



US00D771303S

(12) **United States Design Patent**
Ross et al.

(10) **Patent No.:** **US D771,303 S**
(45) **Date of Patent:** **** Nov. 8, 2016**

- (54) **ILLUMINATION DIFFUSER**
- (71) Applicant: **Big Trike Inc.**, Lebanon, NH (US)
- (72) Inventors: **Elizabeth Ross**, Windsor, VT (US);
David Westby, Windsor, VT (US)
- (73) Assignee: **BIG TRIKE INC.**, Lebanon, NH (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/541,420**
- (22) Filed: **Oct. 2, 2015**
- (51) **LOC (10) Cl.** **26-99**
- (52) **U.S. Cl.**
USPC **D26/118**
- (58) **Field of Classification Search**
USPC D26/2, 28, 60, 72, 89, 104, 113, 118,
D26/119, 120, 122, 124, 128, 138, 142, 143,
D26/145; D13/179, 180, 102, 103, 107, 108
CPC F41C 27/00; F41C 33/0254; G02B 5/045;
G02B 5/189; F21S 8/00; F21S 8/03; F21S
8/026; F21S 8/02; F21S 8/003; F21S 8/043;
F21S 8/06; F21S 8/04; F21V 7/005; F21V
15/01; F21V 15/04; F21V 25/00; F21V 3/02;
F21V 1/00; F21V 21/04; F21V 29/006;
G02F 2001/133607; F21Y 2103/00; F21Y
2101/02; H01L 2224/48137; F21K 9/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,020,557 A * 3/1912 Hunter A47F 3/005
312/107
- 1,406,645 A 2/1922 Heany
- D65,124 S * 7/1924 Look D7/308
- 1,535,408 A * 4/1925 Fricke G09F 27/00
362/812
- 1,545,711 A 7/1925 Townsend
- 1,730,632 A * 10/1929 Shoenberg G09F 13/00
362/231
- 1,803,571 A * 5/1931 Ulman A01K 63/06
119/267

- D96,763 S * 9/1935 Kennedy D26/104
- 2,063,504 A * 12/1936 Horwitt F21V 1/00
362/320
- 2,075,364 A * 3/1937 Smith F21L 14/00
200/51.02
- 2,217,877 A 10/1940 Petry
- 2,551,029 A 5/1951 MacKay
- 2,551,954 A 5/1951 Lehman
- 3,009,053 A 11/1961 Shaw
- 3,059,373 A 10/1962 Gardner
- 3,106,318 A * 10/1963 Cook B67B 7/26
222/484
- 3,109,252 A * 11/1963 Schellenberg B65D 81/36
229/103
- D204,899 S * 5/1966 Currey D26/105
- 3,358,133 A 12/1967 Thoman et al.

(Continued)

OTHER PUBLICATIONS

LED Cube Night Light, image post date 2000, site visited Dec. 10, 2015, (online), <<http://www.instructables.com/id/LED-Cube-Night-Light/>>.*

(Continued)

Primary Examiner — Kevin Rudzinski
Assistant Examiner — Sean D Lough
(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

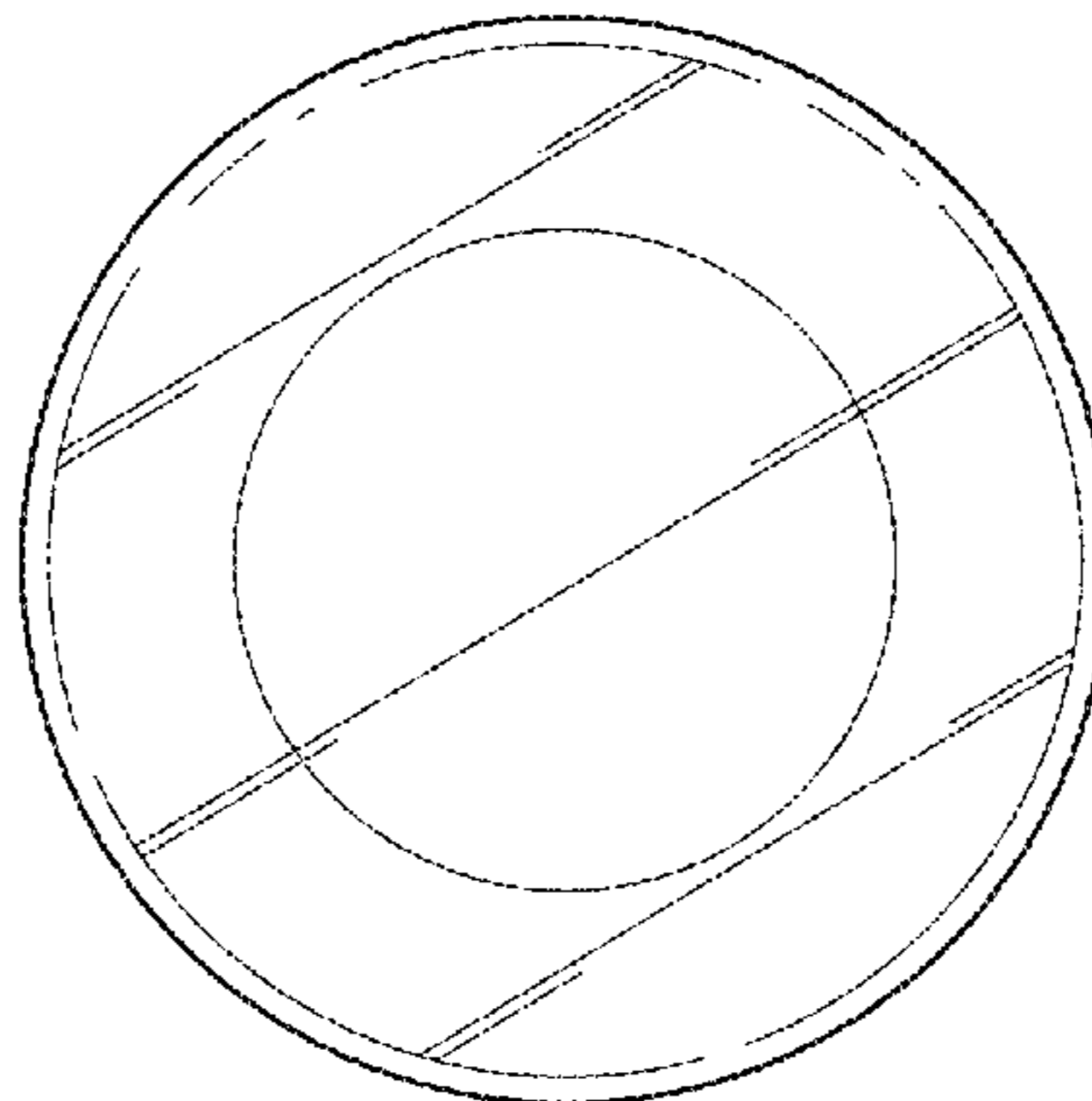
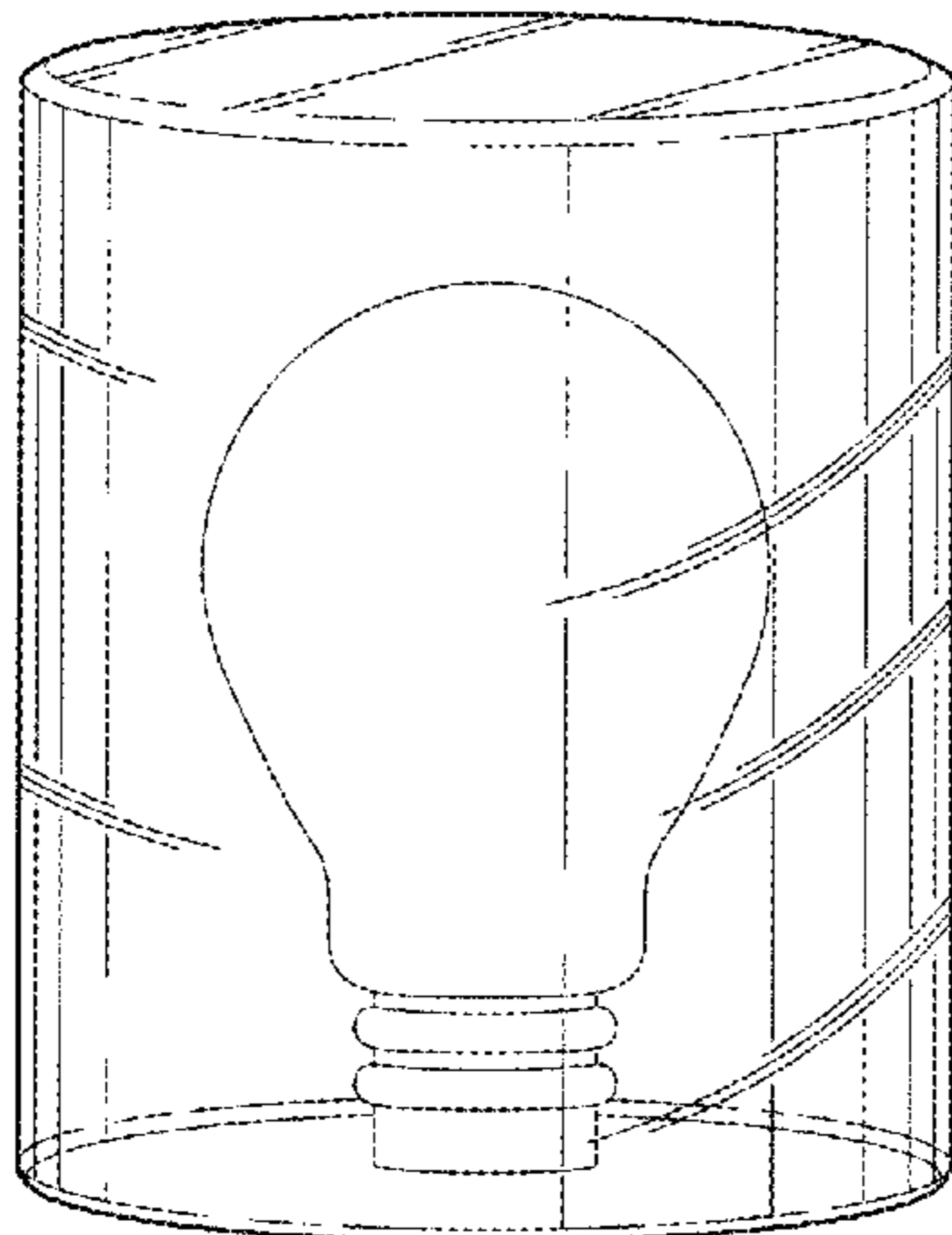
(57) **CLAIM**

The ornamental design for an illumination diffuser, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an illumination diffuser; FIG. 2 is a front side elevation view thereof with the rear side elevation view being a mirror image of the front side elevation view; FIG. 3 is a left side elevation view thereof with the right side elevation view being a mirror image of the left side elevation view; FIG. 4 is a top plan view thereof; and, FIG. 5 is a bottom plan view thereof.

1 Claim, 2 Drawing Sheets



(56)	References Cited				
	U.S. PATENT DOCUMENTS				
D214,186	S *	5/1969	Meltzer	D26/118	
3,610,918	A *	10/1971	Barlow	F21S 10/00 362/232	
3,658,413	A *	4/1972	Cornell	G02B 27/022 40/720	
D225,259	S *	11/1972	Skupien	D26/73	
3,840,732	A	10/1974	Cohen		
D244,875	S *	6/1977	Baca	D26/105	
4,079,245	A *	3/1978	Baker	F21S 8/06 362/355	
4,121,279	A *	10/1978	Whitesel	F21S 2/005 362/297	
4,211,959	A	7/1980	Deavenport et al.		
D259,514	S *	6/1981	Welch	D26/26	
D263,084	S	2/1982	Suzuki		
D265,001	S *	6/1982	Graham	D26/104	
4,400,766	A *	8/1983	Munson	F21S 8/02 362/294	
D271,046	S *	10/1983	Perkins	D26/104	
D280,238	S	8/1985	Hermanson		
4,553,680	A *	11/1985	Griggs	A47F 3/005 220/4.33	
4,617,614	A *	10/1986	Lederer	F21S 6/001 362/212	
D291,012	S *	7/1987	Liljeqvist	D26/104	
4,754,377	A *	6/1988	Wenman	F21S 8/02 362/148	
D299,557	S *	1/1989	Porcelli	D26/106	
D300,669	S *	4/1989	Russello	D26/24	
D307,638	S *	5/1990	Perkins	D26/104	
D309,787	S *	8/1990	Chien	D26/67	
D316,152	S *	4/1991	Barbuto	D26/11	
D316,459	S *	4/1991	Kira	D26/104	
D318,131	S *	7/1991	Bonander	D26/104	
D318,681	S *	7/1991	Savage	D17/24	
5,068,772	A *	11/1991	Shapiro	F21V 21/04 248/343	
5,125,726	A *	6/1992	Hahn	A47F 3/12 312/114	
D328,503	S *	8/1992	Masahara	D26/104	
D328,651	S *	8/1992	Leonard	D11/131	
D328,799	S *	8/1992	Leonard	D11/131	
D328,956	S *	8/1992	Leonard	D11/131	
D329,301	S *	9/1992	Leonard	D11/131	
D336,244	S	6/1993	Arai		
D346,869	S	5/1994	Houssian		
5,372,269	A *	12/1994	Sutton	B65D 3/04 220/4.09	
D354,146	S	1/1995	Chamberlain et al.		
D361,071	S *	8/1995	Mark	D14/211	
5,558,416	A *	9/1996	Dumitru	A47F 3/12 16/82	
D377,229	S *	1/1997	Shalvi	D26/104	
D377,402	S *	1/1997	Perkins	D26/135	
5,597,234	A *	1/1997	Winkelhake	F21S 8/02 362/364	
5,622,424	A	4/1997	Brady		
5,676,446	A *	10/1997	Gold	G02B 6/4298 362/263	
D389,267	S *	1/1998	Sutton	D11/131	
D392,407	S *	3/1998	Johnson	D26/104	
D396,316	S	7/1998	Wang		
D397,489	S	8/1998	Alexander		
D398,066	S *	9/1998	Noel	D26/56	
D399,330	S *	10/1998	Geier	D26/88	
D400,289	S	10/1998	Wardenburg		
D402,391	S *	12/1998	Manarin	D26/110	
5,860,724	A *	1/1999	Cheng	F21K 2/06 206/219	
D421,313	S *	2/2000	Bowker	D26/24	
D426,668	S	6/2000	Hollinger		
6,186,637	B1 *	2/2001	Murrietta	A61J 9/00 362/101	
D449,525	S *	10/2001	Sturgess	D9/432	
6,336,735	B1 *	1/2002	Eddins	F21S 10/04 362/154	
D465,874	S	11/2002	Garvin		
D469,913	S *	2/2003	Stephens	D26/104	
D472,009	S *	3/2003	Eisenberg	D26/96	
6,550,936	B2 *	4/2003	Foley	F21V 37/0075 362/154	
D482,158	S	11/2003	Velikov et al.		
D485,003	S *	1/2004	Olson	D26/104	
D485,004	S *	1/2004	Olson	D26/104	
D487,524	S *	3/2004	Lin	D26/51	
D488,249	S *	4/2004	Opolka	D26/110	
D488,581	S *	4/2004	Shieh	D26/94	
6,729,748	B2 *	5/2004	Reilly	F21S 6/001 313/315	
D490,616	S *	6/2004	Ljahnicky	D6/329	
D492,799	S *	7/2004	Friedman	D26/26	
D494,309	S	8/2004	Becker		
D495,819	S *	9/2004	Krieger	D26/104	
D498,502	S *	11/2004	Duke	D20/10	
D500,571	S	1/2005	Burke et al.		
D501,059	S *	1/2005	Curtin	D26/118	
D506,025	S	6/2005	Chen		
D507,374	S *	7/2005	Chen	D26/104	
D512,661	S	12/2005	Morris et al.		
7,016,802	B2 *	3/2006	Flaherty	G01J 1/02 702/117	
D518,408	S	4/2006	Harrity et al.		
D518,857	S *	4/2006	Miller	D20/29	
D537,201	S *	2/2007	McLeish	D28/8.1	
D540,961	S	4/2007	Hrubowchak et al.		
D541,461	S *	4/2007	Flaherty	D26/67	
D552,633	S *	10/2007	Volkan	D11/157	
D556,077	S *	11/2007	O'Neill	D10/120	
D564,258	S *	3/2008	Palmer	D6/675	
D564,693	S *	3/2008	Ziliani	D26/85	
D566,882	S *	4/2008	Min	D26/90	
D567,401	S *	4/2008	Mason, II	D26/24	
D570,035	S *	5/2008	Franklin	D26/137	
D572,581	S *	7/2008	Steele, IV	D9/517	
7,401,935	B2	7/2008	VanderSchit		
D575,183	S *	8/2008	Seitz	D10/111	
D575,899	S *	8/2008	Meeker	D26/128	
D576,752	S	9/2008	Kubicek et al.		
D576,759	S	9/2008	Meeker et al.		
D581,091	S	11/2008	Hofer		
D581,568	S *	11/2008	Bertken	D26/38	
D583,492	S *	12/2008	Jen	D26/40	
D583,976	S *	12/2008	Horn	D26/72	
7,476,002	B2 *	1/2009	Wolf	A01M 1/2083 362/231	
D589,203	S *	3/2009	Sabernig	D26/104	
D591,895	S *	5/2009	Sabernig	D26/105	
D592,784	S *	5/2009	van den Dool	D26/75	
D596,074	S *	7/2009	Bodum	D11/155	
D600,396	S *	9/2009	Luinstra	D26/104	
D601,294	S *	9/2009	Leon	D26/94	
D603,546	S *	11/2009	Kay	D26/65	
D605,976	S *	12/2009	Beier	D11/184	
D608,840	S *	1/2010	Crutchfield	D21/373	
D609,562	S *	2/2010	Zimmermann	D9/432	
D611,726	S *	3/2010	DeVelde	D6/661	
D612,093	S *	3/2010	Espiau	D26/105	
D612,976	S	3/2010	Meeker		
D617,480	S *	6/2010	DeBrunner	D26/40	
D622,959	S *	9/2010	Zalewski	D3/273	
D623,780	S	9/2010	Seum et al.		
D626,280	S *	10/2010	Feigenbaum	D26/104	
D629,153	S	12/2010	Chen		
D638,112	S	5/2011	Hisey et al.		
D639,494	S *	6/2011	Schrimmer	D26/104	
D639,702	S *	6/2011	Jean-Denis	D11/131	
D643,567	S *	8/2011	Gutting	D26/88	
D643,969	S *	8/2011	Abate	D26/118	
8,031,910	B2 *	10/2011	Jones	G01N 15/1475 382/110	
D648,888	S	11/2011	Spoth		
D650,121	S *	12/2011	Volkan	D26/125	
D656,598	S *	3/2012	Motyliniski	D23/366	

(56)

References Cited

U.S. PATENT DOCUMENTS

D656,666 S * 3/2012 McGregor D26/154
 8,162,140 B2 * 4/2012 Hansen A61B 10/0096
 206/438
 D659,281 S * 5/2012 Patkus D26/137
 D660,492 S * 5/2012 Williams D26/68
 D661,009 S 5/2012 Bennett et al.
 D661,832 S * 6/2012 Williams D26/68
 D663,471 S 7/2012 Bennett et al.
 D664,277 S * 7/2012 Reo D26/68
 D664,471 S * 7/2012 Fernandez D11/131
 D669,289 S * 10/2012 Rogers D6/552
 D670,646 S * 11/2012 Canova D13/104
 D674,129 S 1/2013 Johnston
 8,360,589 B2 * 1/2013 Friedson F21K 2/06
 362/101
 8,382,309 B1 * 2/2013 Johnston A45C 15/06
 362/156
 D689,180 S 9/2013 Furner
 D713,286 S * 9/2014 Malaspina D11/157
 D713,819 S 9/2014 Millen
 8,833,954 B2 * 9/2014 Griffin F21L 4/00
 362/34
 8,841,864 B2 * 9/2014 Maxik H05B 33/0863
 315/294
 8,853,712 B2 * 10/2014 Hussell F21V 3/00
 257/80
 D717,973 S * 11/2014 Sherman D26/2
 D720,492 S * 12/2014 Gatchel D26/104
 8,915,607 B2 * 12/2014 Yang F21V 31/04
 362/101
 D721,446 S 1/2015 Carroll et al.
 8,931,192 B2 * 1/2015 Acworth F21S 6/002
 362/351
 D723,766 S * 3/2015 Kamakura D1/127
 D725,047 S * 3/2015 Wai D13/158
 D728,089 S 4/2015 Crisa'
 D728,836 S * 5/2015 Metlen D26/41
 D729,739 S 5/2015 Paolo
 9,028,113 B1 5/2015 Giliberti
 D731,211 S * 6/2015 Denby D6/672
 D733,279 S 6/2015 Furner
 D739,054 S * 9/2015 Carroll D26/2
 D739,978 S * 9/2015 Oliveras D26/118
 D742,593 S * 11/2015 Corey D28/83
 D743,613 S * 11/2015 Bonadonna D26/105
 9,194,563 B2 * 11/2015 Snyder F21S 9/037
 9,222,655 B2 * 12/2015 Radermacher F21S 2/005
 9,234,635 B2 * 1/2016 Kwisthout F21K 9/52

2002/0080604 A1 * 6/2002 Niermann F21S 6/00
 362/173
 2002/0174578 A1 11/2002 Ross
 2003/0057809 A1 * 3/2003 House, II A47F 3/005
 312/114
 2004/0094437 A1 5/2004 Dailey
 2005/0168114 A1 8/2005 Zinn
 2008/0273319 A1 * 11/2008 VanderSchuit A47G 19/2222
 362/101
 2009/0212698 A1 * 8/2009 Bailey F21K 9/52
 313/512
 2009/0251882 A1 * 10/2009 Ratcliffe F21K 9/135
 362/84
 2011/0103053 A1 * 5/2011 Chen F21V 5/002
 362/235
 2012/0257395 A1 * 10/2012 Cotzias F21V 17/06
 362/351
 2013/0070446 A1 * 3/2013 Chen F21L 4/02
 362/183
 2013/0128567 A1 * 5/2013 Lee F21K 9/175
 362/217.02
 2014/0000139 A1 * 1/2014 Wieland A47G 1/0616
 40/715
 2016/0076716 A1 * 3/2016 Ho F21S 10/002
 362/101

OTHER PUBLICATIONS

Night Light Glow Brick—TinEye, image post date Feb. 7, 2008, site visited Dec. 10, 2015, (online), <<https://www.tineye.com/search/f2f68ac8af9326b21b541ceb1f757e57e096fcb6/>>.*
 LED Candle Light Lamp—TinEye, image post date Nov. 26, 2014, site visited Dec. 10, 2015, (online), <<https://www.tineye.com/search/4ce308def8cdf5da3e0b8850f872ba738daf258/?pluginver=>>>.*
 Night Light Glow Brick, image post date Oct. 30, 2009, site visited Mar. 27, 2016, (online), <http://inventorspot.com/articles/glowinthedark_glow_bricks_30846>.*
 LED Candle Light, image post date 2014, site visited Apr. 11, 2016, (online), <<http://jmtty.jp/kanagawa/sale-fur/article-ymnl>>.*
 LED Candle Light You Can Actually Blow Out, image post date May 5, 2012, site visited Apr. 11, 2016, (online), <<http://inhabitat.com/product-review-we-test-out-the-led-candle-light-you-can-actually-blow-out/>>.*
 Standard Light Bulbs, image post date Aug. 19, 2010, site visited Apr. 11, 2016, (online), <<http://web.archive.org/web/20100819082853/http://1000bulbs.com/category/standard-shape-light-bulbs/>>.*
 Crystal Box Ceiling Light, image post date Dec. 17, 2013, site visited Nov. 17, 2015, (online), <<https://www.tineye.com/search/6fedd7f540adc0360011b962d3aa249811d37fdf/>>.

* cited by examiner

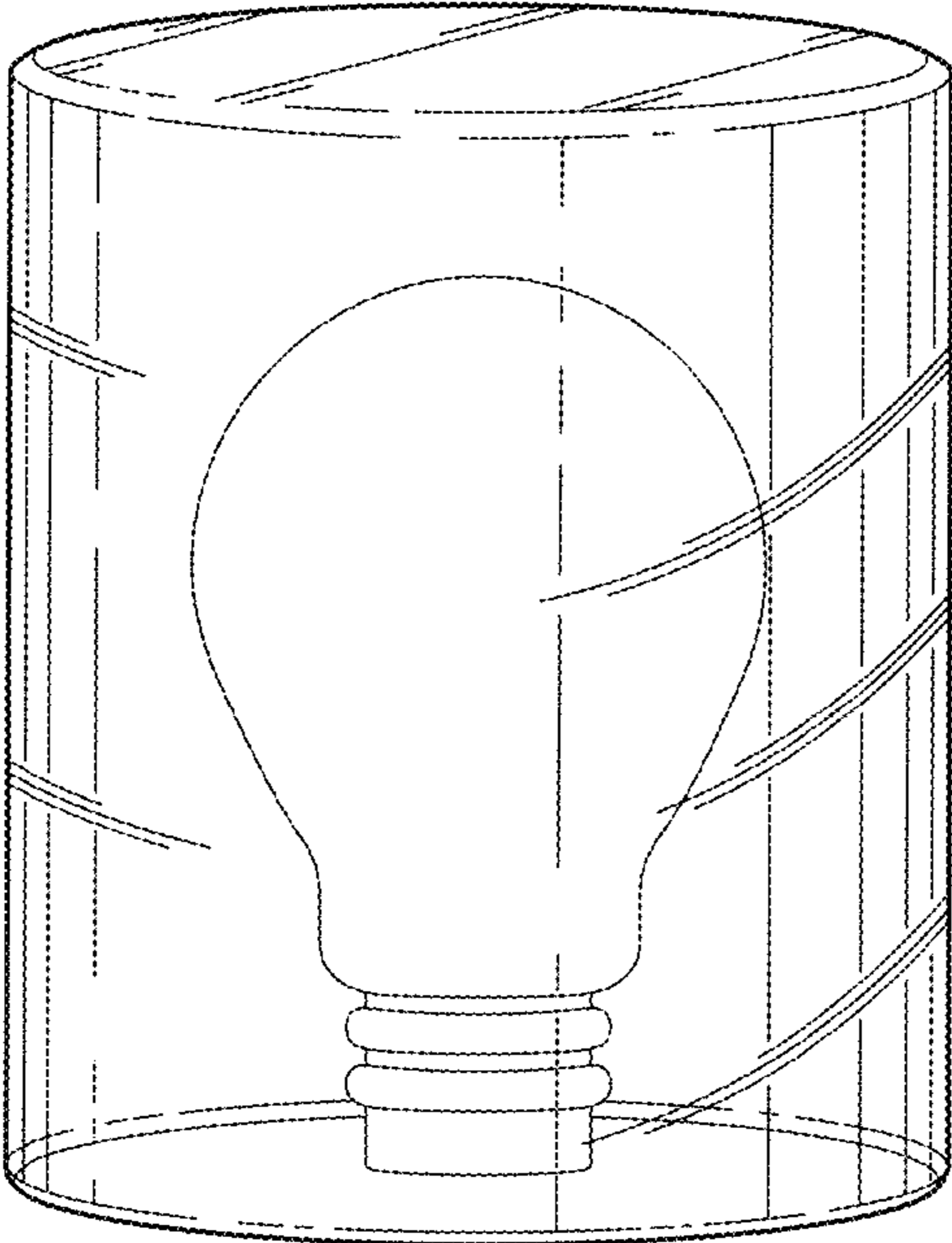


FIG. 1

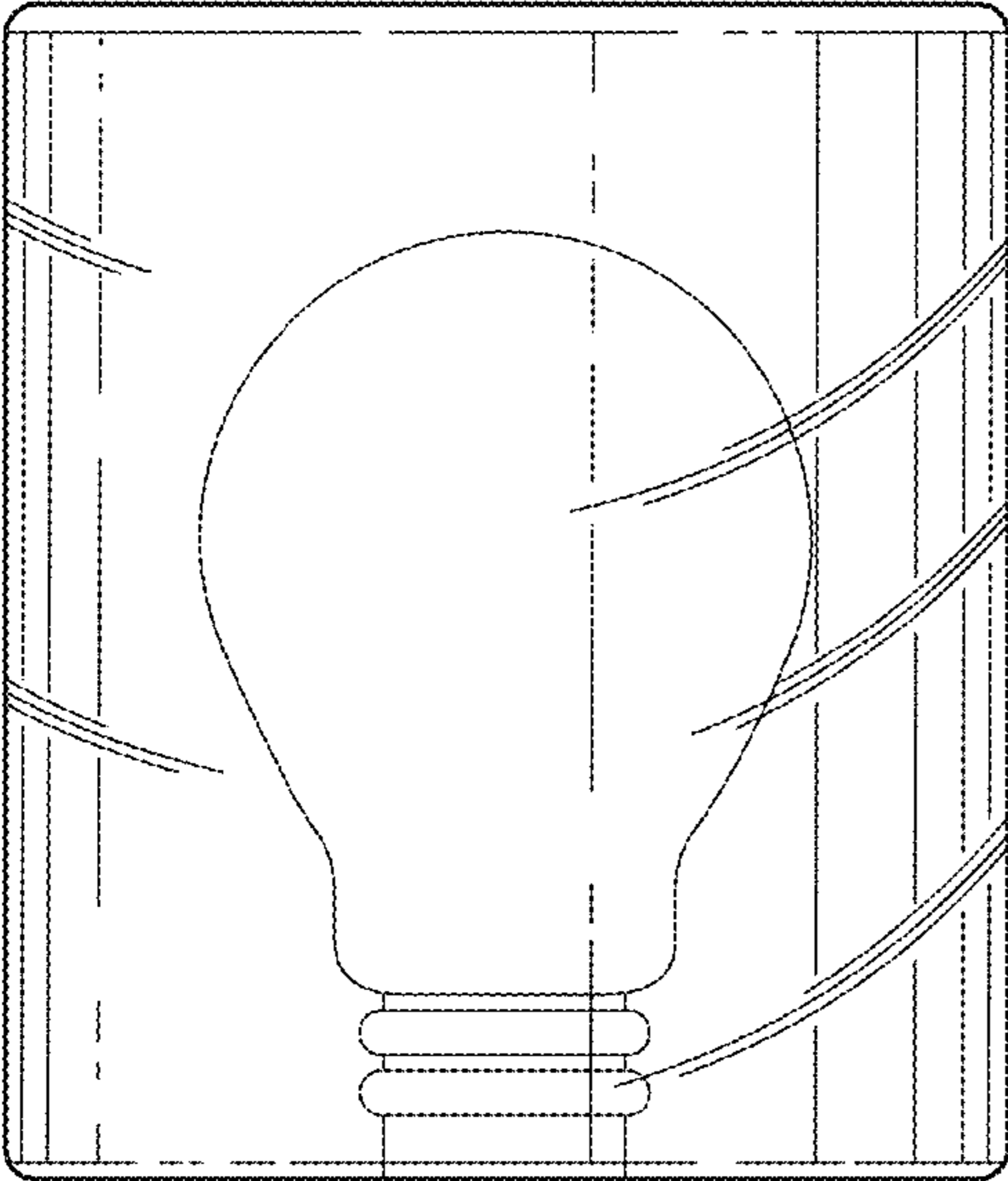


FIG. 2

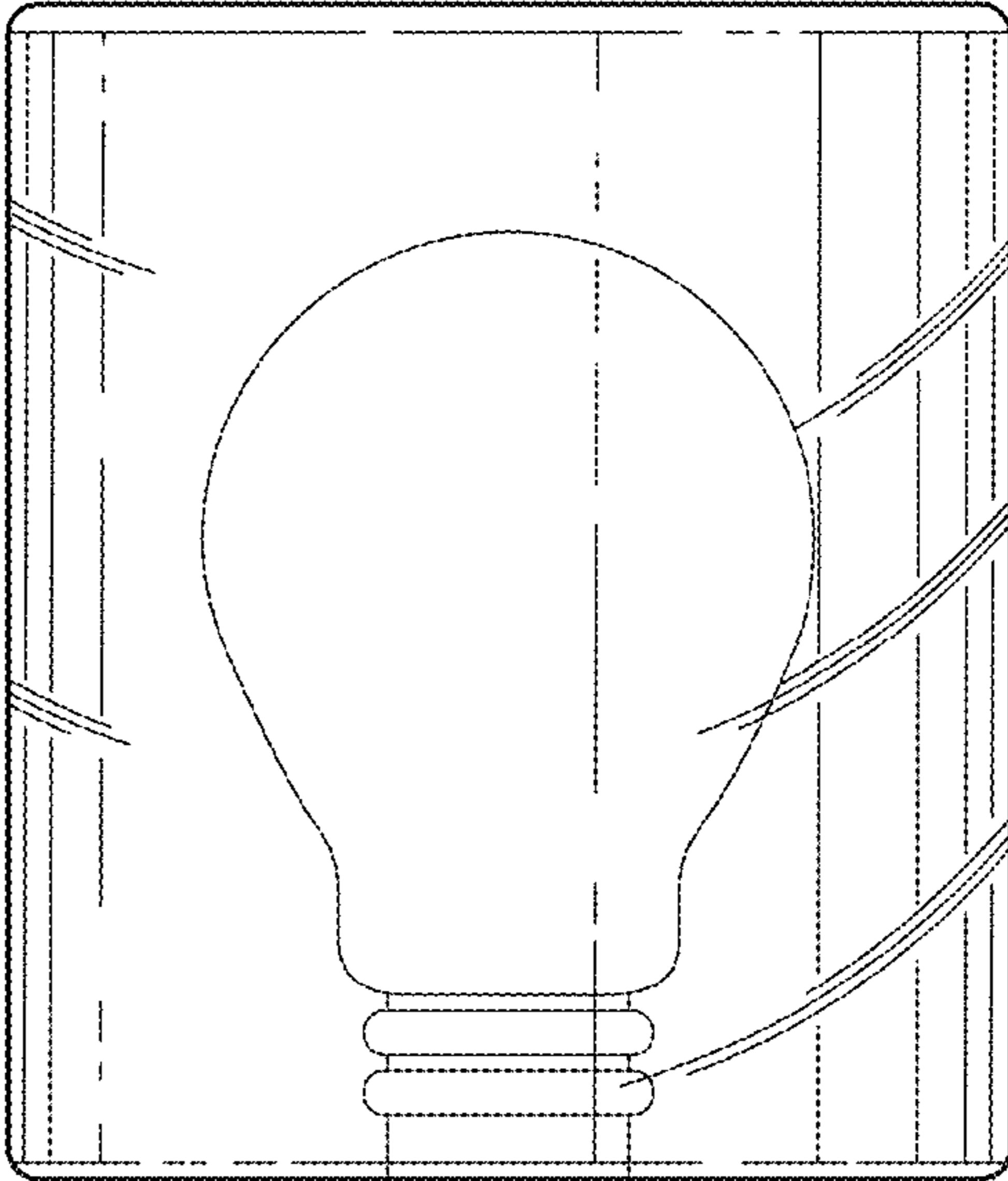


FIG. 3

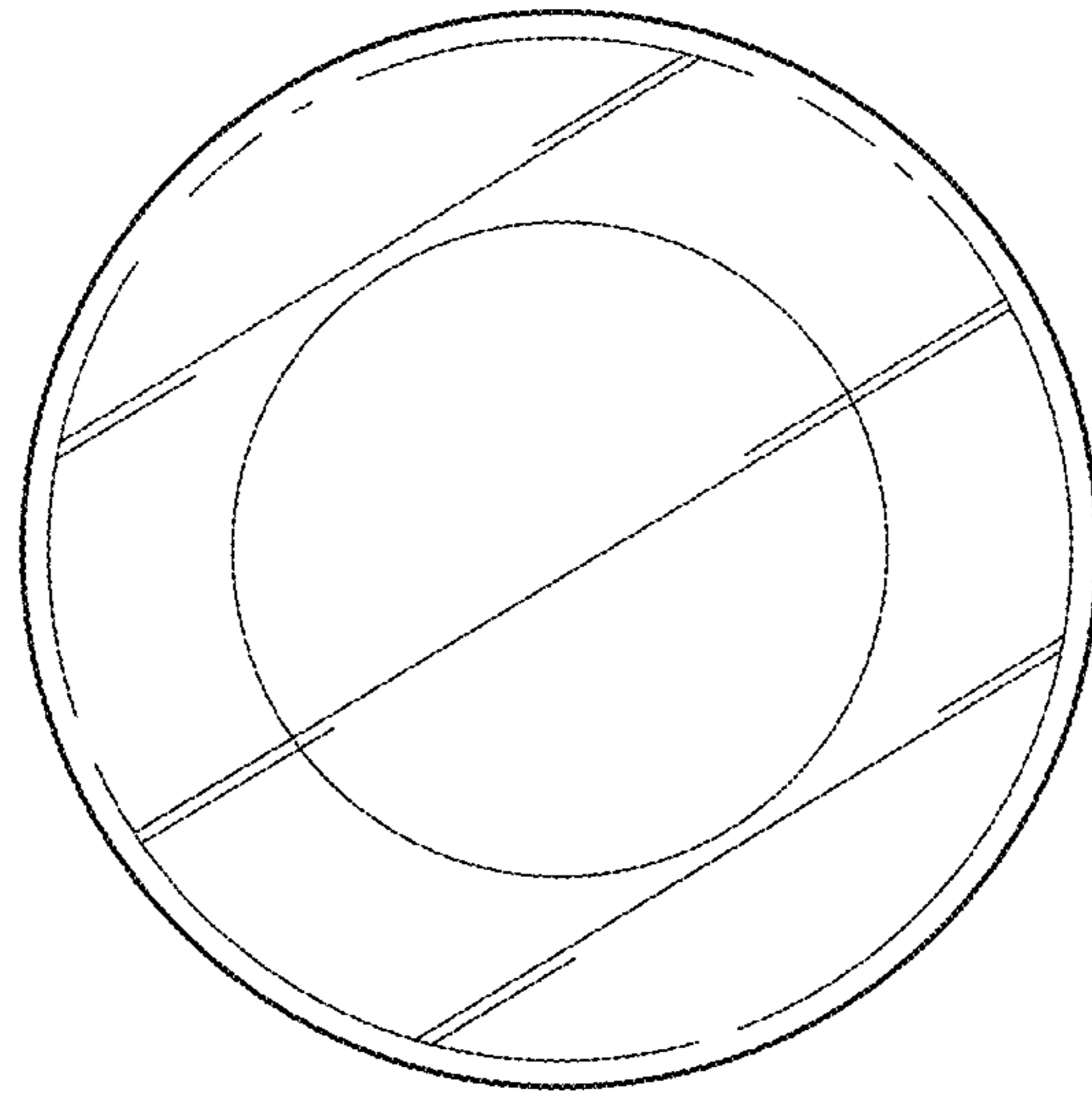


FIG.4

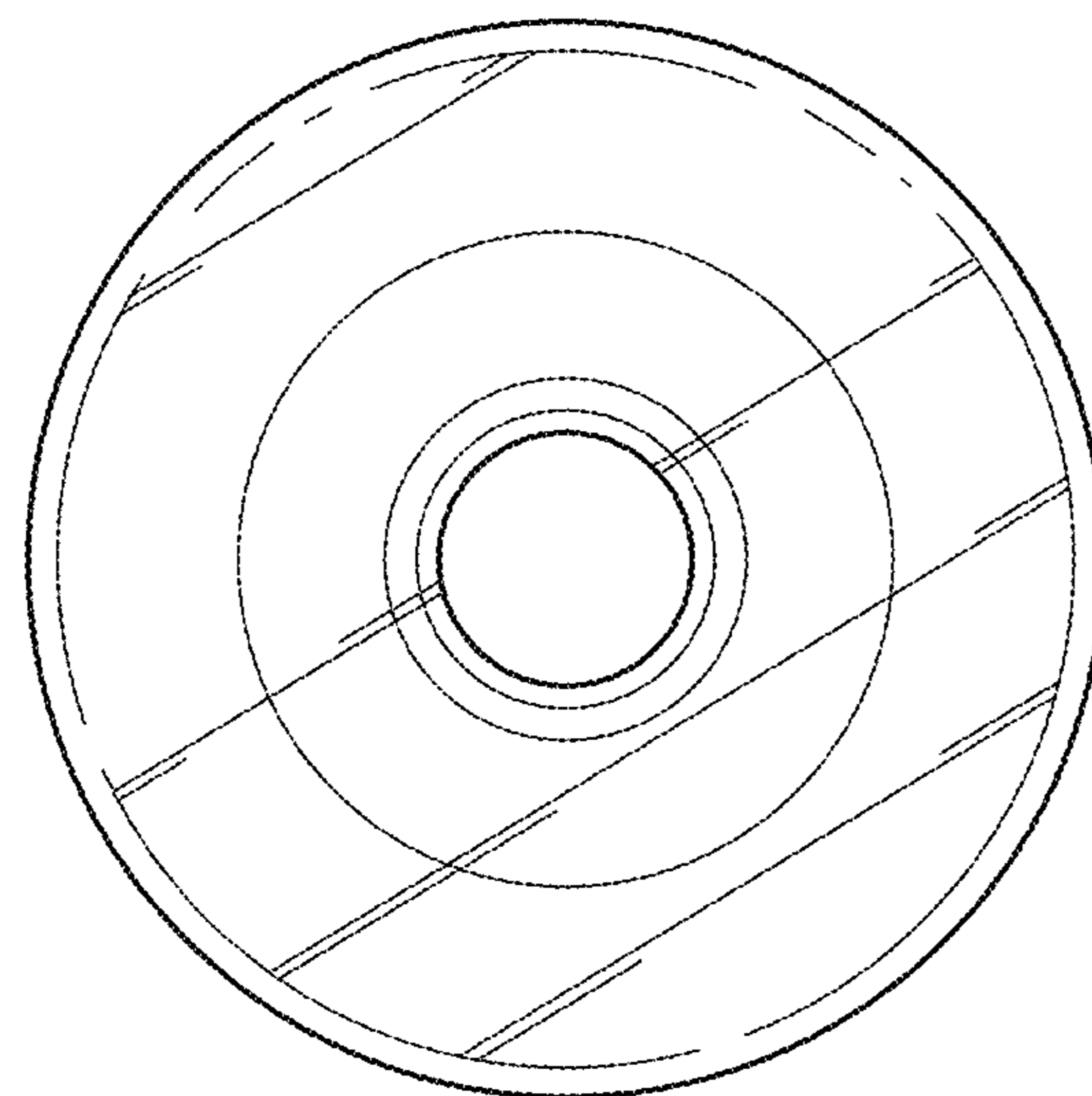


FIG.5