



US00D785675S

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

(10) **Patent No.:** **US D785,675 S**

(45) **Date of Patent:** **** May 2, 2017**

- (54) **FILTER DRIER**
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- (**) Term: **14 Years**
- (21) Appl. No.: **29/503,634**
- (22) Filed: **Sep. 29, 2014**
- (51) **LOC (10) Cl.** **15-01**
- (52) **U.S. Cl.**
USPC **D15/5**
- (58) **Field of Classification Search**
USPC D23/209, 207, 365; 210/299, 289, 446,
210/DIG. 6, 586; 96/134; D15/1-5
CPC F25B 43/00; F25B 43/003; B01D 17/00;
B01D 17/0202
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
153,535 A * 7/1874 Cable B01D 29/0027
210/317
D121,162 S * 6/1940 Horckitz D23/209
2,323,160 A * 6/1943 Stecher F25B 43/003
210/232
2,389,792 A * 11/1945 Lippincott F16J 3/02
138/30

- 2,390,319 A * 12/1945 Overbeke F15B 1/165
138/30
- 2,583,812 A * 1/1952 Briggs F25B 43/003
210/445
- 2,794,570 A * 6/1957 Downs B65D 90/046
220/4.25
- 3,002,870 A * 10/1961 Belgarde B01D 27/005
156/292
- 3,090,490 A * 5/1963 Yocum B01D 17/00
210/251
- D198,153 S * 5/1964 Baker et al. D23/209
- 3,170,872 A * 2/1965 Balogh B01D 35/02
210/266
- D212,090 S * 8/1968 Edmiston D23/209
- 3,507,395 A * 4/1970 Bentley A61M 1/3627
210/443
- 3,655,059 A * 4/1972 Johnson B01D 35/02
138/26
- D231,823 S * 6/1974 Sharp D23/207
- 3,815,752 A * 6/1974 Hoffman B01D 29/00
210/266

(Continued)

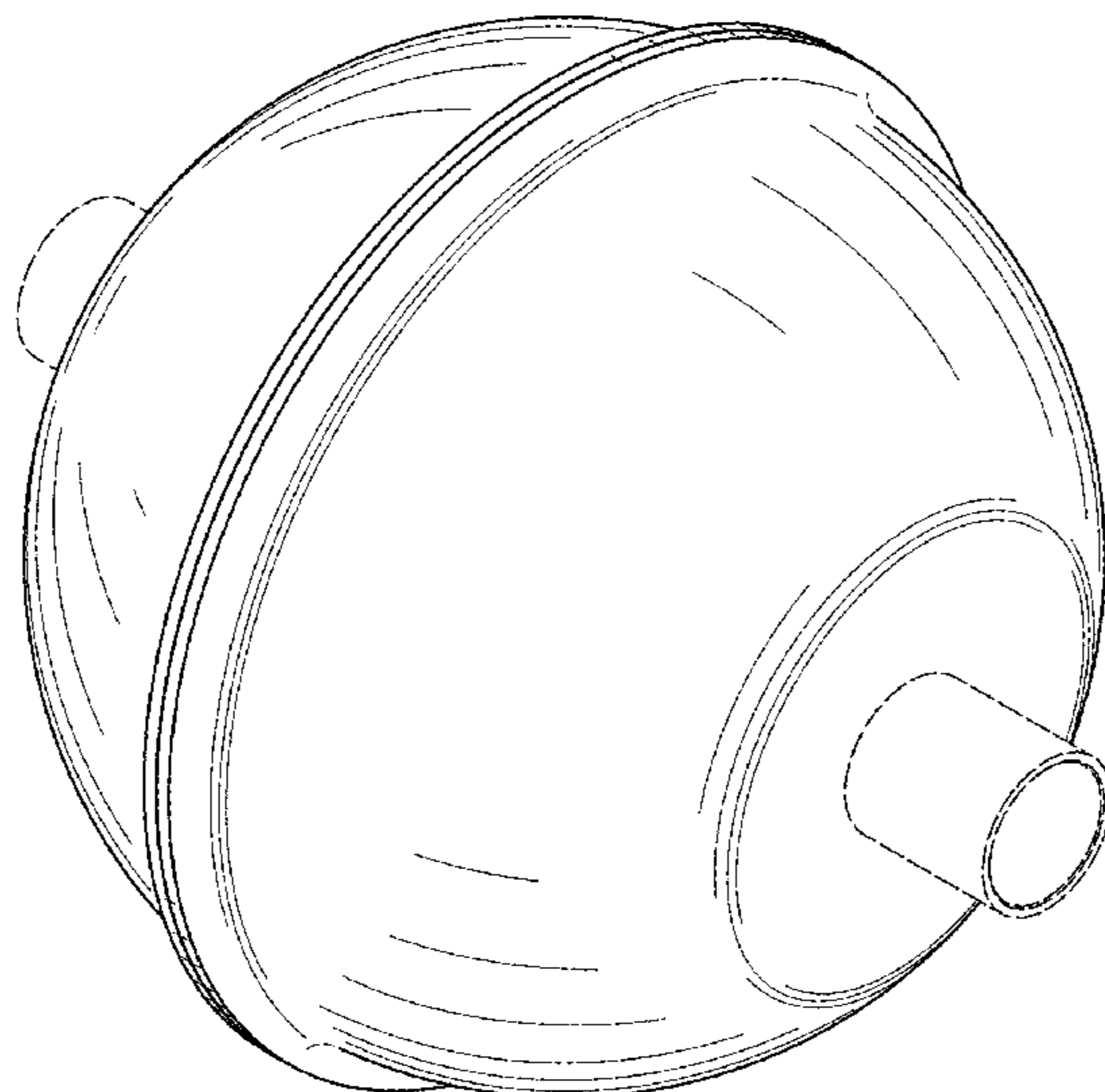
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(57) **CLAIM**
 The ornamental design for a filter drier, as shown and
 described.

DESCRIPTION

FIG. 1 is a perspective view of a filter drier showing our new
 design.
 FIG. 2 is a front view thereof, a rear view, a top view, and
 a bottom view appearing the same as the front view; and,
 FIG. 3 is a left side view thereof, a right side view being a
 mirror image of the left side view.
 In the drawings, the broken lines depict unclaimed subject
 matter only and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,941,573	A *	3/1976	Chapel	.....	A61M 16/009	6,059,859	A *	5/2000	Alvarez, Jr.	.....	B01D 53/28
					128/205.27						95/117
4,159,817	A *	7/1979	Ikawa	.....	B01J 19/30	6,171,492	B1 *	1/2001	Hedgepeth	.....	B01D 27/005
					210/150						210/243
4,181,235	A *	1/1980	Baysinger	.....	B65D 88/04	6,293,410	B1 *	9/2001	Forbes	.....	B01D 29/15
					114/74 A						210/446
4,388,196	A *	6/1983	Lucia	.....	B01D 35/147	6,568,100	B1 *	5/2003	Fielding	.....	B01D 53/0446
					210/149						34/109
4,428,841	A *	1/1984	Favret, Jr.	.....	B01D 19/0042	6,589,420	B1 *	7/2003	Mathew	.....	B01D 27/005
					210/170.01						210/243
4,436,623	A *	3/1984	Cullen	.....	B01D 15/00	7,160,361	B2 *	1/2007	Meiller	.....	B01D 53/02
					210/282						55/385.1
D273,977	S *	5/1984	Burrows	.....	D23/204	7,763,171	B2 *	7/2010	Beall	.....	B01D 61/025
4,496,378	A *	1/1985	Kish	.....	F25B 43/006						210/195.2
					55/391	9,249,931	B2 *	2/2016	Morales	.....	F17C 1/14
4,636,315	A *	1/1987	Allen, Jr.	.....	B01D 15/14	2003/0010725	A1 *	1/2003	Druga	.....	B01D 27/103
					210/198.2						210/767
4,810,378	A *	3/1989	Carmen	.....	A61M 1/0209	2003/0178361	A1 *	9/2003	Memmer	.....	B01D 29/012
					210/206						210/435
5,085,773	A *	2/1992	Danowski	.....	B01D 29/03	2006/0196821	A1 *	9/2006	Selsdon	.....	B01D 17/0202
					123/538						210/435
5,440,898	A *	8/1995	Starr	.....	B01D 15/00	2006/0260991	A1 *	11/2006	Liao	.....	B01D 17/0202
					210/446						210/150
5,827,427	A *	10/1998	Hansen	.....	B01D 24/167	2007/0113739	A1 *	5/2007	Porter	.....	B01D 46/0012
					210/232						96/134
5,965,019	A *	10/1999	Olsen	.....	B01D 27/005	2008/0185323	A1 *	8/2008	Kargenian	.....	B01D 69/10
					210/331						210/117
D416,072	S *	11/1999	Douglas	.....	D23/209	2008/0264847	A1 *	10/2008	Emerson	.....	B01J 47/022
											210/190
						2011/0220660	A1 *	9/2011	Strack	.....	F17C 1/06
											220/586

* cited by examiner

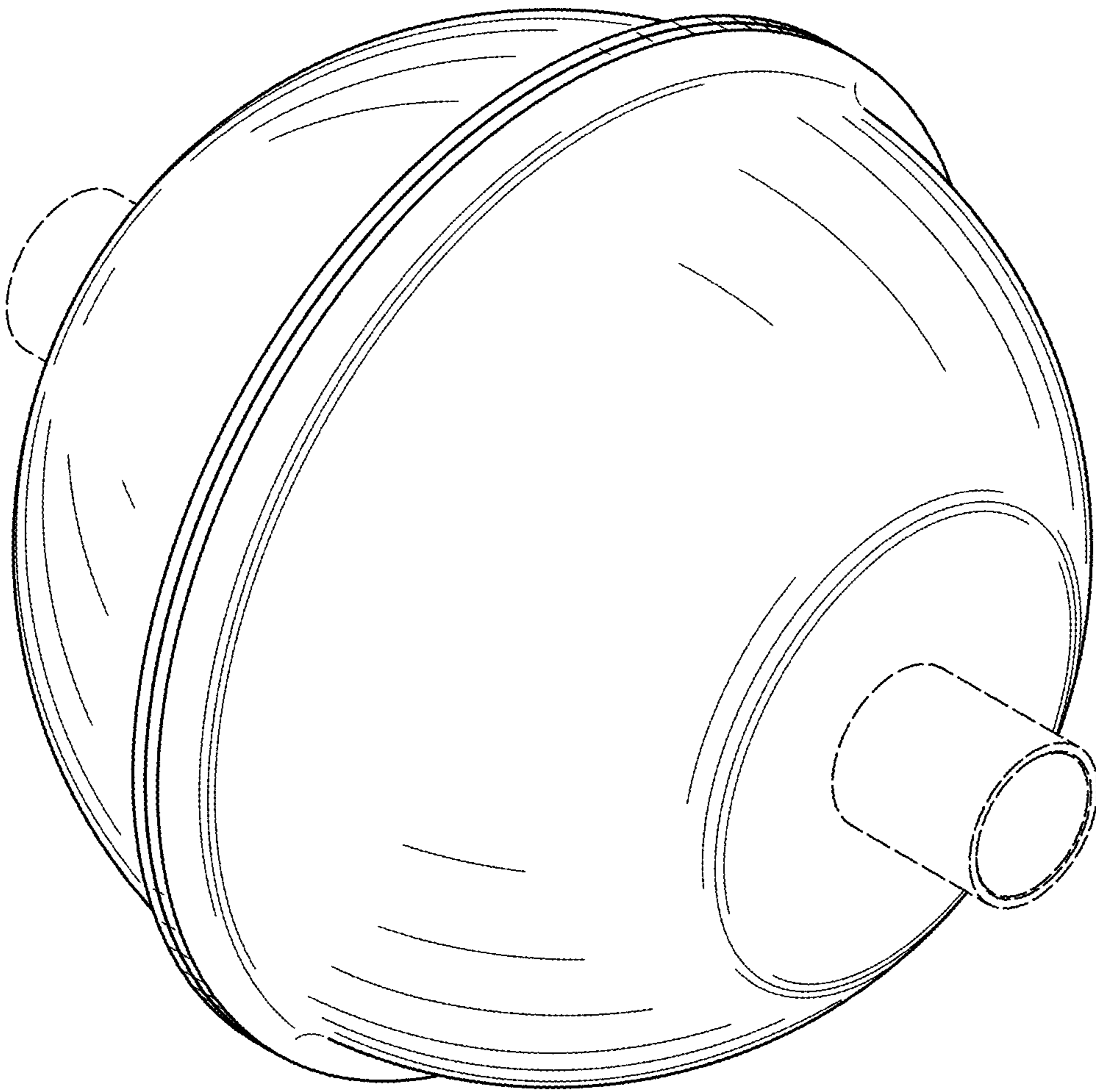


FIG. 1

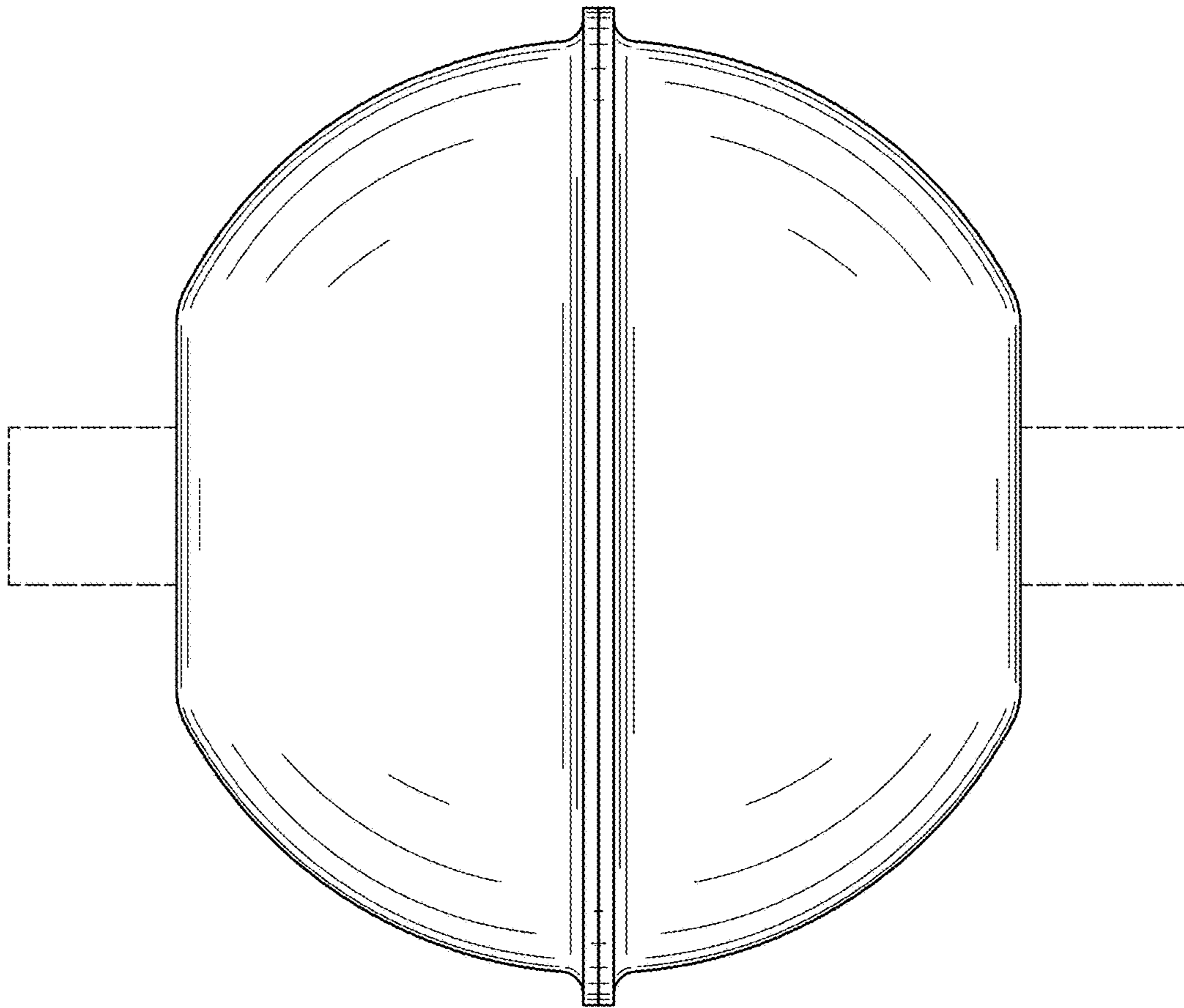


FIG. 2

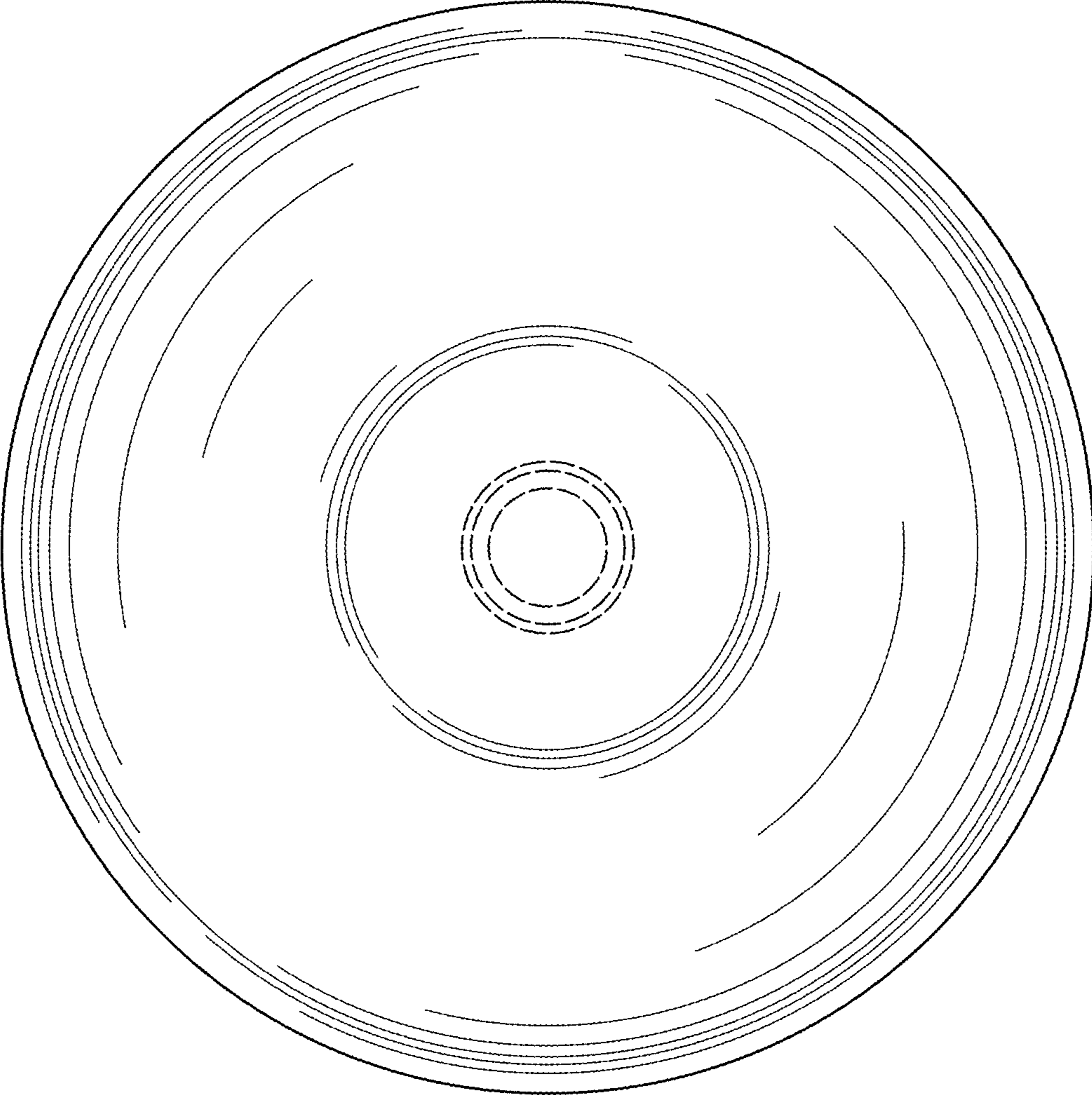


FIG. 3