016	Gulliver et al.
D747,794	S		1/2016	Greenberg et al.
D750,239	S		2/2016	Pappalardo
D751,687	S		3/2016	Daly
D757,259	S		5/2016	Duck
D757,933	S		5/2016	Lev et al.
D759,486	S		6/2016	Ingram
D764,049	S		8/2016	Cullen et al.
9,440,040	B2		9/2016	Klasek et al.
D768,285	S		10/2016	Reed
D771,247	S		11/2016	Shinohara et al.
9,480,809	B2		11/2016	Guney et al.
D777,317	S		1/2017	Soual et al.
D777,324	S		1/2017	Nguyen
D781,417	S		3/2017	Ingram
D784,525	S		4/2017	Nguyen
D785,161	S		4/2017	Dravitzki et al.
D785,789	S		5/2017	Turturro et al.
D787,053	S		5/2017	Huang et al.
D787,054	S		5/2017	Rini et al.
D787,661	S		5/2017	Edwards et al.
D790,054	S		6/2017	Prentice et al.
9,669,181	B2		6/2017	Miller et al.
9,675,774	B2		6/2017	Cipollone
D791,310	S		7/2017	Maurice
D791,938	S		7/2017	Becker
D791,939	S		7/2017	Turturro et al.
D792,584	S	*	7/2017	Ingram D24/127
D794,184	S		8/2017	Smith et al.
D794,781	S		8/2017	Gilbert et al.
D800,895	S		10/2017	Prentice
D804,023	S		11/2017	Huang et al.
9,808,612	B2		11/2017	Gulliver et al.
D804,661	S		12/2017	Shoji et al.
D805,629	S		12/2017	Fiorenza
D805,630	S		12/2017	Formica
D807,995	S		1/2018	Maeckelberghe et al.
9,868,001	B2		1/2018	Walker et al.
9,879,807	B2		1/2018	Brugger et al.
D809,656	S		2/2018	Lau et al.
9,884,176	B2		2/2018	Fangrow
D816,216	S		4/2018	Gulliver et al.
D825,749	S		8/2018	Huang et al.
D827,125	S		8/2018	Nilsson
D827,126	S		8/2018	Nilsson et al.
D832,431	S		10/2018	Turturro
D834,533	S		11/2018	Maroney
D834,712	S		11/2018	Gulliver et al.
D835,260	S		12/2018	Lisberg

D837,743	S		1/2019	Maroney			
D841,147	S		2/2019	McCool et al.			
D841,148	S		2/2019	Stoks et al.			
10,245,407	B2		4/2019	Osborne			
10,265,492	B2		4/2019	Amarasinghe et al.			
D847,752	S		5/2019	Barrefelt			
D849,242	S		5/2019	Wilson			
D849,931	S		5/2019	Prentice			
D852,356	S		6/2019	Steele et al.			
10,322,254	B2		6/2019	Fong et al.			
D852,949	S		7/2019	Klenner et al.			
10,335,583	B2		7/2019	Gulliver et al.			
D855,794	S		8/2019	Gray			
D856,510	S		8/2019	Scheirlinck			
D857,880	S		8/2019	Lau et al.			
D860,445	S		9/2019	Ho			
D861,162	S		9/2019	Gulliver et al.			
D863,545	S		10/2019	Dantanarayana			
10,449,320	B2		10/2019	Miller			
D867,583	S		11/2019	Yang et al.			
D867,586	S		11/2019	Kemps			
D867,587	S		11/2019	Holtz et al.			
D870,878	S		12/2019	Wilson			
D875,242	S		2/2020	Gordon			
D876,617	S		2/2020	Scheirlinck et al.			
D878,546	S		3/2020	Formica et al.			
D878,549	S		3/2020	Wilson			
D879,953	S		3/2020	Ljunglof et al.			
D879,956	S		3/2020	Klenner			
10,576,233	B2		3/2020	Harwood			
D880,686	S		4/2020	Stoks et al.			
D887,577	S		6/2020	Shor et al.			
D893,024	S		7/2020	Whiteside			
D893,016	S		8/2020	Wilson			
D894,376	S		8/2020	Boyes			
D895,103	S		9/2020	Dantanarayana			
D896,758	S		9/2020	Watkins			
D896,929	S		9/2020	Vranish			
10,786,663	B2		9/2020	Lauer			
D899,590	S		10/2020	Gulliver et al.			
10,792,486	B2		10/2020	Nelson			
D901,673	S		11/2020	Gordon			
D903,121	S		11/2020	Chan			
10,835,733	B1		11/2020	Gulliver et al.			
D909,564	S		2/2021	Bogan			
D910,840	S		2/2021	Klenner et al.			
D917,690	S		4/2021	Lau et al.			
D923,169	S		6/2021	McCool et al.			
D923,768	S		6/2021	Maeckelberghe et al.			
D924,154	S		7/2021	Dykas et al.			
D924,377	S		7/2021	Kwak et al.			
D925,734	S		7/2021	Park			
11,052,236	B2		7/2021	Gulliver et al.			
D928,925	S		8/2021	Lei			
D928,948	S		8/2021	Gulliver et al.			
D928,949	S		8/2021	Gulliver et al.			
D930,184	S		9/2021	Johnson			
D933,815	S		10/2021	Eves et al.			
D938,016	S		12/2021	Eves et al.			
D940,861	S		1/2022	Mosen et al.			
11,224,728	B2		1/2022	Ignon			
D944,936	S		3/2022	Chaves et al.			
D944,939	S		3/2022	Chaves			
D948,027	S	*	4/2022	Babbage	D24/110		
D949,294	S		4/2022	Chandler			
D949,295	S		4/2022	Chaves			
D958,968	S		7/2022	Hobbs			
D970,721	S		11/2022	Ros Fabrega et al.			
11,504,099	B1		11/2022	Smith et al.			
D973,887	S		12/2022	Rohde, II et al.			
D974,551	S		1/2023	Mosen et al.			
D975,839	S		1/2023	Kuo			
D977,087	S		1/2023	Siew			
D983,353	S	*	4/2023	Babbage	D24/110		
D984,639	S	*	4/2023	Fang	D24/129		
D988,500	S		6/2023	Ishikawa			
D995,758	S		8/2023	McDermott et al.			
2001/0004970	A1		6/2001	Hollister			
2001/0029949	A1		10/2001	Blackhurst et al.			
2001/0031819	A1		10/2001	Iwata et al.			
2002/0017302	A1		2/2002	Fukunaga et al.			
2002/0112730	A1		8/2002	Dutkiewicz			
2002/0149200	A1		10/2002	Fumioka			
2002/0173748	A1		11/2002	McConnell			
2003/0116963	A1		6/2003	Teuscher et al.			
2003/0136932	A1		7/2003	Doyle			
2004/0090066	A1		5/2004	Hoffmann			
2004/0103686	A1		6/2004	Fehr et al.			
2004/0108218	A1		6/2004	Stubergh			
2004/0156915	A1		8/2004	Harman et al.			
2004/0261797	A1		12/2004	White et al.			
2005/0011524	A1		1/2005	Thomlinson et al.			
2005/0028822	A1		2/2005	Sleeper et al.			
2005/0077726	A1		4/2005	White et al.			
2005/0085794	A1		4/2005	Denoth et al.			
2005/0283114	A1		12/2005	Bresina			
2006/0107958	A1		5/2006	Sleeper			
2006/0107960	A1		5/2006	Smart			
2006/0113690	A1		6/2006	Huddart			
2007/0043334	A1		2/2007	Guala			
2007/0088327	A1		4/2007	Guala			
2007/0163588	A1		7/2007	Hebrank et al.			
2007/0169825	A1		7/2007	Packham et al.			
2007/0175473	A1		8/2007	Lewis et al.			
2007/0276356	A1		11/2007	Downing et al.			
2008/0041391	A1		2/2008	Worley			
2008/0093846	A1		4/2008	Sparks et al.			
2008/0105257	A1		5/2008	Klasek			
2008/0142019	A1		6/2008	Lewis et al.			
2008/0183153	A1		7/2008	Enns			
2008/0190436	A1		8/2008	Jaffe et al.			
2008/0214990	A1		9/2008	Smutney et al.			
2008/0264413	A1		10/2008	Doherty			
2008/0287920	A1		11/2008	Fangrow et al.			
2009/0101147	A1		4/2009	Landis et al.			
2009/0120434	A1		5/2009	Smith et al.			
2009/0223523	A1		9/2009	Chang			
2009/0223963	A1		9/2009	Bisio			
2009/0240178	A1		9/2009	Hanlon et al.			
2009/0266357	A1		10/2009	Varis et al.			
2009/0299158	A1		12/2009	Boatner et al.			
2010/0043789	A1		2/2010	Fine et al.			
2010/0116272	A1		5/2010	Row et al.			
2010/0148500	A1		6/2010	Uehara et al.			
2010/0163051	A1		7/2010	Brewer et al.			
2010/0168600	A1		7/2010	Adriance et al.			
2010/0192957	A1		8/2010	Hobson et al.			
2010/0206310	A1		8/2010	Matsubara et al.			
2010/0242961	A1		9/2010	Mougel et al.			
2011/0067704	A1		3/2011	Kooij et al.			
2011/0074148	A1		3/2011	Imai			
2011/0120472	A1		5/2011	Lee et al.			
2011/0139151	A1		6/2011	Burns			
2011/0139826	A1		6/2011	Hair			
2011/0162644	A1		7/2011	Ujhazy et al.			
2011/0240031	A1		10/2011	Jaffre			
2011/0253136	A1		10/2011	Sweeney et al.			
2011/0265796	A1		11/2011	Amarasinghe et al.			
2012/0157914	A1		6/2012	Stroup			
2012/0247477	A1		10/2012	Stephenson et al.			
2012/0305001	A1		12/2012	Tatkov			
2013/0037030	A1		2/2013	Matula			
2013/0104888	A1		5/2013	Landis et al.			
2013/0133651	A1		5/2013	Barker et al.			
2013/0167841	A1		7/2013	Sheffer et al.			
2013/0245611	A1		9/2013	Bonnet et al.			
2013/0255670	A1		10/2013	Ott et al.			
2013/0264821	A1		10/2013	Duck			
2013/0284167	A1		10/2013	Porteous et al.			
2013/0292592	A1		11/2013	Py			
2014/0000626	A1		1/2014	O'Connor et al.			
2014/0014108	A1		1/2014	Dillard			
2014/0053846	A1		2/2014	Wood			
2014/0144438	A1		5/2014	Klasek			
2014/0158127	A1		6/2014	Boucher et al.			
2014/0191501	A1		7/2014	Brugger et al.			
2014/0200475	A1		7/2014	Rubin			
2014/0238401	A1		8/2014	Paschall			

2014/0261416	A1	9/2014	Arcilla et al.	
2014/0338669	A1	11/2014	Zhao et al.	
2014/0373841	A1	12/2014	Nashed	
2015/0059745	A1	3/2015	Barker et al.	
2015/0083121	A1	3/2015	Fisher	
2015/0128944	A1	5/2015	Buechi	
2015/0167877	A1	6/2015	Kendrick	
2015/0209568	A1	7/2015	Rosenquist	
2015/0290416	A1	10/2015	Klasek	
2015/0306332	A1	10/2015	Bafile et al.	
2015/0320949	A1	11/2015	Jaffe	
2015/0320962	A1	11/2015	Bafile et al.	
2016/0001031	A1	1/2016	Laing et al.	
2016/0038701	A1*	2/2016	White	A61M 39/26 251/61.1
2016/0082218	A1	3/2016	Lau	
2016/0106913	A1	4/2016	Ng et al.	
2016/0131292	A1	5/2016	Decker	
2016/0193440	A1	7/2016	Sheffer et al.	
2016/0199634	A1	7/2016	Gagliardoni et al.	
2016/0228668	A1	8/2016	Martin	
2016/0287824	A1	10/2016	Chang	
2016/0305574	A1	10/2016	Burdge	
2017/0036007	A1	2/2017	Hallisey et al.	
2017/0065788	A1	3/2017	Chou	
2017/0065789	A1	3/2017	Reed	
2017/0197055	A1	7/2017	Moody	
2017/0333662	A1	11/2017	Ovinsky et al.	
2017/0361051	A1	12/2017	Eifler	
2018/0064901	A1	3/2018	Colman	
2018/0078728	A1	3/2018	Holyoake et al.	
2018/0085544	A1	3/2018	Holyoake	
2018/0117270	A1	5/2018	Bassin	
2018/0140819	A1	5/2018	Yang	
2018/0200148	A1	7/2018	Sanders	
2019/0022344	A1	1/2019	Lau et al.	
2019/0151842	A1	5/2019	Williams et al.	
2019/0167935	A1	6/2019	Siew et al.	
2019/0381268	A1	12/2019	Colman	
2020/0129724	A1	4/2020	Nelson	
2021/0205589	A1	7/2021	Dong	
2021/0322706	A1	10/2021	Lau et al.	
2021/0361924	A1	11/2021	Gulliver et al.	
2021/0402126	A1	12/2021	Lau et al.	
2021/0402127	A1	12/2021	Lau et al.	
2023/0021629	A1	1/2023	Ranjitsingh	
2023/0147017	A1	5/2023	Holyoake	

FOREIGN PATENT DOCUMENTS

CN	101365509		2/2009
CN	201775849		3/2011
CN	102019014		4/2011
DE	3709122		9/1988
DE	102007063556		7/2009
EM	000254420-0014		11/2004
EM	008110019-0001		9/2020
EM	008110019-0002	*	9/2020
EP	1 068 889		1/2001
EP	1 181 945		2/2002
EP	0 809 768		7/2002
EP	1 277 488		1/2003
EP	1 314 446		5/2003
EP	1 403 838		3/2004
EP	1 408 313		4/2004
EP	1 479 405		11/2004
EP	1 481 702		12/2004
EP	1 520 599		4/2005
EP	1 023 912	B1	11/2005
EP	1 449 502		12/2007
EP	1 933 074		6/2018
EP	2 906 287		6/2019
EP	2 877 224		9/2020
EP	2 925 396		9/2020
GB	1563359		3/1980
GB	2328260		2/1999
JP	09-028806		2/1997
JP	2002-126094		5/2002
JP	2007-236567		9/2007
JP	D1639030		8/2019
JP	D1723039		8/2022
JP	D1737290	*	2/2023
KR	1020040103139		12/2004
MY	13-1228-0303-0001	*	2/2013
TW	223055-0001		1/2023
WO	WO 90/014122		11/1990
WO	WO 94/004211		3/1994
WO	WO 97/015376		5/1997
WO	WO 99/012598		3/1999
WO	WO 03/082406		10/2003
WO	WO 04/108218		12/2004
WO	WO 05/018524		3/2005
WO	WO 05/079670		9/2005
WO	WO 05/102431		11/2005
WO	WO 07/019625		2/2007
WO	WO 07/024812		3/2007
WO	WO 08/144447		11/2008
WO	WO 09/094532		7/2009
WO	WO 09/146484		12/2009
WO	WO 11/062510		5/2011
WO	WO 11/079226		6/2011
WO	WO 12/052903		4/2012
WO	WO 13/022356		2/2013
WO	WO 13/088439		6/2013
WO	WO 13/127474		9/2013
WO	WO 14/015382		1/2014
WO	WO 14/077706		5/2014
WO	WO 14/097145		6/2014
WO	WO 14/129912		8/2014
WO	WO 2014/205513		12/2014
WO	WO 15/038014		3/2015
WO	WO 2015/142192		9/2015
WO	WO 16/157101		10/2016
WO	WO 16/157105		10/2016

OTHER PUBLICATIONS

Prestan REscue MAsk Adapters 50 Pack, Prestan, heartsmart.com, [Post date: unknown], [Site seen Aug. 9, 2023], Seen at URL: + https://www.heartsmart.com/prestan-rescue-mask-adapters-p (Year: 2023).*

AQR safety Connection, Staubli, [Post date: Nov. 29, 2023], [Site seen Aug. 9, 2023], Seen at URL: https://www.staubli.com/fr/en/fluid-connectors/products/quick-and-dry-disconnect-couplings/breathing-air.html (Year: 2023).*

Fisher & Paykel Healthcare Limited, Junior Tube and Chamber Kit brochure, 900PT531, 2012.

Huapa Mini hose connector for CPAP hose CPAP accessories Resmed air nasal masks, Amazon.com, first posted Oct. 9, 2018, https://amzn.to/3x62sdy, 8 pp.

Photos of current commercial connector illustrated in reference 1, 3 pages.

Salter Labs, "Air-Q Intubating Laryngeal Airways (ILA) The every-day airway that's ready for the unexpected."; Dec. 2018; 8 pages.

Pall Corporation, Jun. 10, 2019, Multiple-Patient-Use Anesthesia Circuits, product description, 5 pp.

JML Medical, Adaptor One Way Valve 220Dx221D w/Oxygen Stem, Teleflex, [Post date unknown], downloaded May 19, 2022, https://www.jmlmed.com/collections/respiratory-products/products/one-way-valve-by-teleflex, 2 pp.

New Leaf Home Medical, Pressure Line Adaptor for Ventilation Accessories, Medline, [Post date Unknown], downloaded May 19, 2022 https://newleafhomemedical.com/pressure-line-adaptor-for-ventilation-accessories/, 1 p.

RC Medical Incorporated, Hudson Dual Spray MDI Adaptor, CS/50, [Post date: Post date unknown], downloaded, May 19, 2022, https://www.rcmedical.com/viewProduct.cfm?productID=871, 1 p.

Fisher & Paykel Icon ThermoSmart Heated CPAP Tubing, 6 Foot, Fisher & Paykel, [Post date unknown], [Site seen Mar. 23, 2023], Seen at URL: https://helpmedicalsupplies.com/products/6-thermosmart-heated-hose-tubing-for-f-p-icon-cpap-machine?variant=9981444522099 (Year: 2023), 1 p.

Replacement Non-Heated Hose Tubing for Fisher & Paykel SleepStyle Auto CPAP Machine, Fisher & Paykel, .cpapstoreusa.com, [Post

Date: Jun. 26, 2022], [Site seen Mar. 23, 2023], Seen at URL: https://www.cpapstoreusa.com/product/ replacement-non-heated-hose-tubing-for-fisher-paykel-sleepstyle-auto-cpap-machine/ (Year: 2022), 1 p.
Replacement Tube Assembly for WIS_P, IBEET Short Tube Supplies—Quick Release & 360-Degree Rotatable, IBEET, Amazon.com, [Post date: Oct. 28, 2021], Seen at URL: https://www.amazon.com/Replacement-Tube-Assembly-Short-Supplies/dp/ B09GM12TMG (Year: 2021), 4 pp.

* cited by examiner

Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

(57) **CLAIM**

The ornamental design for a connector for a respiratory system conduit, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a connector for a respiratory system conduit which embodies our design.
FIG. **2** is a right side view thereof.
FIG. **3** is a front view thereof.
FIG. **4** is a left side view thereof.
FIG. **5** is a rear view thereof.
FIG. **6** is a bottom view thereof.
FIG. **7** is a top view thereof.
FIG. **8** is a front perspective view of a second embodiment of a connector for a respiratory system conduit which embodies our design.
FIG. **9** is a right side view thereof.
FIG. **10** is a front view thereof
FIG. **11** is a left side view thereof.
FIG. **12** is a rear view thereof.
FIG. **13** is a bottom view thereof; and,
FIG. **14** is a top view thereof.

The broken lines in the drawings illustrate portions of the connector for a respiratory system conduit which form no part of the claimed design. The inventors and applicant contemplate embodiments that claim the presently disclaimed subject matter.

The surface shading is an artefact of filing in the United States of America and does not necessarily form part of the claimed design. The inventors and applicant contemplate removal of a portion or all of the surface shading.

The references to "left", "right", "front", "rear", "top" and "bottom" in the figure descriptions are not meant to require certain in-use orientation; the connector for a respiratory system conduit according to the claimed design may be used on any orientation.

1 Claim, 14 Drawing Sheets

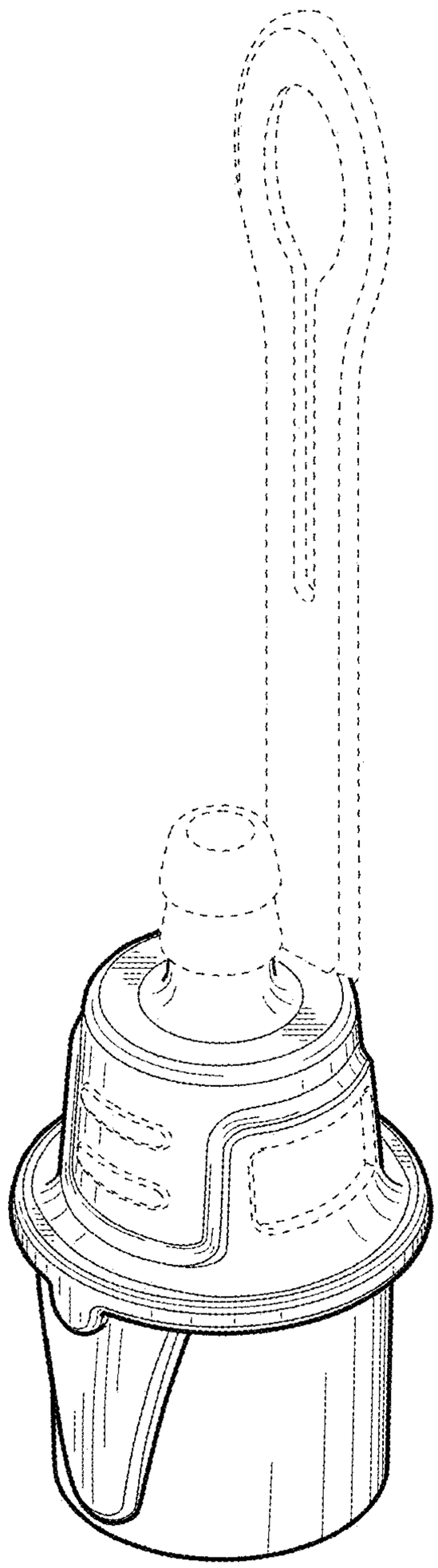


FIG. 1

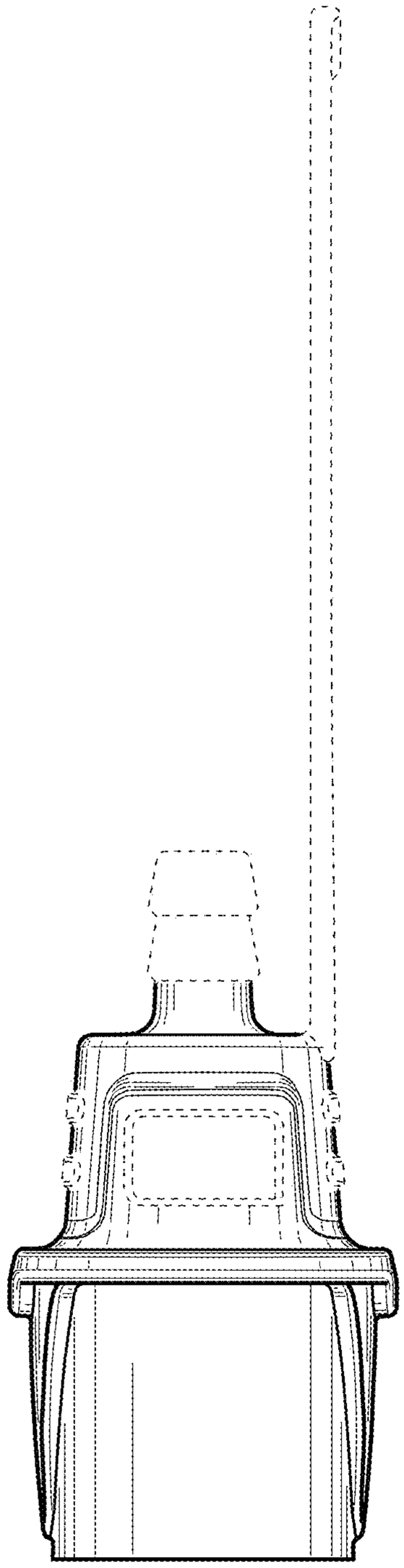


FIG. 2

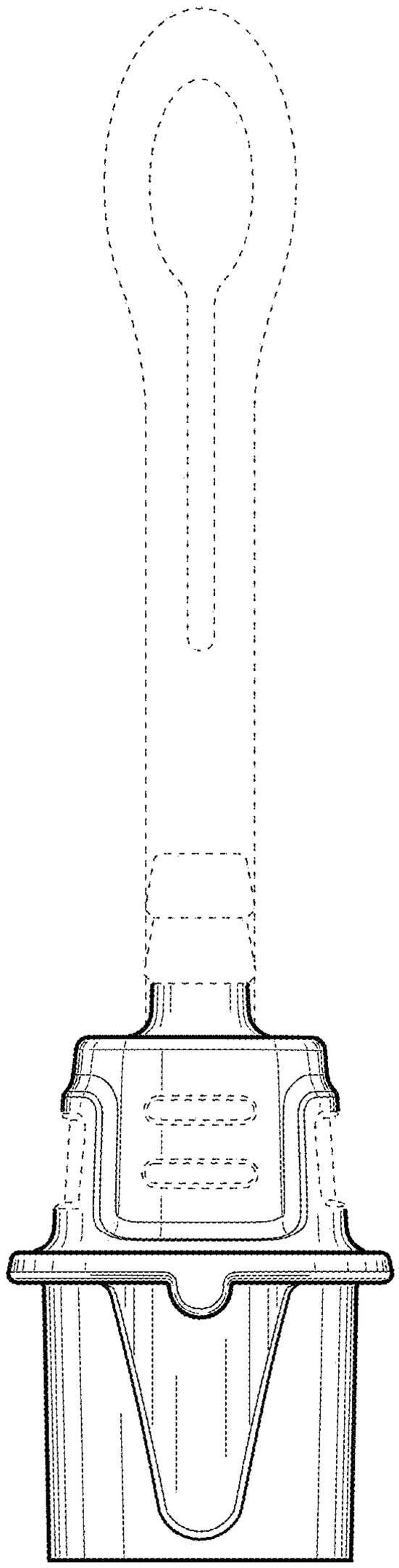


FIG. 3

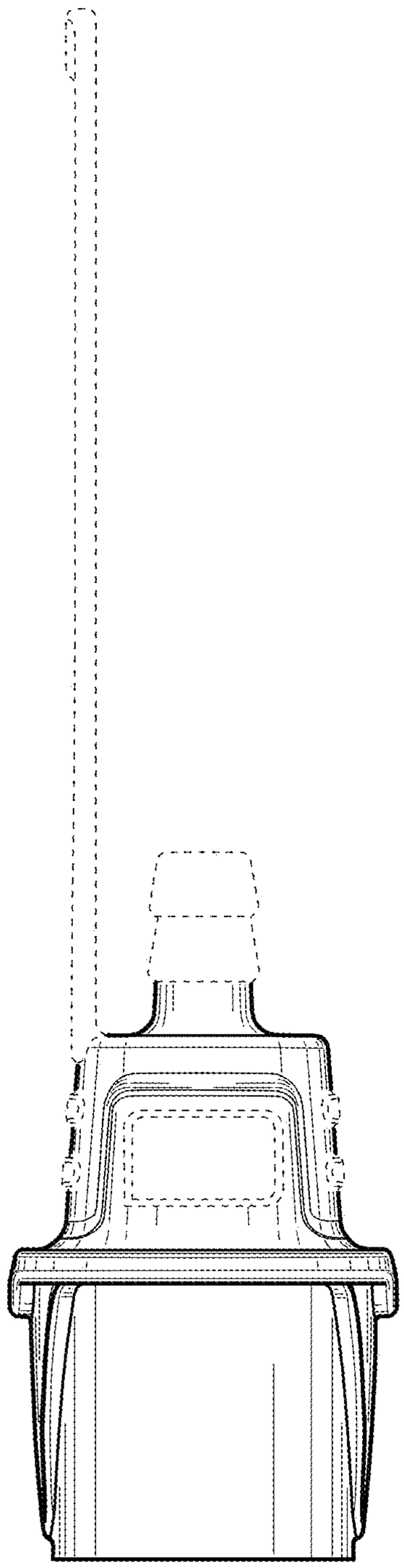


FIG. 4

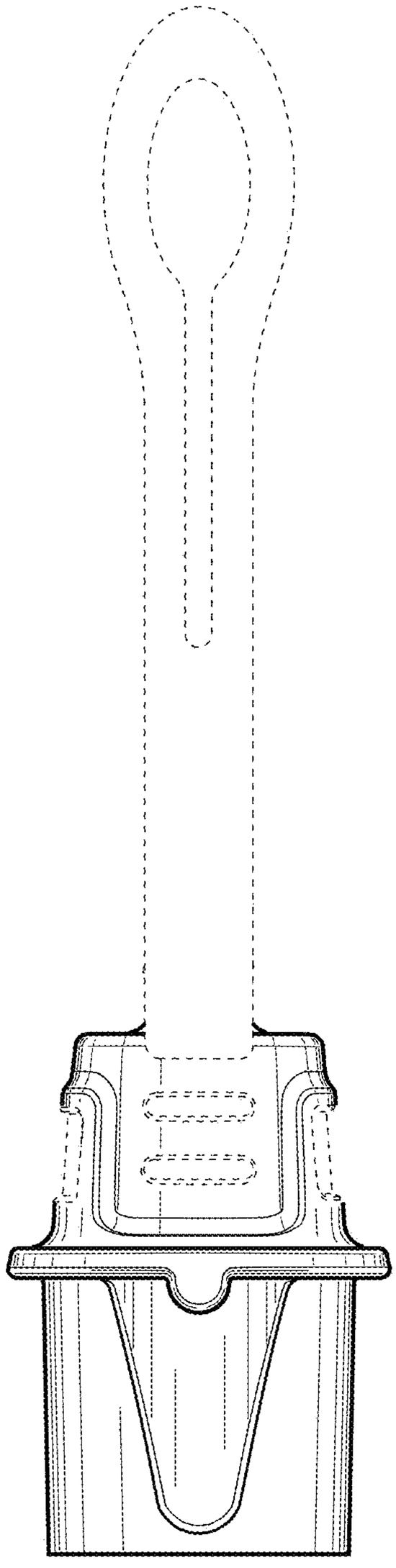


FIG. 5

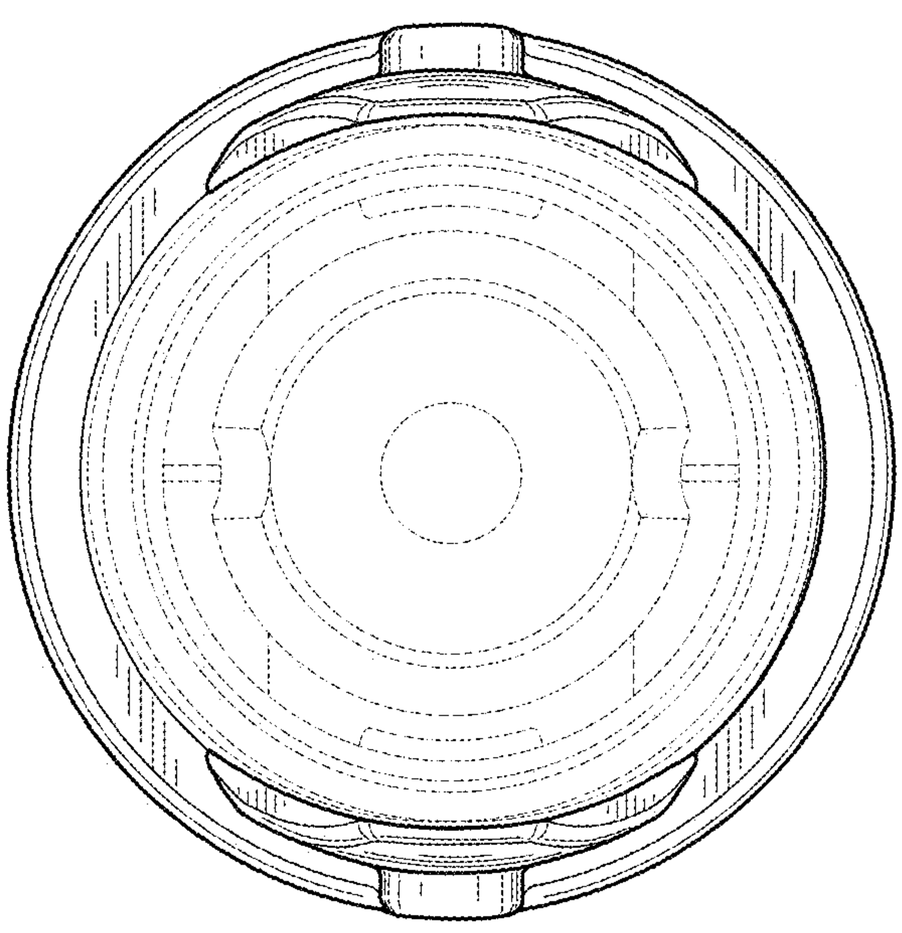


FIG. 6

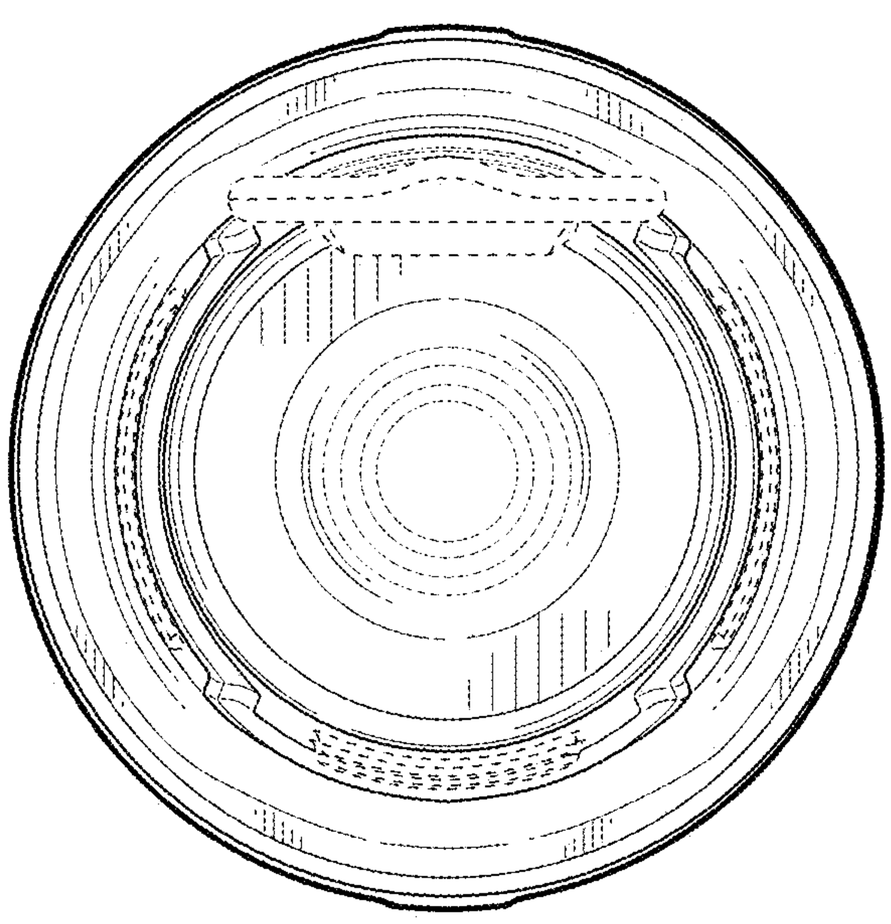


FIG. 7

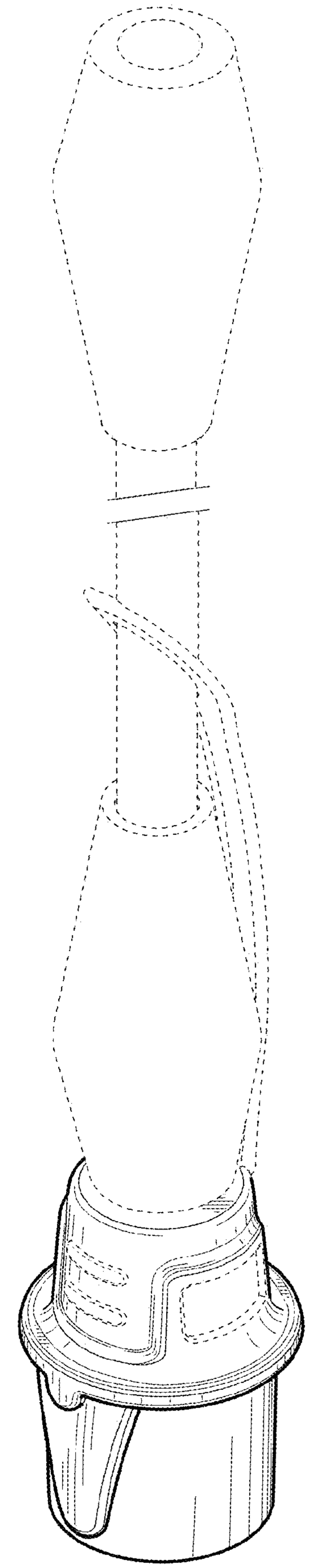


FIG. 8

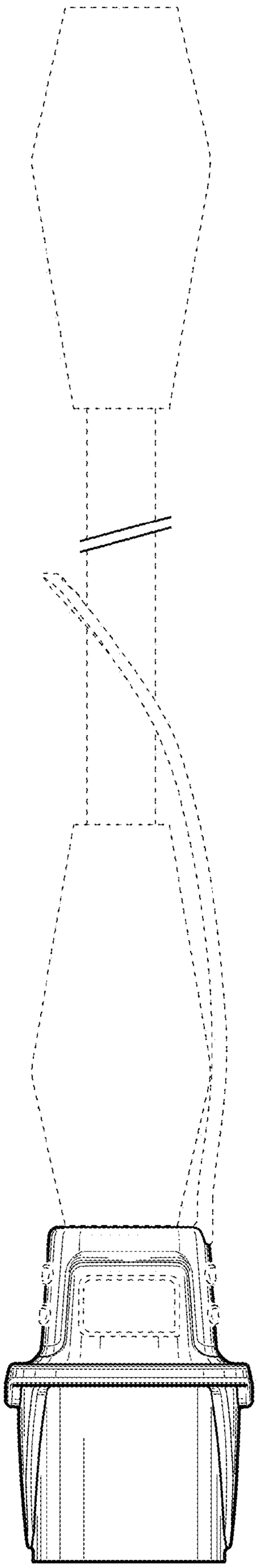


FIG. 9

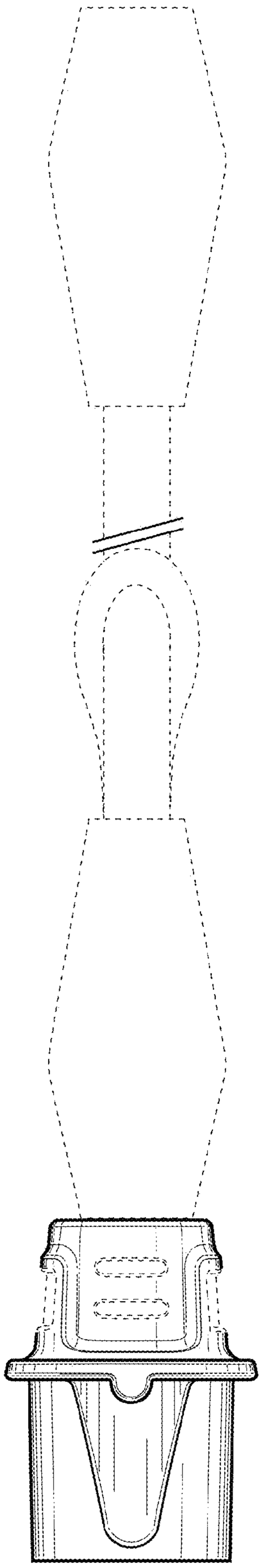


FIG. 10

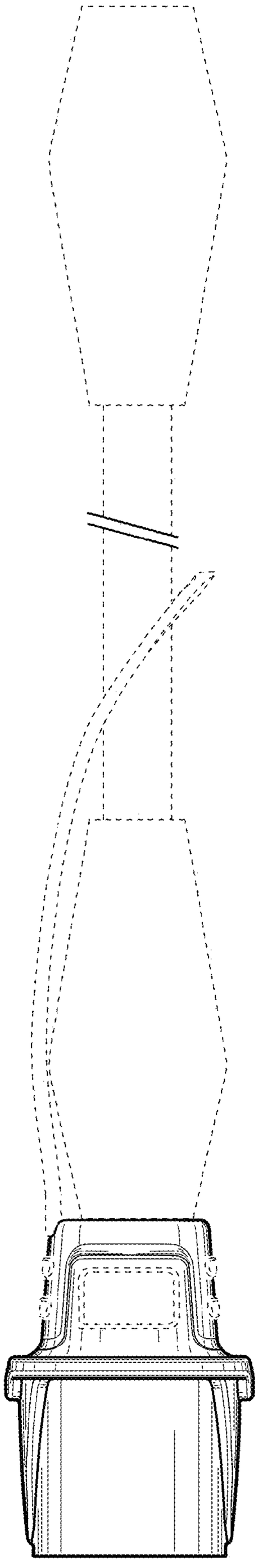


FIG. 11

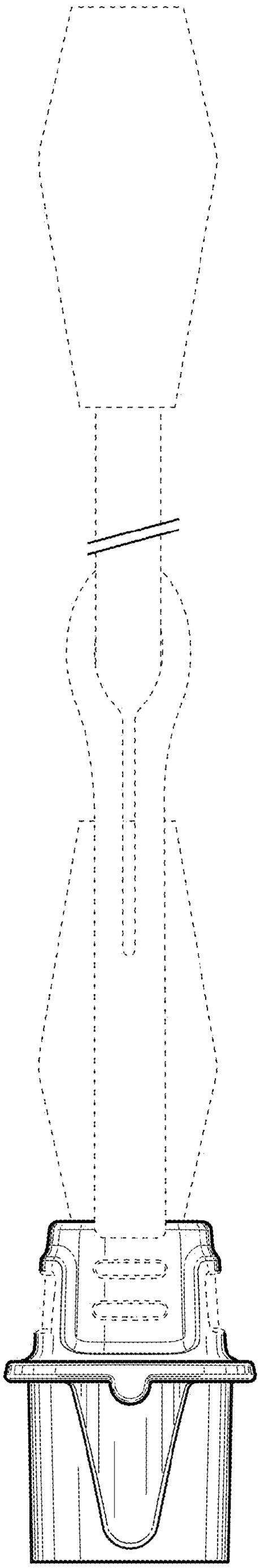


FIG. 12

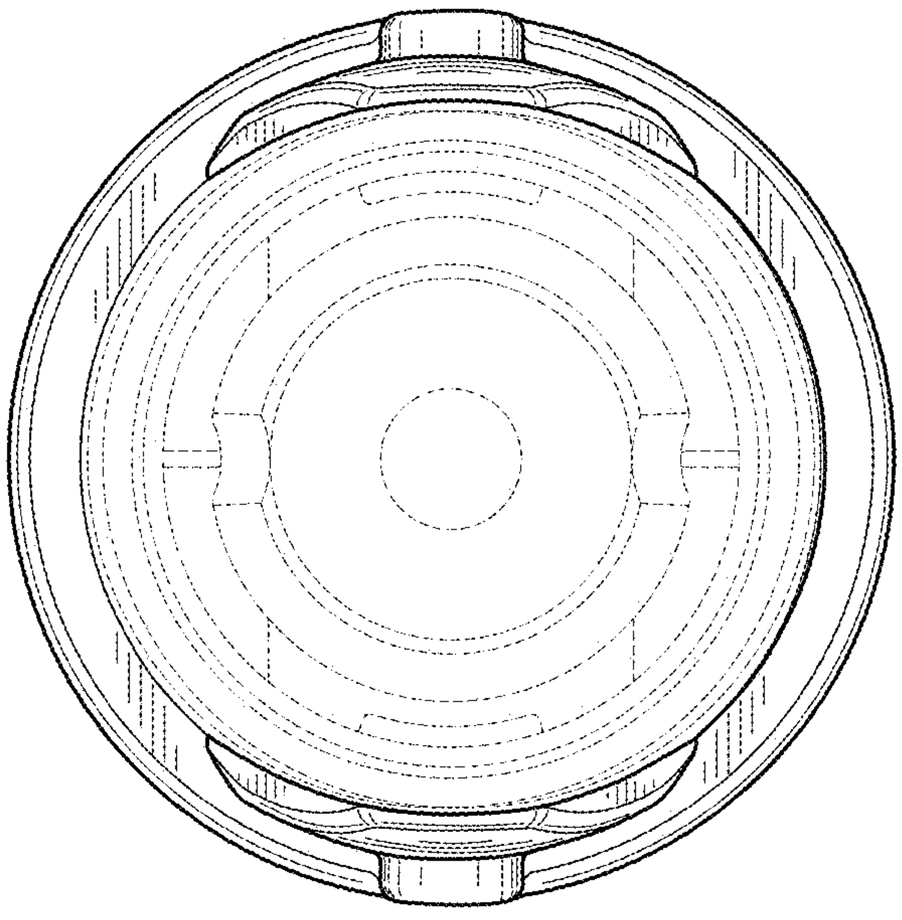


FIG. 13

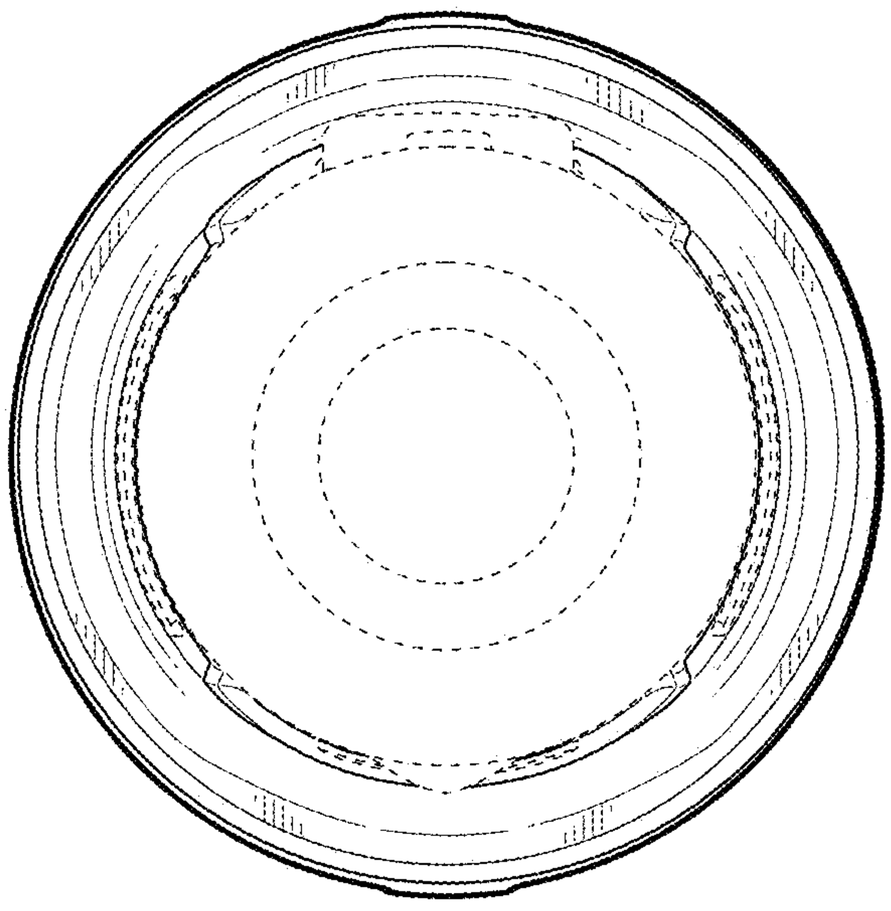


FIG. 14