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(12) **United States Design Patent** (10) **Patent No.:** **US D901,897 S**  
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(54) **RESERVOIR FOR DENTAL APPLIANCE**

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(73) Assignee: **Dyson Technology Limited**, Malmesbury (GB)

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

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**Related U.S. Application Data**

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Nov. 2, 2016	(GB)	6002272

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(52) **U.S. Cl.**  
USPC ..... **D4/101**

(58) **Field of Classification Search**  
USPC ..... D4/100, 101, 102, 104, 105, 106, 107, D4/108, 109, 110, 111, 112, 113, 114, D4/115, 116, 117, 118, 119, 120, 121, D4/122, 123, 124, 125, 126, 127, 128, D4/129, 130, 132, 133, 134, 136, 138, D4/199; D24/111, 127, 152, 177  
CPC ..... A46B 11/0062; A46B 13/04; A46B 2200/1066; A46B 11/00; A46B 13/00; A46B 15/0097

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,051,815 A	1/1913	Morgan
D84,131 S	5/1931	D'Ayrenx et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN	304361403	11/2017
GB	2538299 A	11/2016

(Continued)

**OTHER PUBLICATIONS**

Courtney et al., U.S. Office Action dated Jun. 9, 2020, directed to U.S. Appl. No. 29/682,799; 8 pages.

(Continued)

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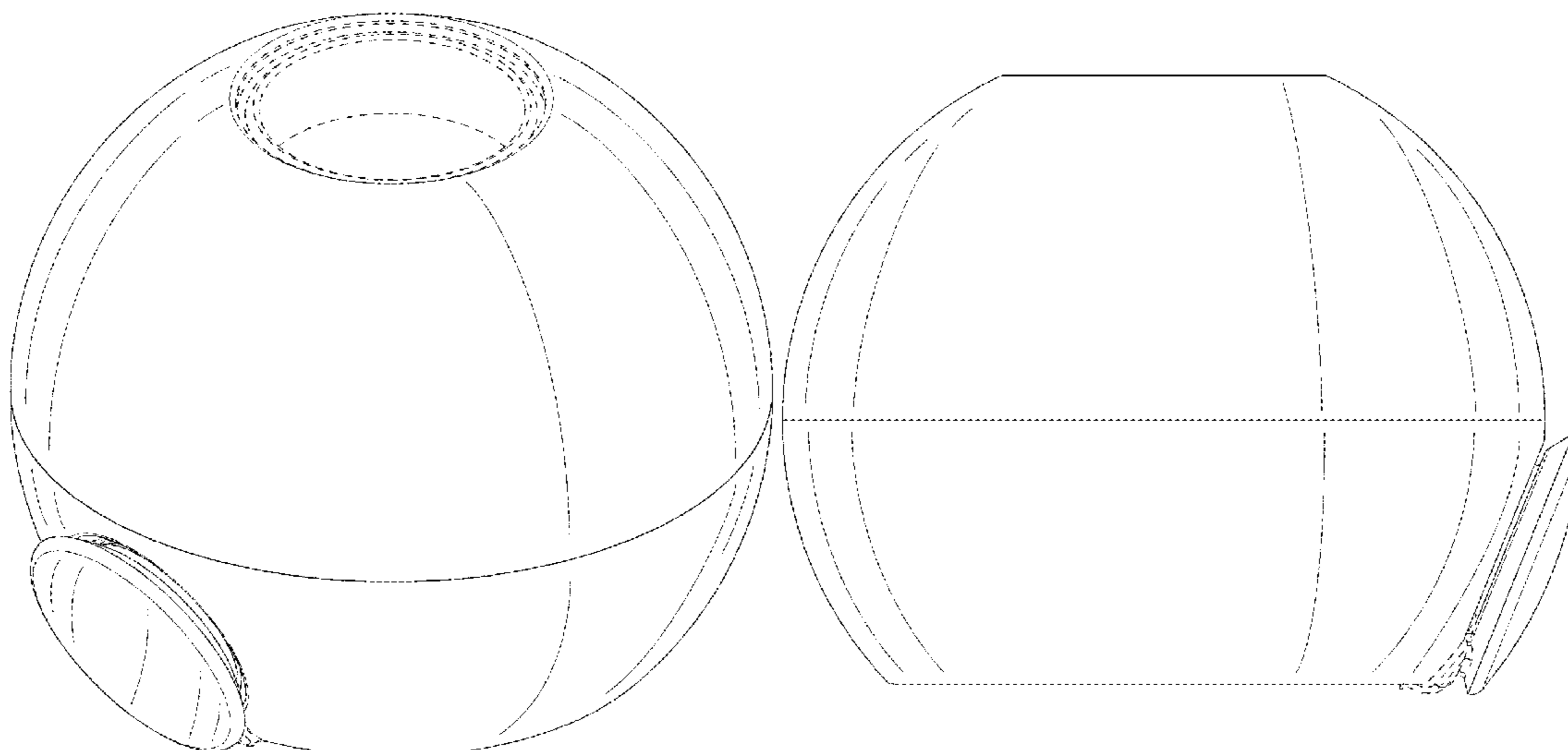
(57) **CLAIM**

We claim the ornamental design for a reservoir for dental appliance, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a reservoir for dental appliance showing our new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a side elevation view thereof;  
FIG. 5 is a side elevation view of the opposite side of the design as that shown in FIG. 4;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines in the drawings represent portions of a reservoir for dental appliance that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

1,847,495 A	3/1932	Priest		6,220,772 B1	4/2001	Taylor	
1,959,601 A *	5/1934	Schulse .....	G04B 19/2534	D445,831 S *	7/2001	Lindner .....	A61C 17/28
			368/24				D19/162
2,036,706 A	4/1936	Law		D446,022 S	8/2001	Vonarburg et al.	
D113,432 S	2/1939	Newman		D451,244 S	11/2001	Chen et al.	
2,318,460 A	5/1943	Brief		6,332,233 B1	12/2001	Proulx	
D153,130 S	9/1949	Fischer		D453,996 S	3/2002	Kling et al.	
2,490,185 A *	12/1949	Work .....	G09B 27/08	D455,010 S	4/2002	Kling	
			434/143	D455,556 S	4/2002	Kling	
D197,763 S *	3/1964	Aymar .....	G04B 19/226	D456,608 S	5/2002	Lim	
			D4/101	D456,996 S *	5/2002	McCurrach .....	A46B 11/001
3,370,415 A *	2/1968	McIlvaine .....	G04B 19/22				D4/101
			368/24	D458,028 S	6/2002	McCurrach	
3,728,035 A *	4/1973	Reitknecht .....	A46B 11/0079	D458,029 S	6/2002	Li	
			401/175	6,422,974 B1	7/2002	Schimmel	
3,734,106 A *	5/1973	Zimmerman .....	A46B 5/0095	D462,174 S	9/2002	Schaber	
			132/311	6,461,164 B1	10/2002	Ramelli	
D230,654 S	3/1974	Fishbein		D465,279 S	11/2002	Etter et al.	
D258,237 S	2/1981	Anspach		D468,422 S *	1/2003	McCurrach .....	A61C 1/0061
4,277,194 A *	7/1981	Smith .....	A46B 11/0027				D24/111
			222/326	D476,156 S	6/2003	Ferber et al.	
D264,359 S *	5/1982	Grubb .....	A61C 17/36	D477,716 S	7/2003	Roberson	
			D21/406	D478,212 S *	8/2003	Winkler .....	A46B 3/16
4,344,184 A	8/1982	Edwards					D4/104
D276,935 S	12/1984	Fattaleh		D478,214 S *	8/2003	Winkler .....	A61C 17/28
4,761,138 A *	8/1988	Niesyn .....	G04B 19/26				D4/104
			434/136	D478,423 S	8/2003	Mulder et al.	
D301,400 S	6/1989	Berendsen et al.		D483,182 S	12/2003	Blaustein et al.	
4,949,875 A *	8/1990	Kuo .....	A46B 11/0006	D487,911 S *	3/2004	Cheney .....	B43L 19/0056
			222/156				D21/713
D310,368 S	9/1990	Derhaag et al.		D492,717 S	7/2004	Cohen	
D315,831 S	4/1991	Kawano		D492,996 S *	7/2004	Rehkemper .....	A61C 17/227
D319,170 S	8/1991	Franke					D24/111
D320,275 S	9/1991	Wada et al.		6,766,549 B2	7/2004	Klupt	
D321,285 S	11/1991	Hirabayashi		D497,481 S	10/2004	Porter et al.	
5,062,728 A *	11/1991	Kuo .....	A46B 11/0017	D499,554 S *	12/2004	Ramelli .....	D4/107
			401/150	D500,136 S	12/2004	Rehkemper et al.	
D323,326 S	1/1992	Takawo		D500,209 S	12/2004	Kellogg	
D323,745 S	2/1992	Stuart		D500,599 S	1/2005	Callaghan	
D336,567 S	6/1993	Glover et al.		D501,605 S *	2/2005	Brown, Jr. ....	D4/101
5,303,109 A	4/1994	Takao		D503,852 S	4/2005	Hensel	
5,349,480 A	9/1994	Takao		D504,911 S *	5/2005	Ng .....	D19/135
D353,490 S	12/1994	Hartwein		D508,776 S	8/2005	Kling et al.	
D354,168 S	1/1995	Hartwein		D509,362 S	9/2005	Maeda	
5,379,271 A	1/1995	Moedt		7,007,331 B2	3/2006	Davies et al.	
D357,016 S	4/1995	Li et al.		D521,681 S *	5/2006	Xu .....	D21/713
D359,607 S	6/1995	Yun		D527,187 S	8/2006	Ramelli	
D379,472 S *	5/1997	Smith .....	A61C 17/227	D527,527 S *	9/2006	Ramelli .....	D4/107
			D19/131	D528,176 S *	9/2006	Milliken .....	D21/713
D384,207 S	9/1997	Underwood		D531,240 S *	10/2006	Geisendorfer .....	D21/713
D385,702 S	11/1997	Okada		D531,811 S	11/2006	Cochran	
D387,805 S *	12/1997	Hsu .....	A46B 5/02	D532,974 S	12/2006	Zhuan	
			D19/61	D533,720 S	12/2006	Vu	
D388,958 S	1/1998	Hartwein		D534,728 S	1/2007	Vu	
D393,016 S	3/1998	Young		D541,049 S *	4/2007	Huang .....	D28/63
D396,957 S	8/1998	Allende		D549,209 S	8/2007	Bauman et al.	
5,815,872 A	10/1998	Meginniss, III et al.		D556,453 S	12/2007	Sprosta et al.	
D401,270 S *	11/1998	Cockram .....	A63B 23/16	D556,455 S *	12/2007	Williams .....	D4/108
			D18/16	D562,488 S	2/2008	Weiser	
D403,864 S	1/1999	Holland et al.		D569,623 S	5/2008	Beedham	
D411,483 S	6/1999	Greene, Jr.		7,389,781 B2	6/2008	Kemp et al.	
D411,769 S	7/1999	Wright		D572,007 S *	7/2008	Lamason .....	D4/101
D413,729 S	9/1999	Jansheski, Jr.		D577,199 S	9/2008	Zhuan	
D417,082 S *	11/1999	Classen .....	A46B 5/00	D579,664 S	11/2008	Fisher et al.	
			D24/111	D579,666 S	11/2008	Jamson	
D419,305 S	1/2000	Porter et al.		D580,173 S *	11/2008	Beedham .....	D4/101
6,047,429 A	4/2000	Wu		D583,052 S	12/2008	Kagawa	
D423,784 S	5/2000	Joulin		D586,125 S	2/2009	Winkler et al.	
D428,704 S	8/2000	Wildman		D588,364 S	3/2009	Nanda	
D433,232 S	11/2000	Stutzer et al.		D589,255 S	3/2009	Taylor et al.	
D433,813 S	11/2000	Stutzer et al.		D589,256 S	3/2009	Taylor et al.	
D433,814 S	11/2000	Blaustein et al.		7,527,446 B2	5/2009	Johnson Papa et al.	
D436,254 S	1/2001	Kling et al.		D595,366 S *	6/2009	Katzke .....	D21/713
D440,766 S	4/2001	Hartwein et al.		D595,771 S *	7/2009	Oas .....	D19/177
				D598,653 S *	8/2009	Crossman .....	D4/101
				D598,806 S	8/2009	Rosenkötter	
				D599,555 S *	9/2009	Oliphant .....	D4/101
				D612,611 S *	3/2010	Brown, Jr. ....	D4/101
				D621,455 S *	8/2010	Chernick .....	D21/398

(56)

References Cited

U.S. PATENT DOCUMENTS

D627,971 S *	11/2010	Battaglia	D4/104	D798,060 S *	9/2017	Shigeno	D4/101
D634,547 S	3/2011	Botelho		D799,217 S *	10/2017	Massee	D4/101
D636,604 S	4/2011	Zhuan		D799,756 S	10/2017	Fox	
D637,817 S	5/2011	Smith		D801,696 S	11/2017	McGarry et al.	
D645,922 S *	9/2011	Wu	D21/398	9,814,302 B2	11/2017	Follows et al.	
D649,787 S	12/2011	Ivarsson		9,820,563 B2	11/2017	Follows et al.	
D657,565 S	4/2012	Gebski		D804,918 S	12/2017	Lipford	
D657,954 S *	4/2012	Gebski	D4/101	D806,228 S	12/2017	Yan	
D658,883 S	5/2012	Winkler et al.		9,839,284 B2	12/2017	Follows et al.	
D669,274 S	10/2012	Meurrens		D810,513 S	2/2018	McCoy et al.	
D669,978 S	10/2012	Gebski et al.		D814,195 S	4/2018	Sikora et al.	
8,317,424 B2	11/2012	Chenvainu et al.		D819,337 S	6/2018	Yuan et al.	
D673,225 S *	12/2012	Heidrich	D21/400	10,022,208 B2	7/2018	Yoshida et al.	
8,434,190 B2	5/2013	Stief et al.		D836,345 S	12/2018	Courtney et al.	
8,444,416 B2	5/2013	Chenvainu et al.		D836,346 S	12/2018	Courtney et al.	
D688,464 S	8/2013	Hara		D838,991 S	1/2019	Choi et al.	
D688,877 S	9/2013	Li		D839,597 S	2/2019	Courtney et al.	
D689,125 S	9/2013	Lochen		D839,598 S	2/2019	Courtney et al.	
D689,698 S	9/2013	Dickie et al.		D839,599 S	2/2019	Courtney et al.	
D690,369 S *	9/2013	Wu	D21/464	D847,512 S	5/2019	Goldberg et al.	
D693,581 S *	11/2013	Ballmaier	D4/104	D848,746 S *	5/2019	Courtney	D4/101
D694,524 S	12/2013	Erskine-Smith		D848,747 S *	5/2019	Courtney	D4/101
D696,024 S *	12/2013	Shigeno	D4/101	D854,328 S	7/2019	Courtney et al.	
D696,517 S *	12/2013	Gebski	D4/101	D854,329 S *	7/2019	Courtney	D4/101
D701,388 S	3/2014	Chuanzhou et al.		D854,330 S *	7/2019	Courtney	D4/101
D702,946 S *	4/2014	Shigeno	D4/101	D857,396 S	8/2019	Nguyen et al.	
D704,337 S	5/2014	Dunn		D863,774 S *	10/2019	Courtney	D4/101
D706,033 S	6/2014	Dickie et al.		D863,775 S *	10/2019	Courtney	D4/101
D707,764 S *	6/2014	Deveaux	D21/713	D863,776 S *	10/2019	Courtney	D4/101
D708,440 S *	7/2014	Owen	D4/102	D863,777 S *	10/2019	Courtney	D4/101
D711,988 S *	8/2014	Gubany	D21/709	D869,168 S *	12/2019	Courtney	D4/101
D712,988 S *	9/2014	Sagedahl	D21/713	D869,851 S *	12/2019	Courtney	D4/101
D713,391 S	9/2014	Ibuki et al.		10,492,894 B2	12/2019	Follows et al.	
D718,056 S	11/2014	Massee et al.		D875,405 S	2/2020	Courtney et al.	
D718,057 S	11/2014	Massee et al.		D881,580 S	4/2020	Smigel	
D719,737 S	12/2014	Adriaenssen et al.		D881,581 S	4/2020	Smigel	
D724,679 S *	3/2015	Martyn	D21/707	2001/0034917 A1	11/2001	DuCey	
D727,445 S *	4/2015	Viramontez	D21/713	2004/0187889 A1	9/2004	Kemp et al.	
9,039,642 B2	5/2015	Lee		2006/0078844 A1 *	4/2006	Goldman	A61C 1/0084 433/80
D735,280 S *	7/2015	O'Malley	D21/713	2006/0133885 A1 *	6/2006	Kaminski	A46B 11/0058 401/125
D736,870 S *	8/2015	Nagi	D21/707	2006/0257197 A1	11/2006	Papa et al.	
D738,968 S *	9/2015	Oz	D21/659	2009/0007357 A1	1/2009	Meadows et al.	
D741,423 S *	10/2015	Holland	D21/713	2012/0272468 A1	11/2012	Weisman et al.	
9,154,025 B2	10/2015	Schaefer et al.		2013/0007969 A1	1/2013	Driesen et al.	
D742,649 S	11/2015	Thompson		2013/0091645 A1	4/2013	Suwanbutr	
D749,851 S	2/2016	Watkins		2014/0246049 A1	9/2014	Ikkink et al.	
D749,852 S	2/2016	Since		2014/0259474 A1 *	9/2014	Sokol	A61C 17/0202 15/22.2
9,265,334 B1	2/2016	Fung-A-Wing		2015/0150664 A1 *	6/2015	Crossman	A61C 17/3418 15/22.1
D751,821 S	3/2016	Since		2015/0230898 A1	8/2015	Miller	
D752,868 S	4/2016	McGarry et al.		2015/0310763 A1	10/2015	Miller et al.	
D757,439 S	5/2016	Shigeno et al.		2016/0015163 A1	1/2016	Newman et al.	
D758,079 S	6/2016	Since		2016/0157596 A1	6/2016	Fifield	
D758,080 S	6/2016	Since		2016/0331113 A1	11/2016	Follows et al.	
D758,736 S *	6/2016	Shigeno	D4/101	2016/0331114 A1	11/2016	Follows et al.	
D759,381 S	6/2016	Watkins		2016/0331115 A1	11/2016	Follows et al.	
D759,382 S *	6/2016	Watkins	D4/101	2016/0331116 A1	11/2016	Follows et al.	
D761,567 S *	7/2016	Uchida	D4/101	2016/0331117 A1	11/2016	Follows et al.	
D766,580 S	9/2016	Kollar et al.		2016/0331497 A1	11/2016	Follows et al.	
D766,581 S *	9/2016	Bloch	D4/101	2016/0331498 A1	11/2016	Follows et al.	
D767,895 S	10/2016	Stebila et al.		2017/0119510 A1	5/2017	Tomori et al.	
D768,386 S	10/2016	Demarest et al.		2018/0021116 A1	1/2018	Storkel et al.	
D773,192 S	12/2016	Nabavi		2018/0055212 A1	3/2018	Follows et al.	
D773,822 S *	12/2016	Sikora	D4/101	2018/0055616 A1	3/2018	Zheng et al.	
D774,144 S *	12/2016	Fjelstad	D21/373	2018/0084898 A1	3/2018	Vincent et al.	
D775,288 S *	12/2016	Spiegler	D21/713	2018/0085207 A1	3/2018	Tweedie et al.	
D777,442 S	1/2017	White et al.		2018/0110321 A1	4/2018	Harris et al.	
D780,456 S	3/2017	Shigeno et al.		2018/0110322 A1	4/2018	Marsh et al.	
D787,189 S *	5/2017	Fretwell	D4/101	2018/0110601 A1	4/2018	Mighall et al.	
9,668,598 B2	6/2017	Wartersian et al.		2018/0116390 A1	5/2018	Tweedie et al.	
D790,859 S	7/2017	McGarry et al.		2018/0116774 A1	5/2018	Coleman et al.	
D790,861 S	7/2017	Demarest et al.		2018/0125221 A1	5/2018	Wronski et al.	
D791,485 S	7/2017	McGarry et al.		2018/0125621 A1	5/2018	Tweedie et al.	
9,700,129 B2	7/2017	Follows et al.		2018/0125624 A1	5/2018	Tweedie et al.	
D795,419 S	8/2017	Kohler		2018/0168332 A1	6/2018	Wagner et al.	
9,743,749 B2	8/2017	Follows et al.		2018/0221124 A1	8/2018	Carlyle et al.	



(56)

**References Cited**

## OTHER PUBLICATIONS

Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,345; 9 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,347; 8 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,349; 9 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,351; 9 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,359; 8 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,360; 7 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,363; 10 pages.  
 Courtney et al., U.S. Office Action dated May 16, 2018, directed to U.S. Appl. No. 29/602,365; 10 pages.  
 Courtney et al., U.S. Office Action dated May 17, 2018, directed to U.S. Appl. No. 29/602,327; 14 pages.  
 Courtney et al., U.S. Office Action dated May 17, 2018, directed to U.S. Appl. No. 29/602,331; 13 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,328; 15 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,333; 14 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,340; 13 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,341; 16 pages.

Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,342; 12 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,355; 12 pages.  
 Courtney et al., U.S. Office Action dated May 18, 2018, directed to U.S. Appl. No. 29/602,357; 11 pages.  
 Courtney et al., U.S. Office Action dated May 25, 2018, directed to U.S. Appl. No. 29/602,422; 15 pages.  
 Courtney et al., U.S. Office Action dated Oct. 16, 2019, directed to U.S. Appl. No. 29/682,798; 6 pages.  
 Courtney et al., U.S. Office Action dated Oct. 18, 2018, directed to U.S. Appl. No. 29/602,375; 9 pages.  
 Courtney et al., U.S. Office Action dated Oct. 18, 2018, directed to U.S. Appl. No. 29/602,377; 9 pages.  
 Courtney et al., U.S. Office Action dated Oct. 18, 2018, directed to U.S. Appl. No. 29/602,379; 9 pages.  
 Courtney et al., U.S. Office Action dated Oct. 18, 2018, directed to U.S. Appl. No. 29/602,445; 9 pages.  
 Courtney et al., U.S. Office Action dated Sep. 7, 2018, directed to U.S. Appl. No. 29/602,368; 9 pages.  
 Love, John. (Nov. 27, 2016) "Dyson is designing an electric toothbrush," located at <http://www.electriceeth.co.uk/dyson-is-designing-an-electric-toothbrush/> (18 pages).  
 Pettit, H. (Nov. 24, 2016). "Dyson's next device could be a smart Toothbrush that flosses your teeth with high-powered jets of water," located at <http://www.dailymail.co.uk/sciencetech/article-968756/Dyson-s-invention-smart-TOOTHBRUSH-flosses-teeth-water-clean-them.html> (5 pages).

\* cited by examiner

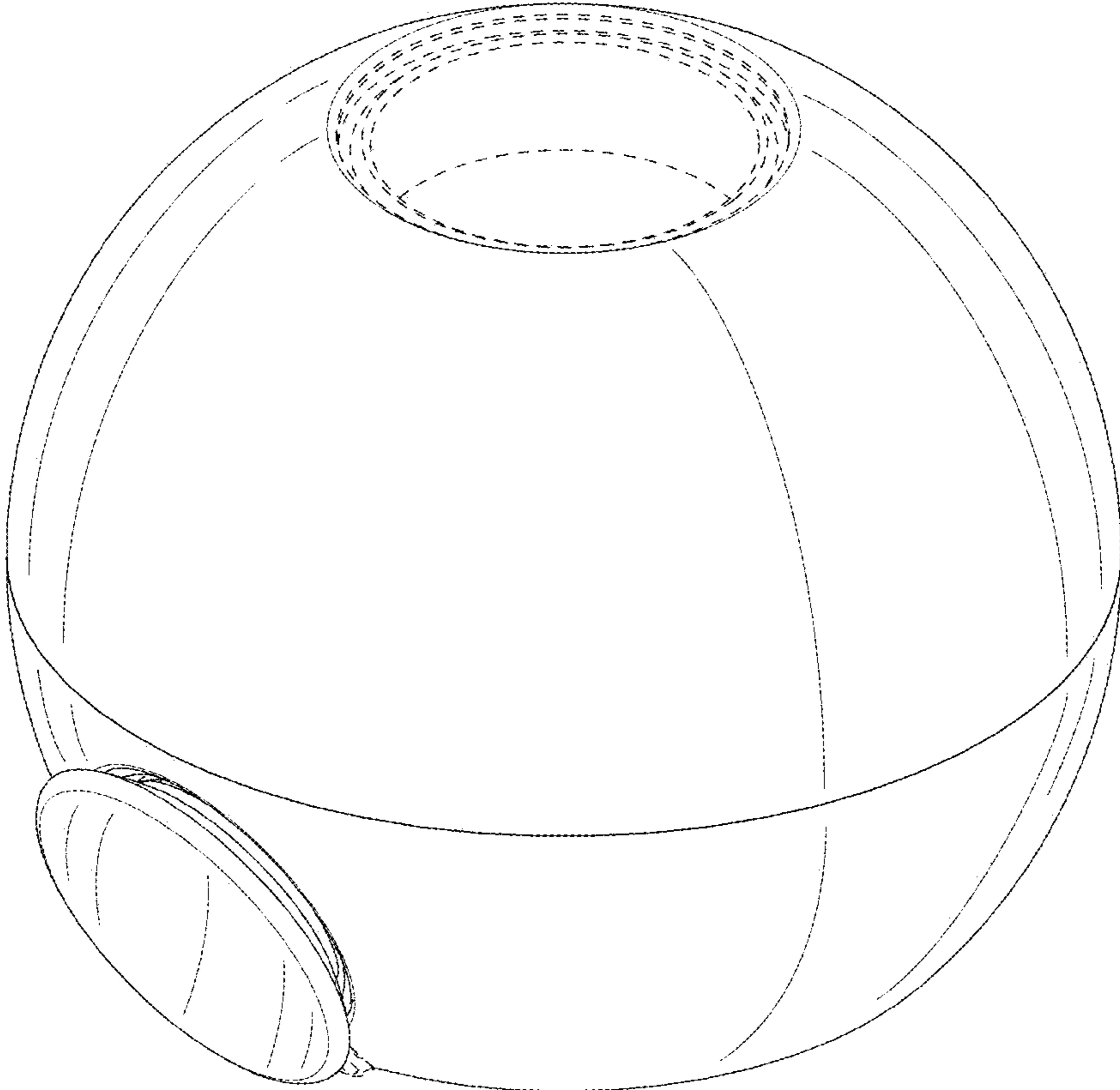


FIG. 1

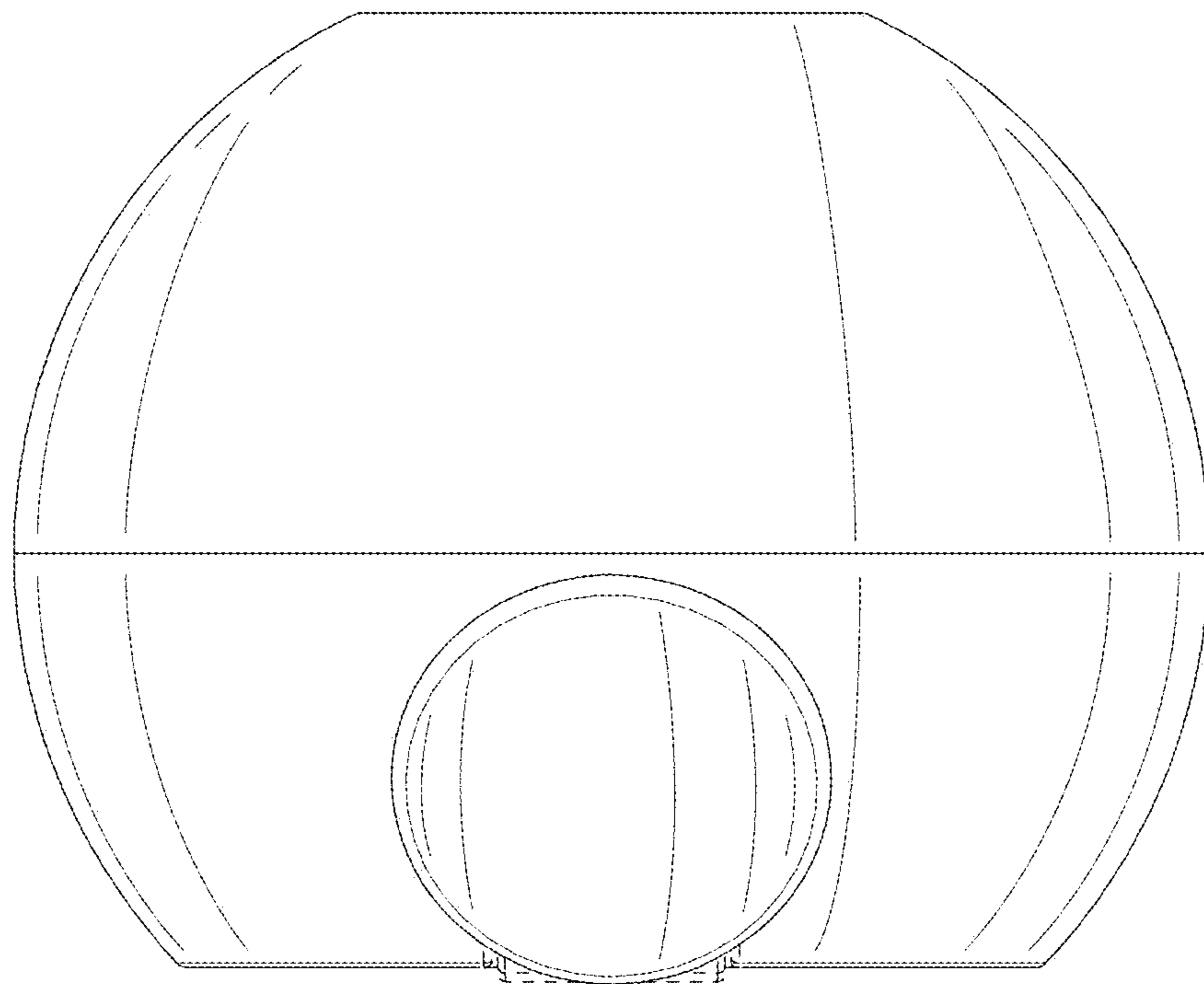


FIG. 2

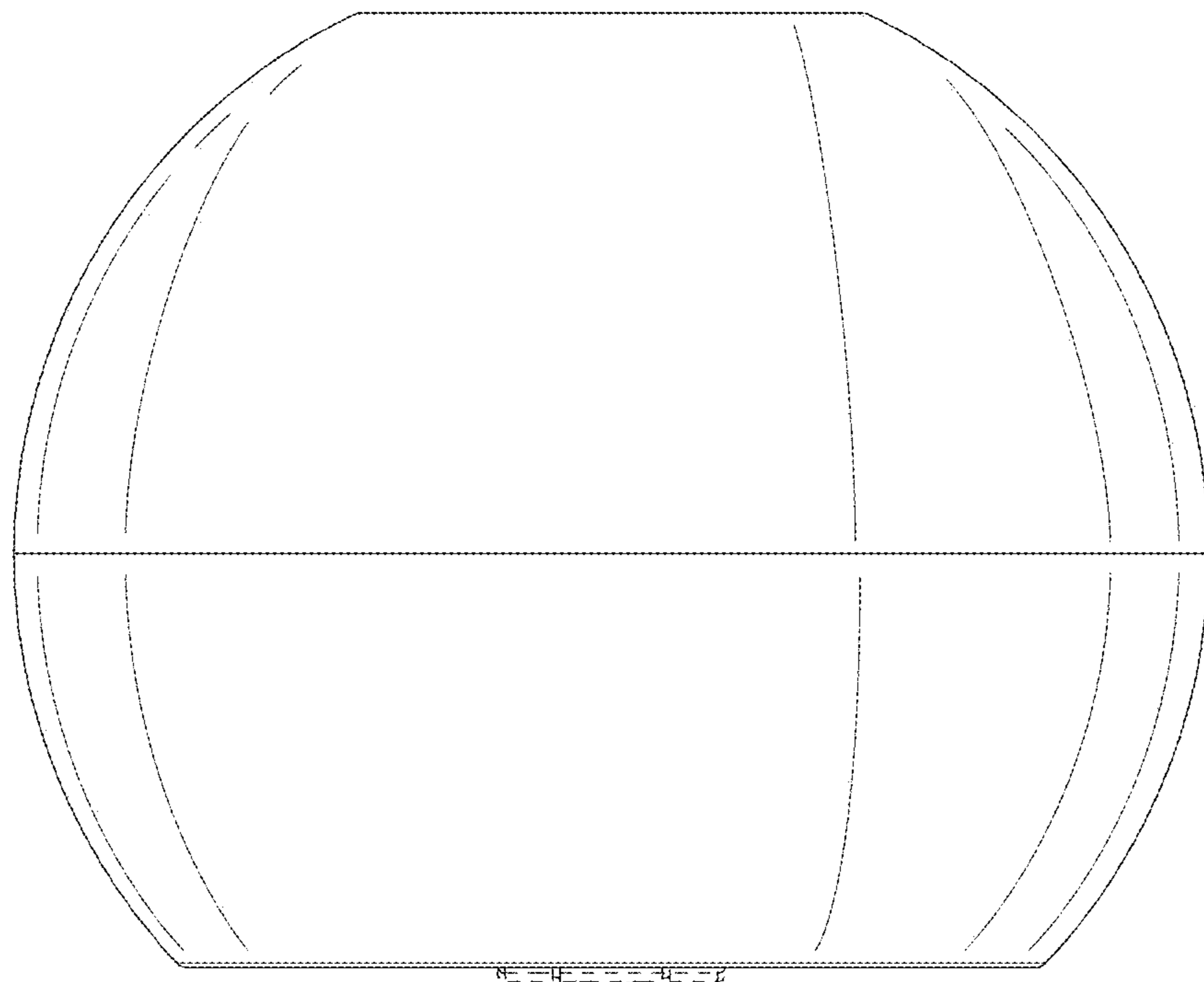


FIG. 3



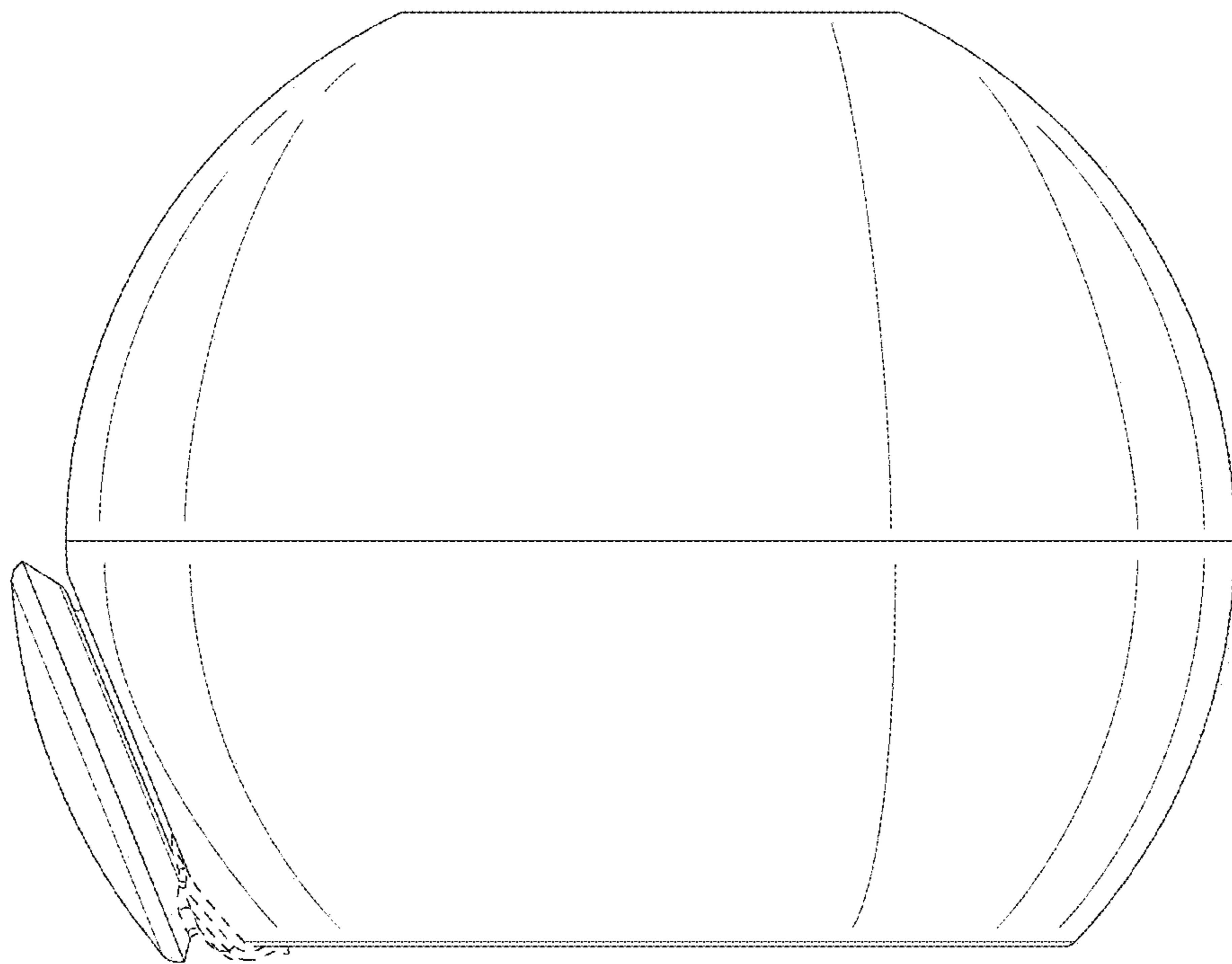


FIG. 4

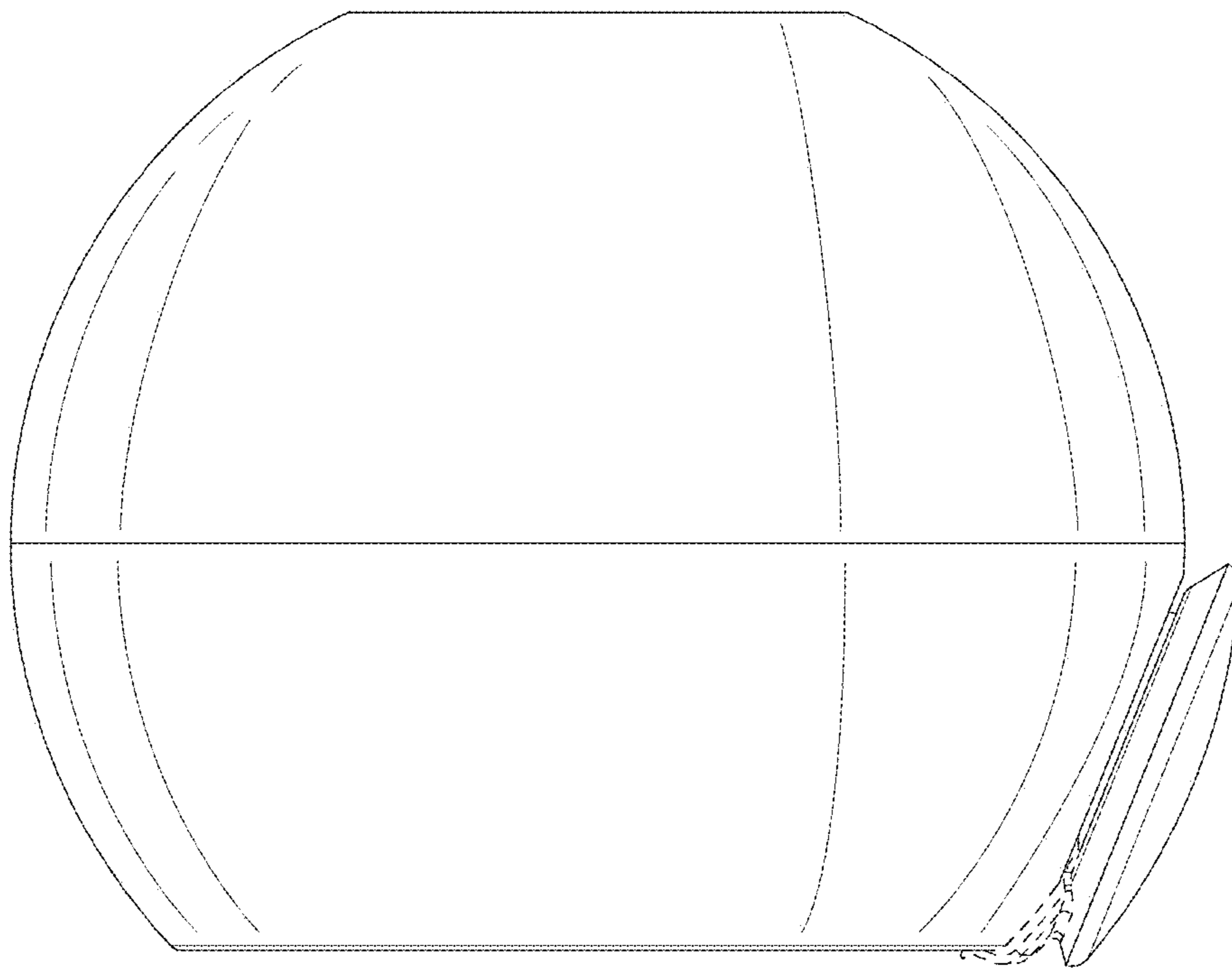


FIG. 5

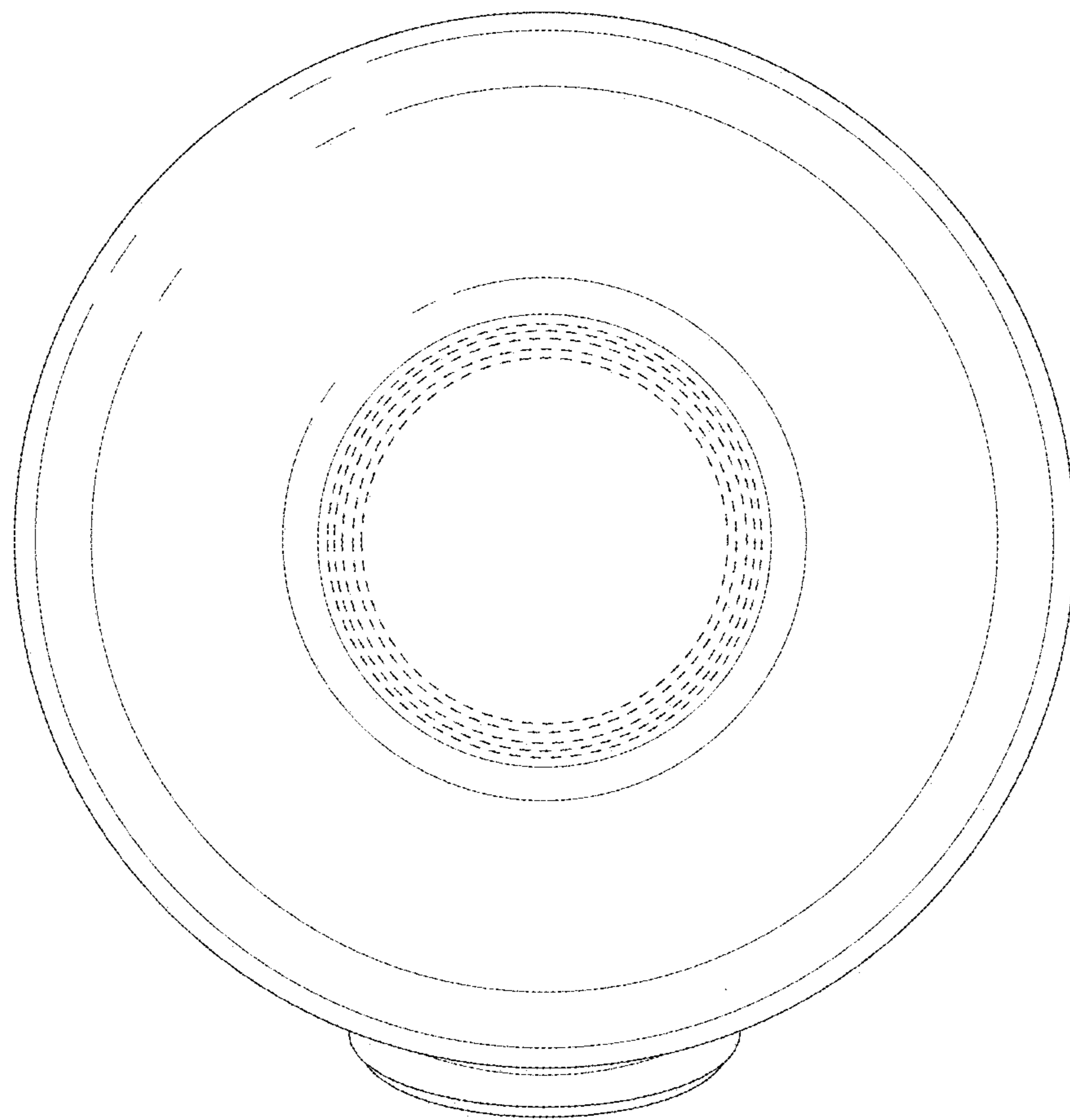


FIG. 6

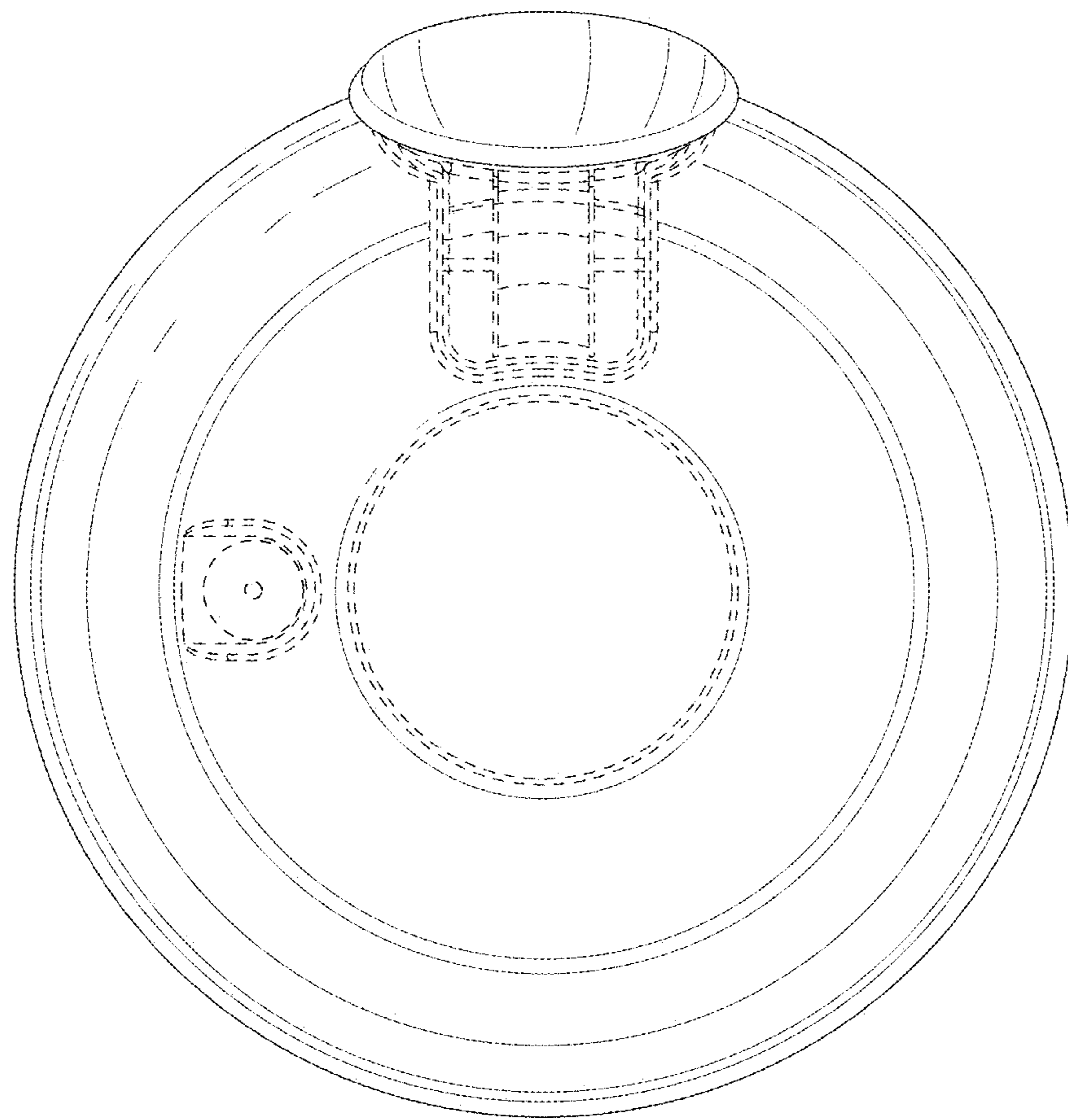


FIG. 7