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

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- (54) **ILLUMINATION DIFFUSER**
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- (73) Assignee: **BIG TRIKE INC.**, Lebanon, NH (US)
- (**) Term: **15 Years**
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- (51) **LOC (10) Cl.** **26-99**
- (52) **U.S. Cl.**
USPC **D26/118**
- (58) **Field of Classification Search**
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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)

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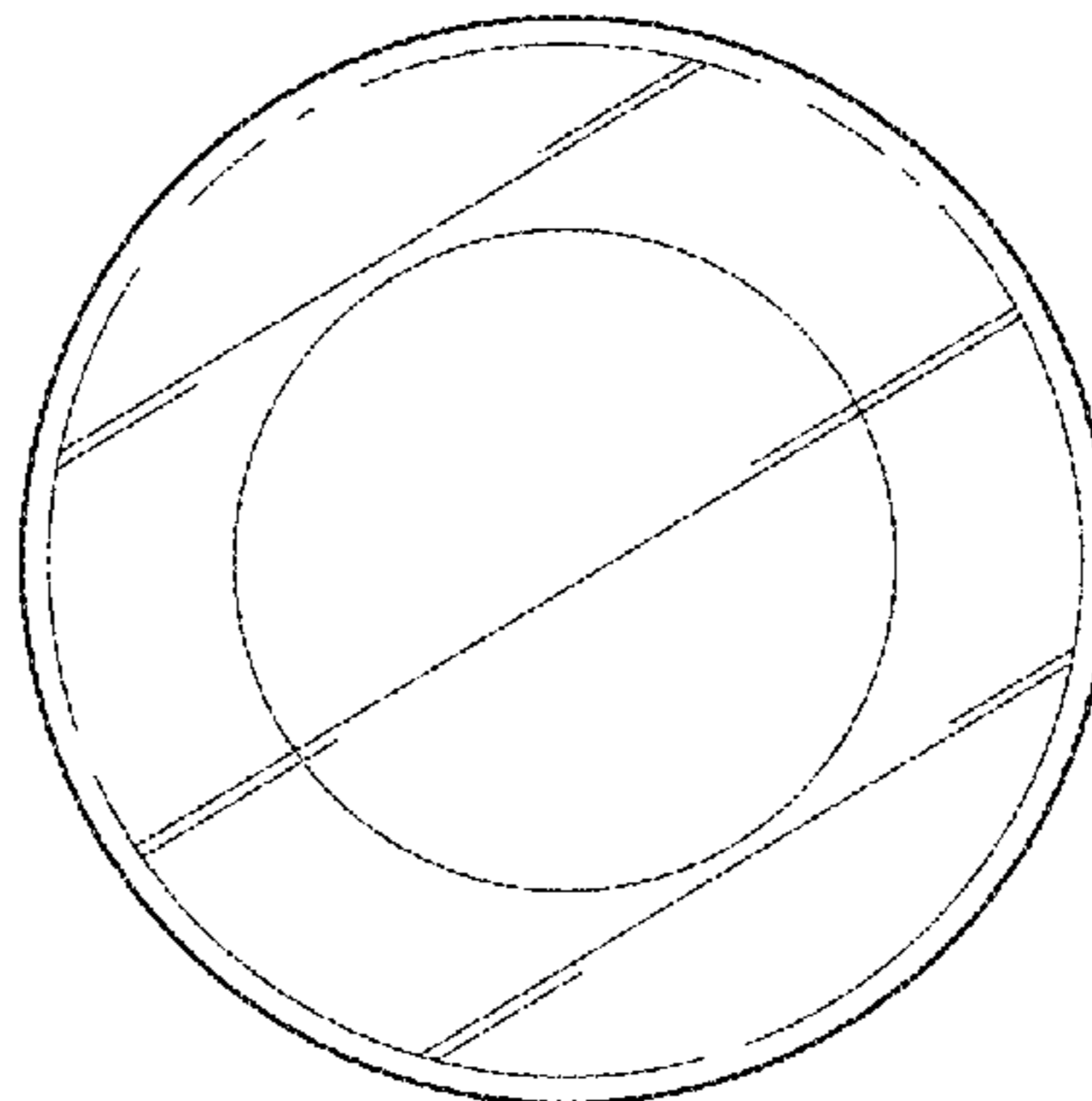
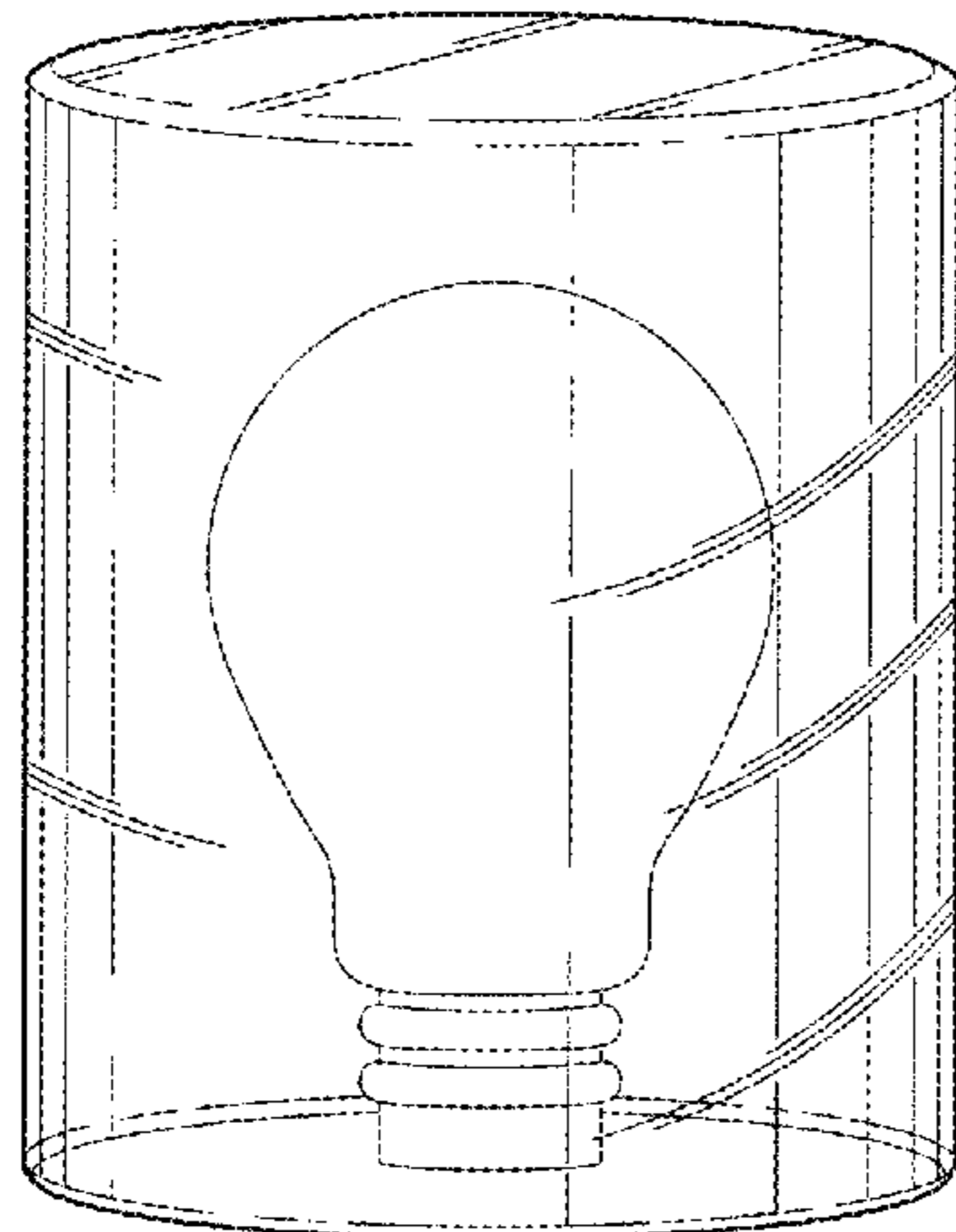
(57) **CLAIM**

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 Motylinski 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

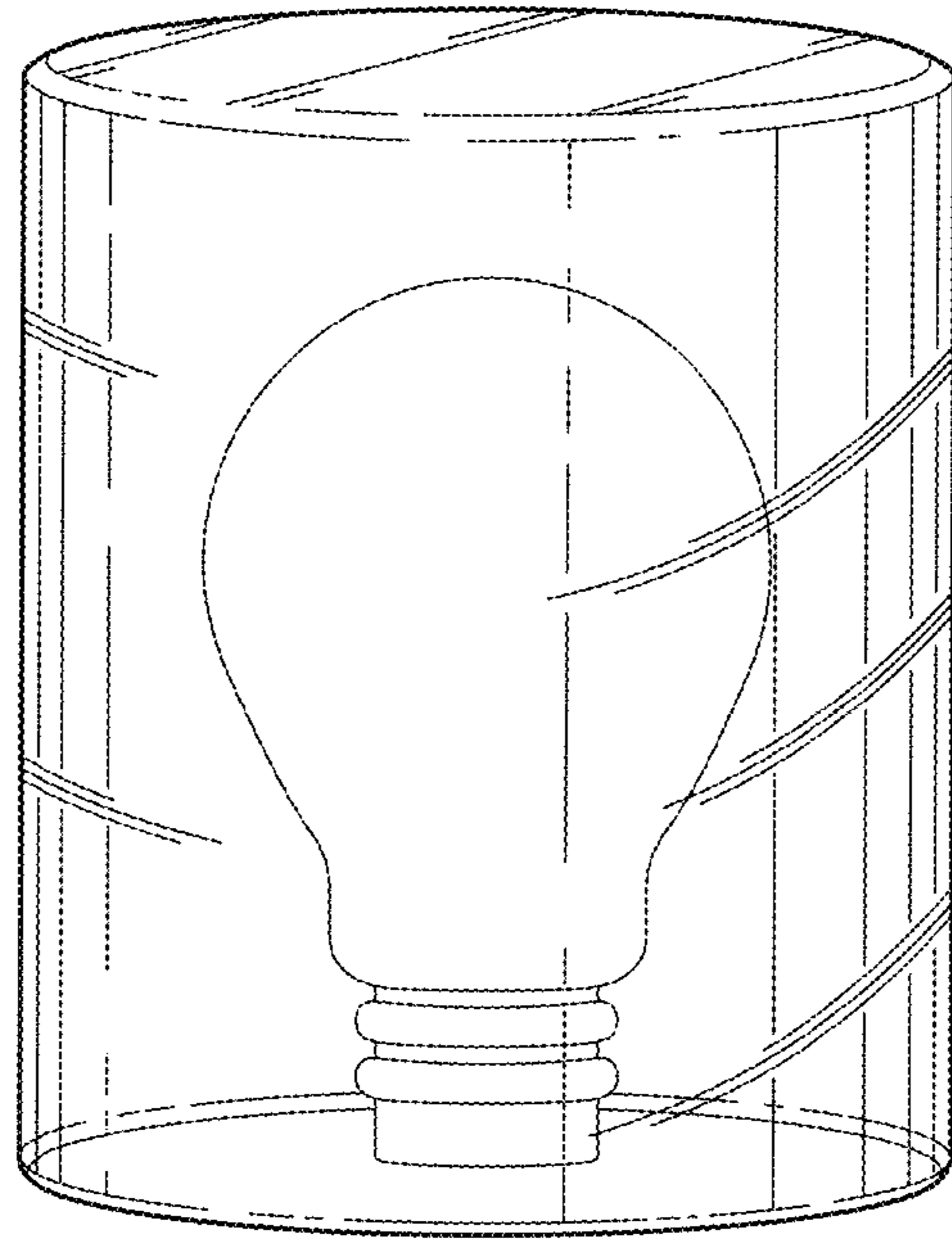


FIG. 1

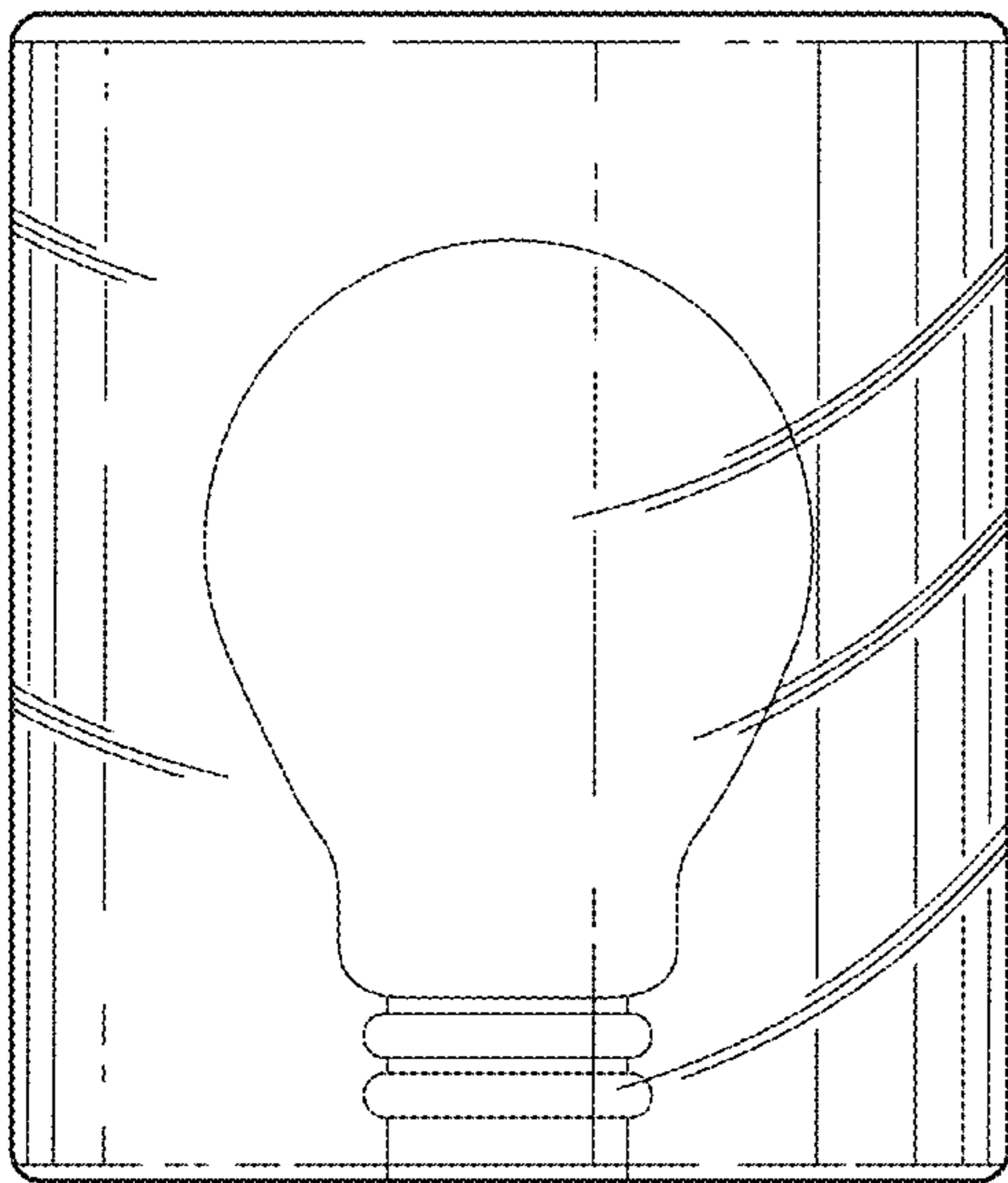


FIG. 2

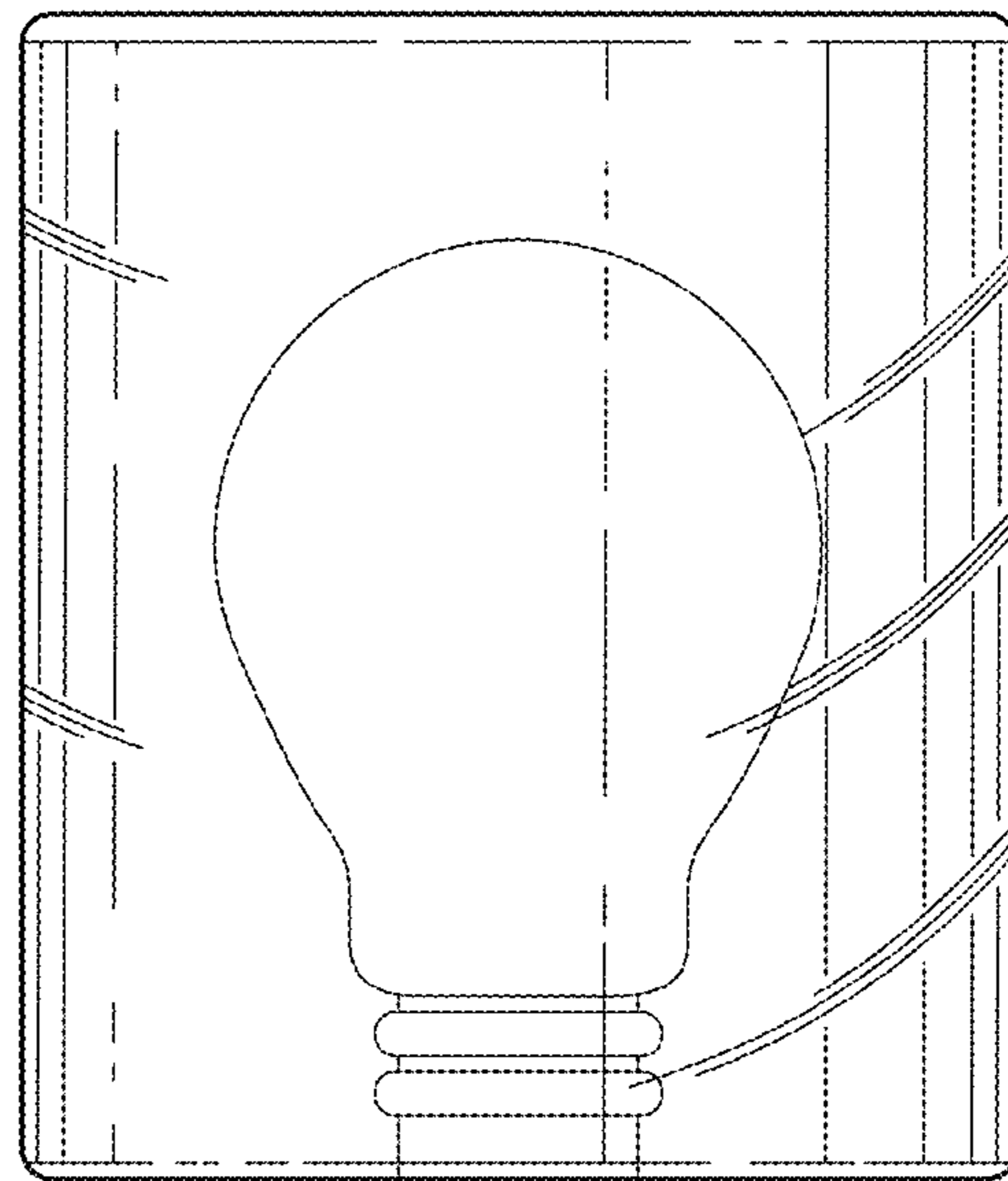


FIG. 3

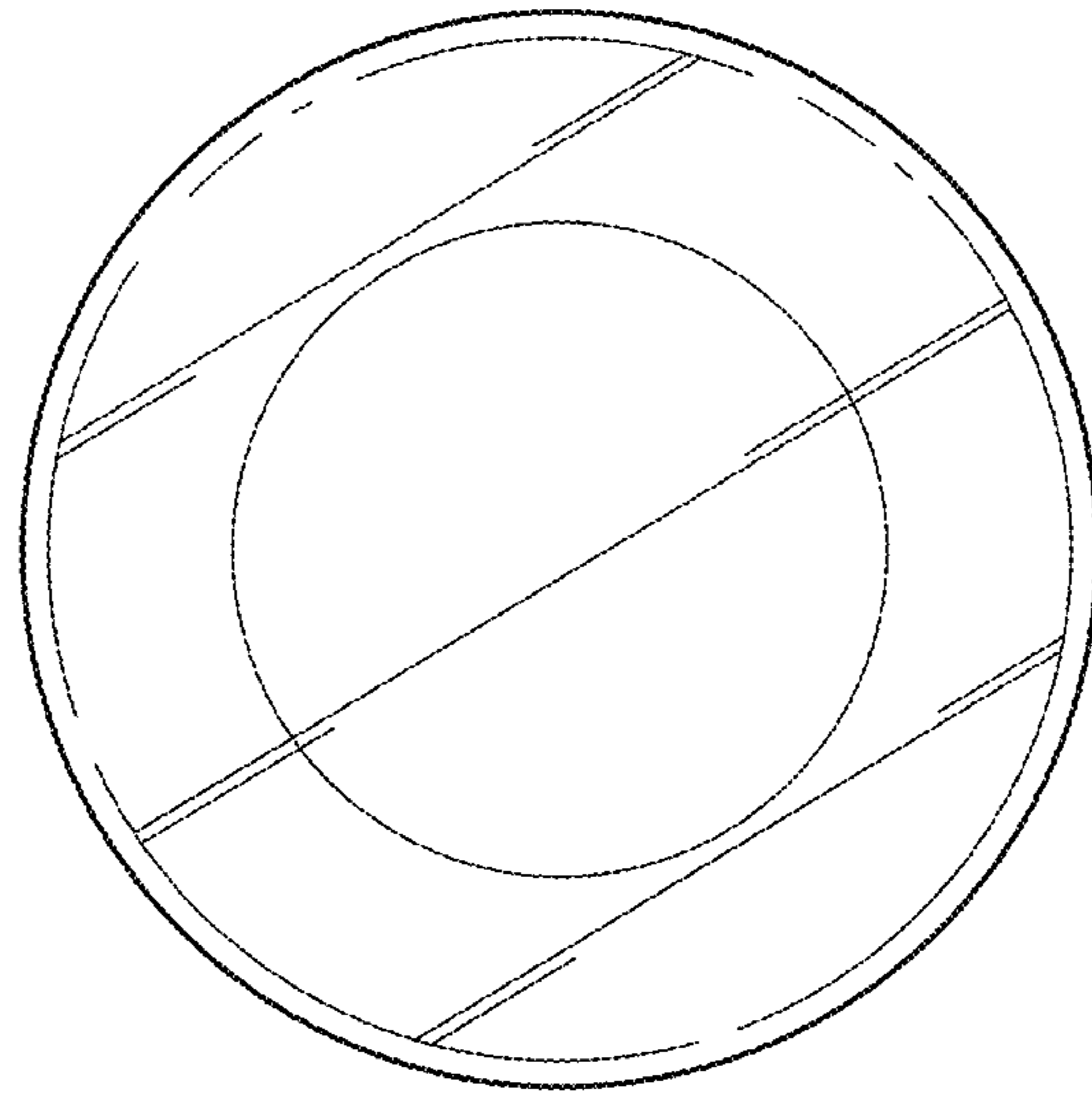


FIG.4

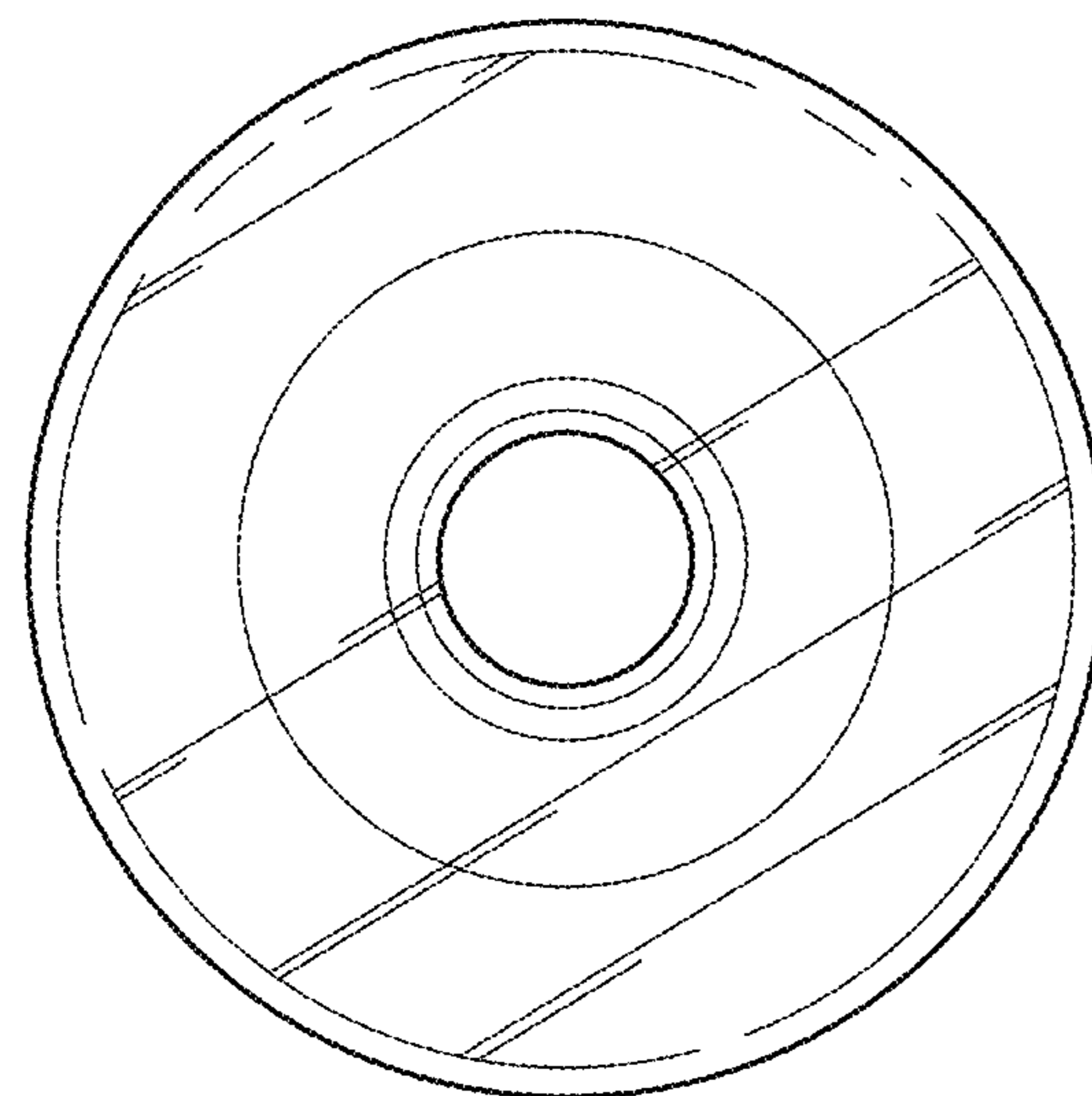


FIG.5