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(54) OIL WATER SEPARATOR WITH REPLACEABLE FILTER

(71) Applicant: Wuhu TianHao E-commerce CO., LTD., Wuhu (CN)

(72) Inventor: Zhenzhen Li, Wuhu (CN)

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See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

3,289,847

A

*

12/1966

Rothmund

B01D 29/58

D23/209

D236,264

S

*

8/1975

Taylor

D23/209

D249,275

S

*

9/1978

Mackay

D23/209

D251,675

S

*

4/1979

Kratz

D23/207

D293,461

S

*

12/1987

Chang

D23/207

D295,658

S

*

5/1988

Anderson

D23/209

D299,269

S

*

1/1989

Pierson

D24/162

D317,201

S

*

5/1991

Sone

D24/162

D330,582

S

*

10/1992

Gefter

D32/30

D330,746

S

*

11/1992

Zazulia

D23/209

D346,640

S

*

5/1994

Kim

D23/209

D353,648

S

*

12/1994

Guerriero

D23/209

D359,128

S

*

6/1995

Kesling

D24/229

D500,836

S

*

1/2005

Nishi

D23/209

D635,640

S

*

4/2011

Xu

D23/209

D650,885

S

*

12/2011

Bridges

D23/207

D655,781

S

*

3/2012

Salvador

D23/209

D685,451

S

*

7/2013

Patera

D23/209

D723,135

S

*

2/2015

Haslem

D23/209

D747,924

S

*

1/2016

Roth

D23/209

D810,859

S

*

2/2018

Lu

D23/209

D850,579

S

*

6/2019

Ito

D23/209

2008/0197064

A1

*

8/2008

Blasco Remacha

B01D 36/003

210/184

(Continued)

OTHER PUBLICATIONS

IFJF S3213 Fuel Water Separating Filter, Mar. 3, 2020, Amazon, site visited Mar. 7, 2022: <https://www.amazon.com/dp/B085G48N4T/> (Year: 2020).*

(Continued)

Primary Examiner — Jack Reickel
Assistant Examiner — Bobby W Jones, II

(57)

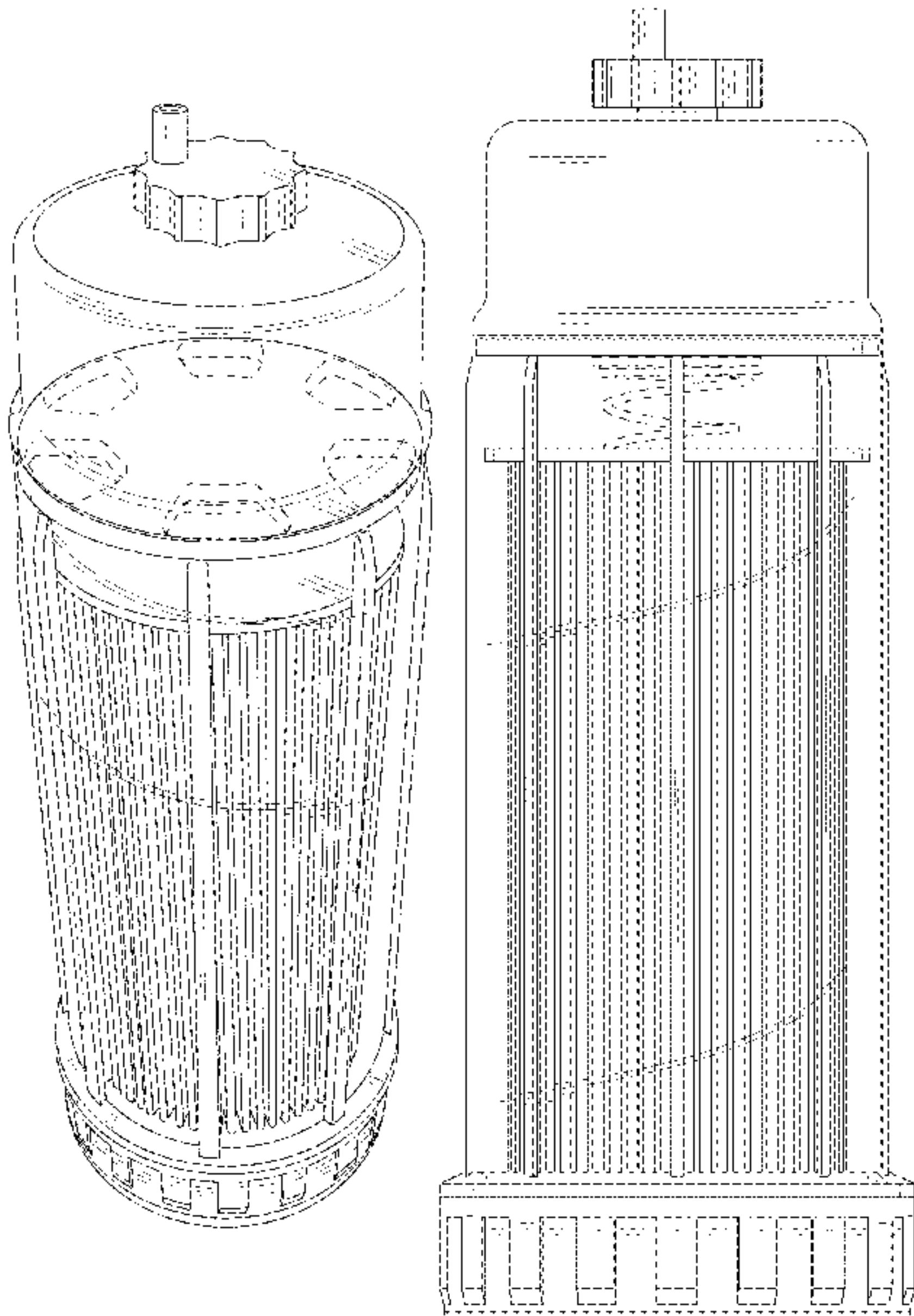
CLAIM

The ornamental design for an oil water separator with replaceable filter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an oil water separator with replaceable filter showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The evenly-broken lines where present illustrate portions of the oil water separator with replaceable filter that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0074785	A1 *	3/2016	Smith	B01D 27/06 210/95
2018/0050926	A1 *	2/2018	Ruprecht	B01D 19/0031
2019/0217229	A1 *	7/2019	Rookey	B01D 35/005

OTHER PUBLICATIONS

Partman Fuel Filter Assembly, Apr. 22, 2020, Amazon, site visited Mar. 7, 2022: <https://www.amazon.com/dp/B087FBBND6/> (Year: 2020).*

AIPICO Fuel Water Separator Filter Kit, Jul. 6, 2018, Amazon, site visited Mar. 7, 2022: <https://www.amazon.com/dp/B07FJM945Y/> (Year: 2018).*

* cited by examiner

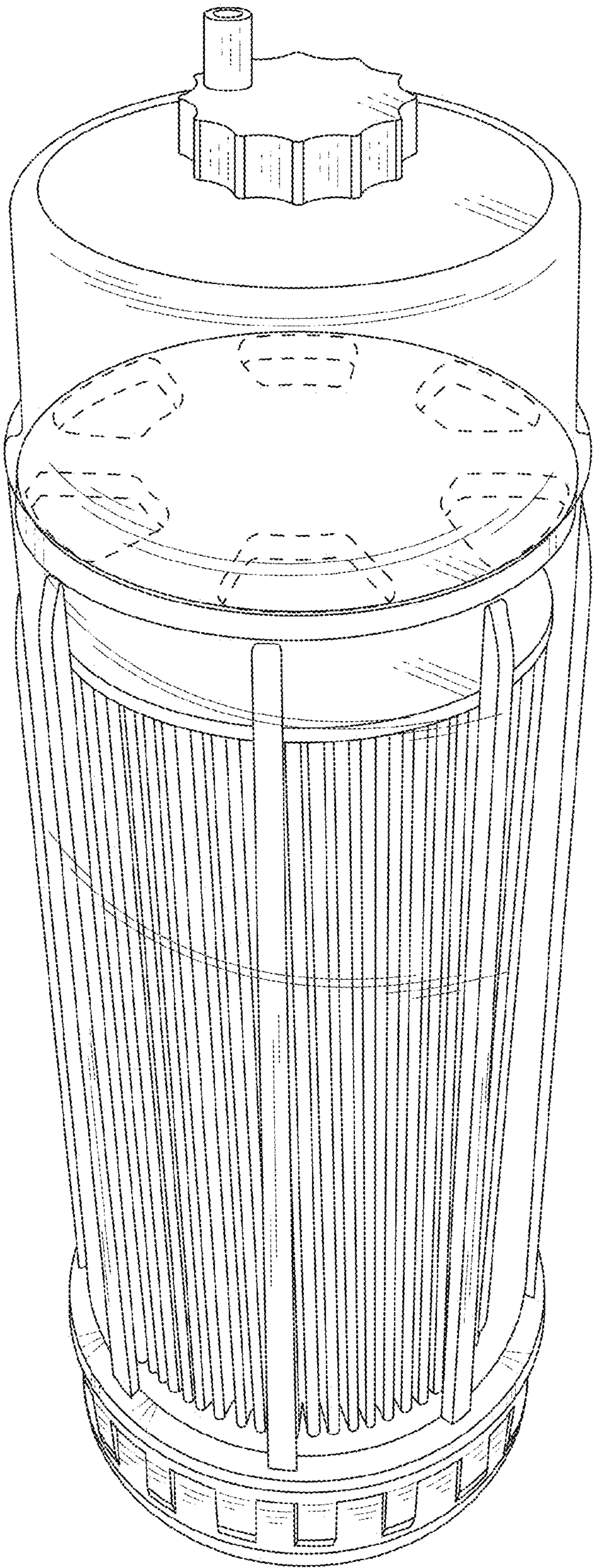


FIG.1

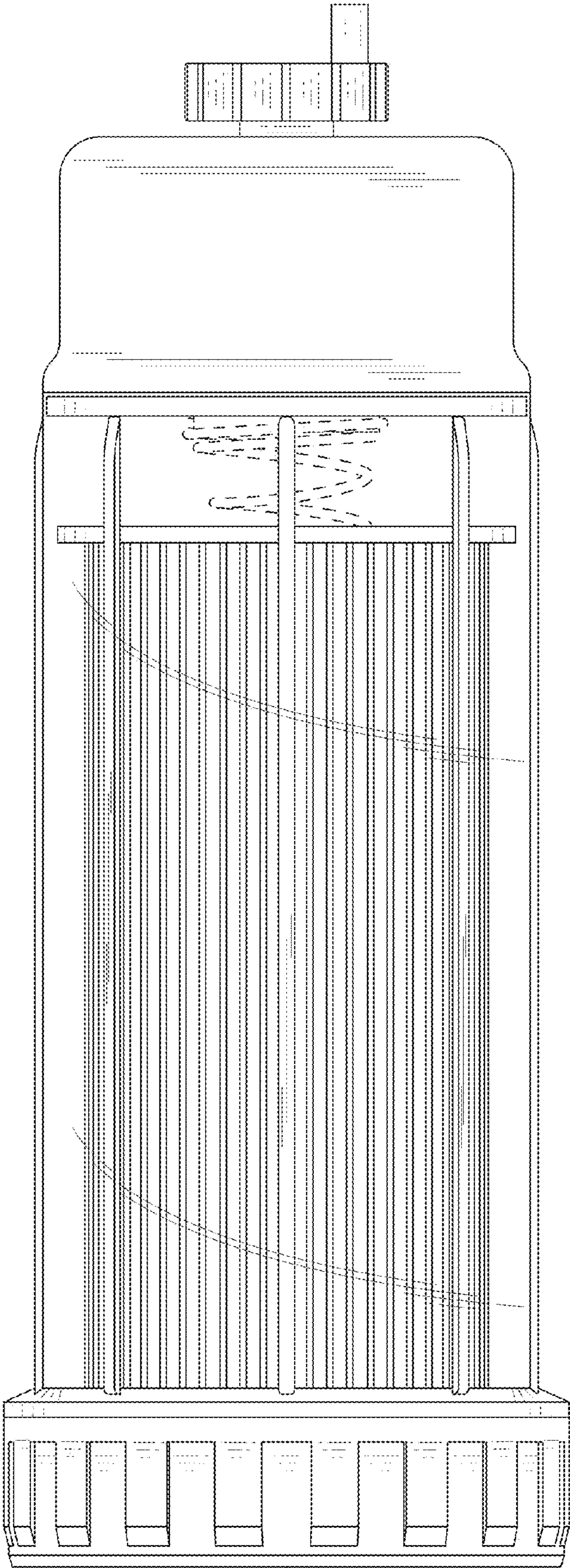


FIG.2

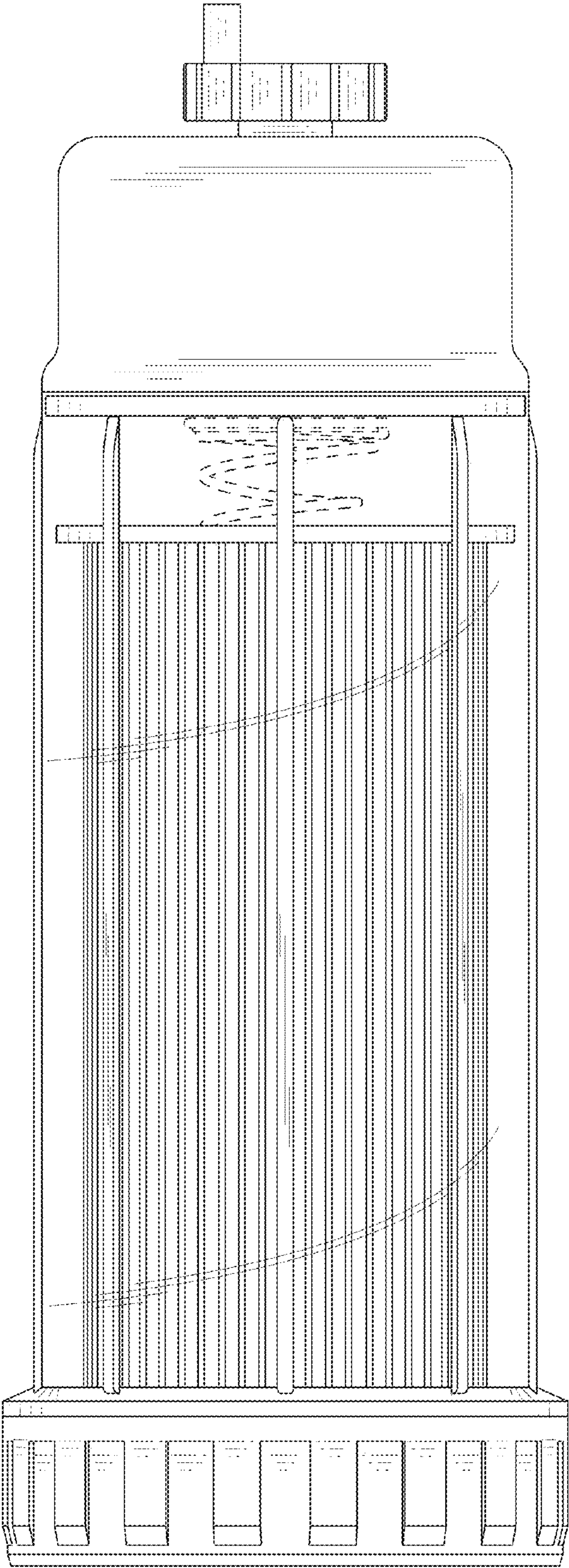


FIG.3

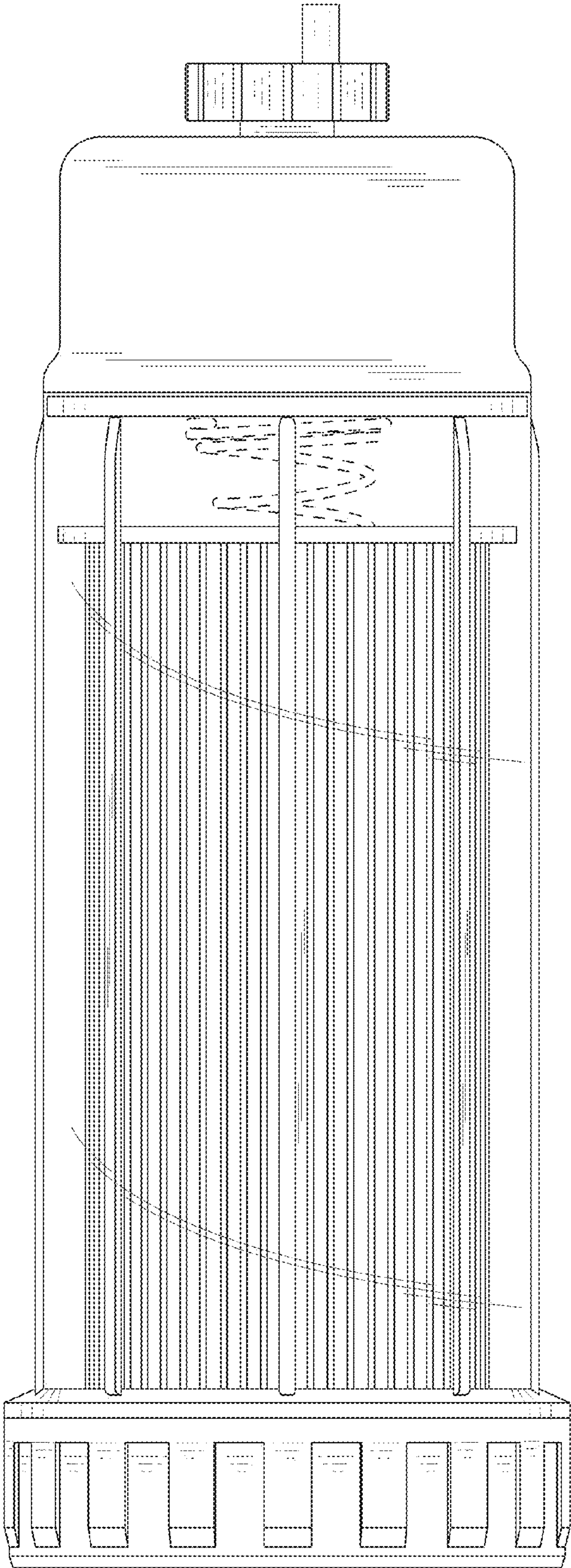


FIG.4

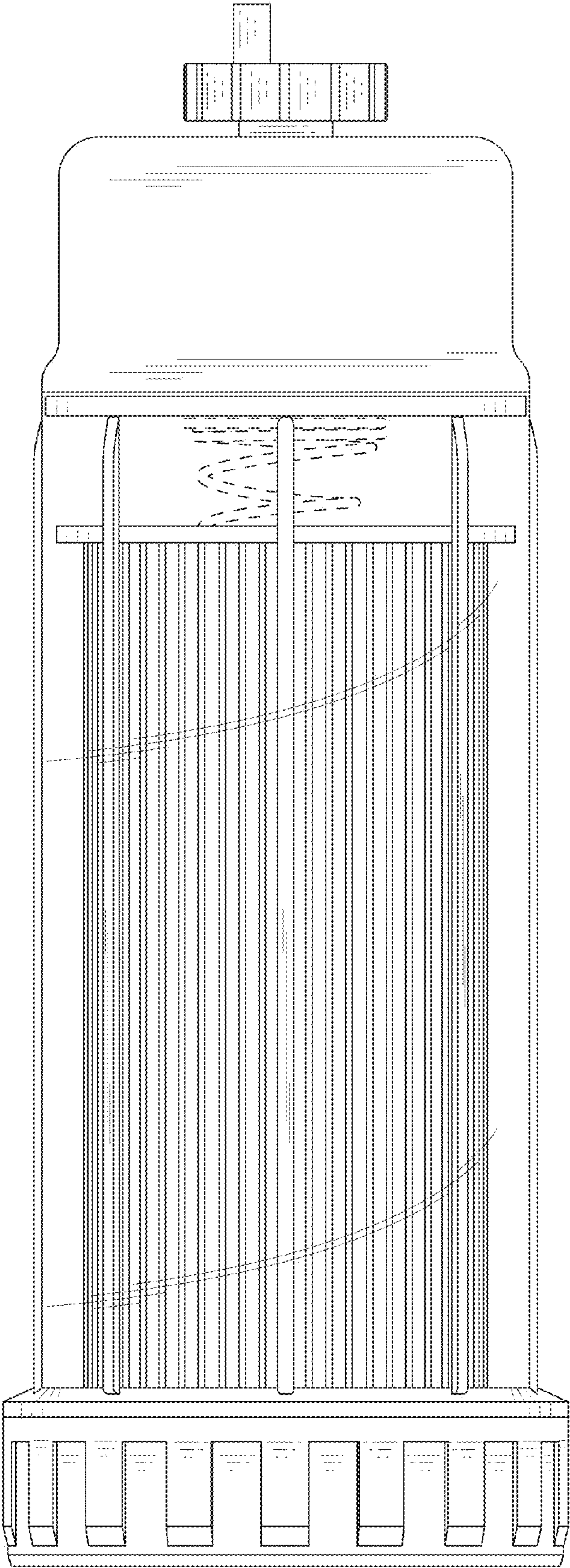


FIG.5

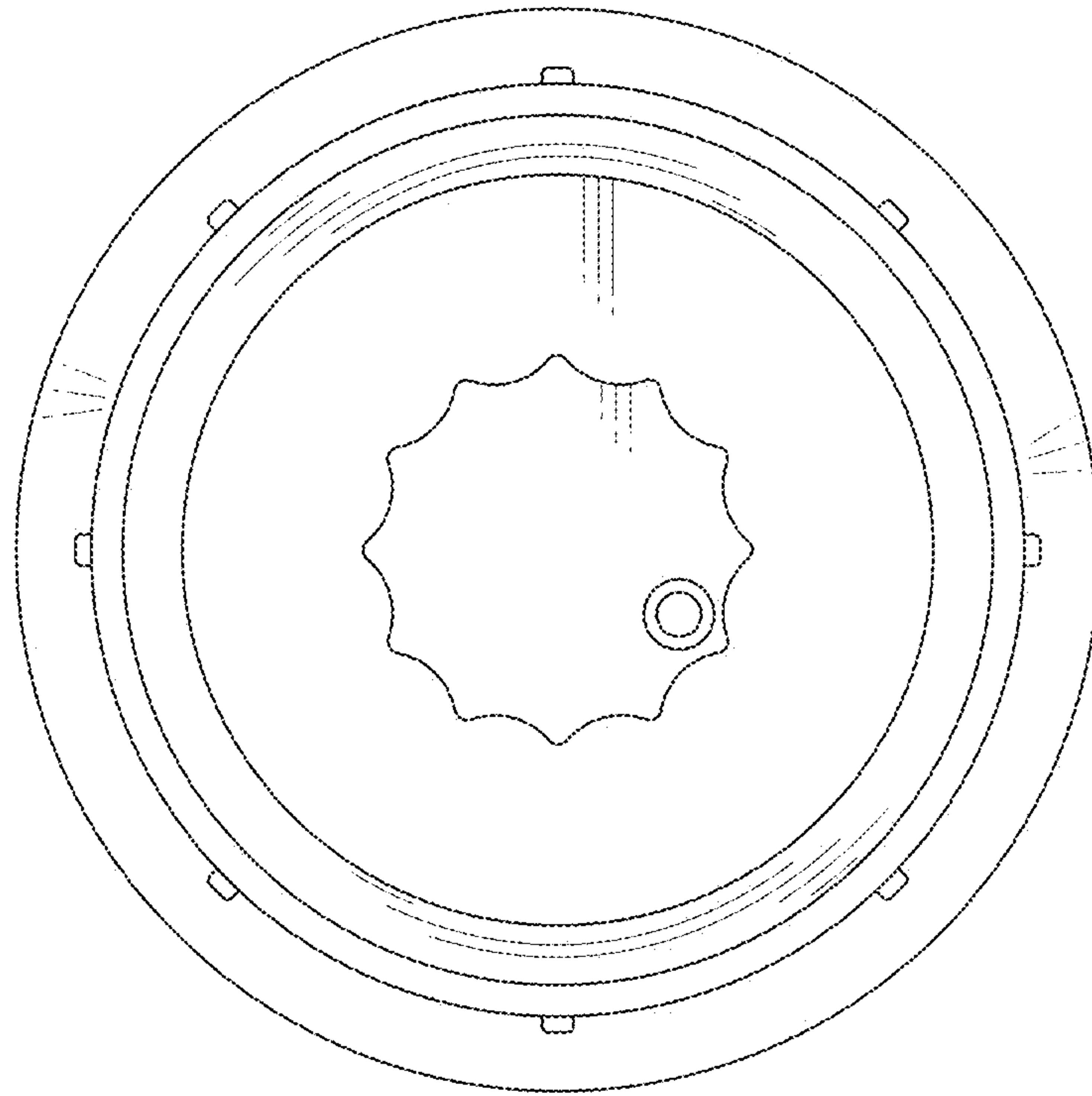


FIG.6

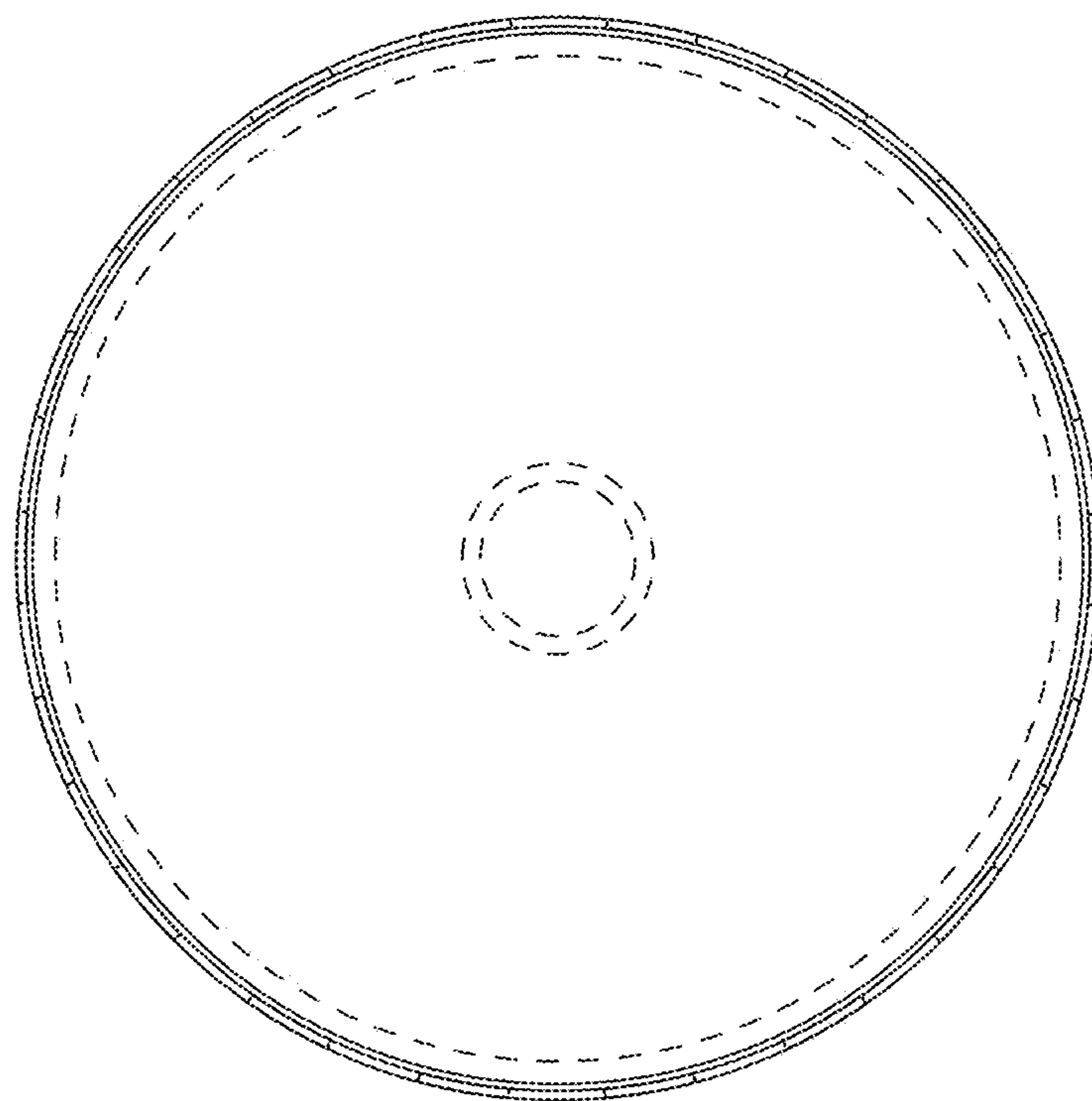


FIG.7