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(12) **United States Design Patent**
Yang

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(45) **Date of Patent: ** Jun. 4, 2019**

(54) **ANTENNA**

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

(21) Appl. No.: **29/604,985**

(22) Filed: **May 22, 2017**

(51) **LOC (11) Cl.** **14-03**
(52) **U.S. Cl.**
USPC **D14/230**
(58) **Field of Classification Search**
USPC D14/230–238, 203.6, 204, 216, 221, D14/238.1, 240, 242, 299, 343, 358, 509
CPC H01Q 7/00; H01Q 13/10; H01Q 9/285; H01Q 19/30; H01Q 19/12; H01Q 1/36; H01Q 1/38; H01Q 1/0475; H01Q 1/034; H05K 11/00; G05D 1/0234; G06K 19/07749
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,480,155	A *	8/1949	Masters	H01Q 9/285 343/795
D170,203	S *	8/1953	Leonard	D14/230
3,015,101	A *	12/1961	Turner	H01Q 9/43 343/848
3,434,145	A *	3/1969	Wells	H01Q 9/265 343/726
3,631,499	A *	12/1971	Turner	H01Q 9/28 343/701
4,184,163	A *	1/1980	Woodward	H01Q 21/24 343/742

(Continued)

OTHER PUBLICATIONS

Mohu Sky 60 Amplified multi-directional attic/outdoor TV antenna, [online], first review posted Sep. 30, 2013, <URL: https://www.crutchfield.com/S-JK6tbc1me7h/p_792SKY60/Mohu-Sky-60.html>, [site visited May 10, 2018].*

(Continued)

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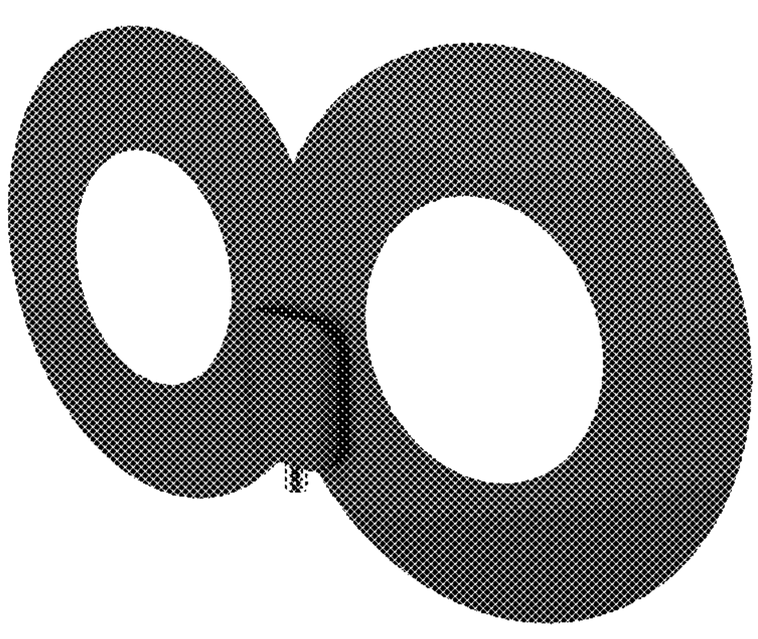
(57) **CLAIM**

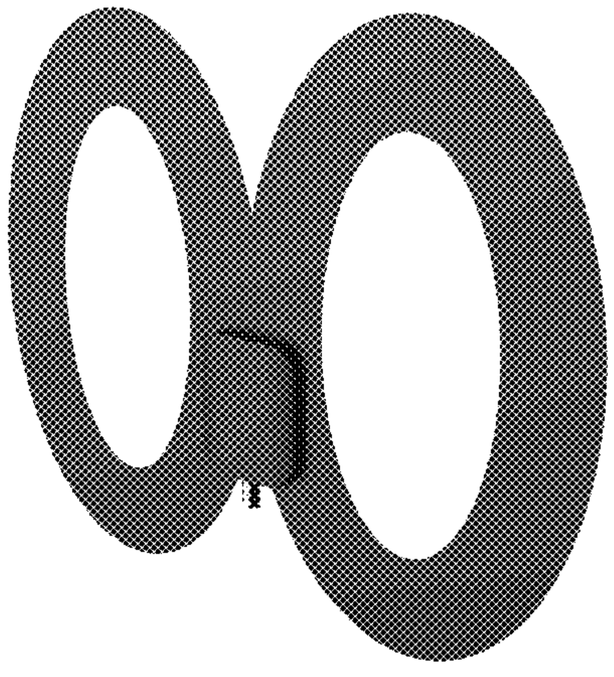
The ornamental design for an antenna, as shown and described.

DESCRIPTION

FIG. **1** is a front, top, right perspective view of a first embodiment of an antenna showing my new design;
FIG. **2** is a front, bottom perspective view thereof;
FIG. **3** is a front elevational view thereof;
FIG. **4** is a rear elevational view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a left side view thereof;
FIG. **7** is a bottom plan view thereof;
FIG. **8** is a top plan view thereof;
FIG. **9** is a front, top, right perspective view of a second embodiment of an antenna showing my new design;
FIG. **10** is another perspective view thereof;
FIG. **11** is a front, bottom perspective view thereof;
FIG. **12** is a front elevational view thereof;
FIG. **13** is a rear elevational view thereof;
FIG. **14** is a right side view thereof;
FIG. **15** is a left side view thereof;
FIG. **16** is a bottom plan view thereof; and,
FIG. **17** is a top plan view thereof.

1 Claim, 17 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

4,634,975	A *	1/1987	Eccleston	G01V 3/107 324/232
5,285,210	A *	2/1994	Sato	H01Q 7/00 343/713
6,025,807	A *	2/2000	Jon	H01Q 7/00 343/742
7,126,556	B1 *	10/2006	Wang	H01Q 1/007 343/866
7,324,061	B1 *	1/2008	Hadley	G06K 19/07749 340/572.7
7,471,246	B2 *	12/2008	Soler Castany	H01Q 1/246 343/700 MS
D585,883	S *	2/2009	Kaneko	D14/230
D598,433	S *	8/2009	Schneider	D14/230
D598,434	S *	8/2009	Schneider	D14/230
D656,131	S *	3/2012	Suleiman	D14/230
8,599,079	B2 *	12/2013	Kudo	H01Q 1/1271 343/713
D697,059	S *	1/2014	Miller	D14/230
D713,826	S *	9/2014	McDonnell	D14/230
D761,771	S *	7/2016	Winstead	D14/230
9,761,935	B2 *	9/2017	Ross, III	H01Q 1/36
D804,459	S *	12/2017	Feit	D14/230
D809,490	S *	2/2018	Feit	D14/230
D815,622	S *	4/2018	Yang	D14/230
D815,623	S *	4/2018	Yang	D14/230
2005/0162332	A1 *	7/2005	Schantz	H01Q 13/10 343/795
2007/0279296	A1 *	12/2007	Sarabandi	H01Q 7/00 343/700 MS
2009/0146899	A1 *	6/2009	Schneider	H01Q 7/00 343/834

OTHER PUBLICATIONS

Mohu AIR 60 Outdoor Amplified Multi-Directional HDTV Antenna, [online], no post date available, <URL: https://www.bestbuy.com/site/mohu-air-60-outdoor-amplified-multi-directional-hdtv-antenna-black/4756200.p?skuId=4756200>, [site visited May 10, 2018].*

Amazon Basics Amplified Indoor/Outdoor TV Antenna, [online], date first available Dec. 13, 2016, <URL: https://www.amazon.com/AmazonBasics-Amplified-Indoor-Outdoor-Antenna/dp/B01IN2777A>, [site visited May 10, 2018].*

Ensys, 433MHz Moxon directional antenna, [online], no post date available, <URL: https://www.ensys.lt/product/433mhz-moxon-directional-antenna/>, [site visited May 10, 2018].*

* cited by examiner

FIG. 1

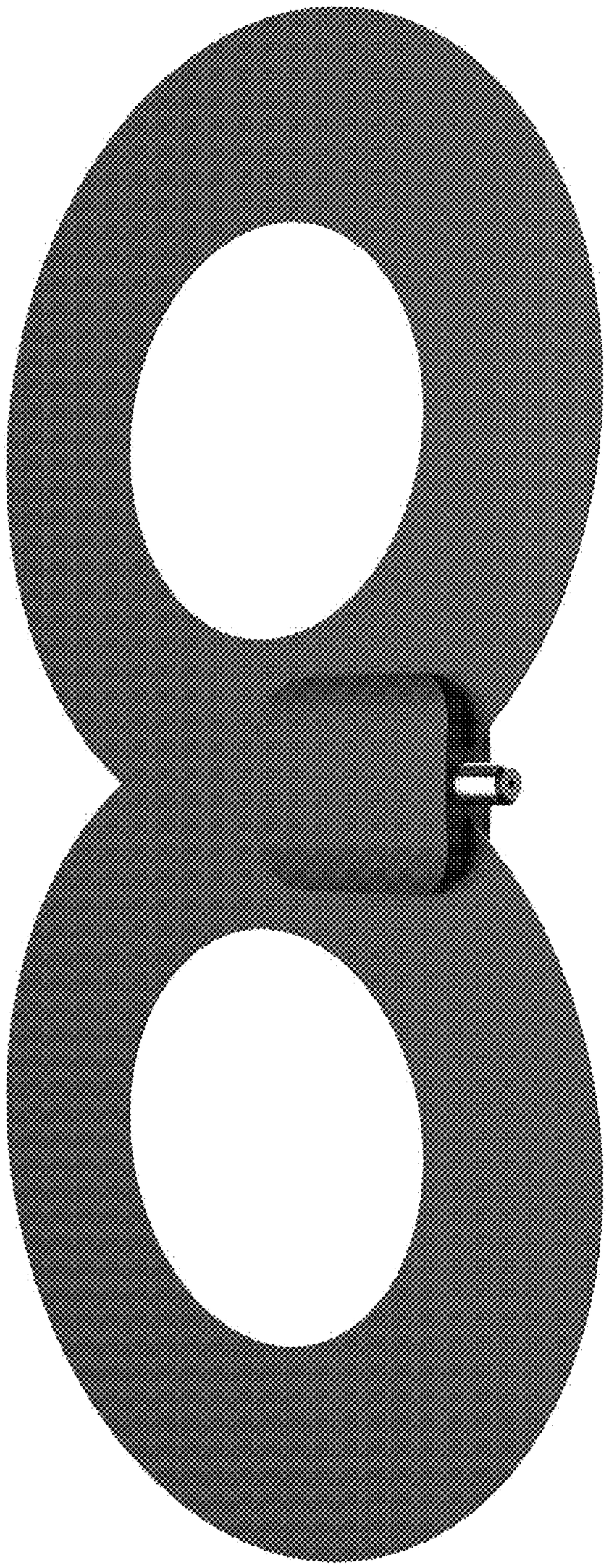


FIG. 2

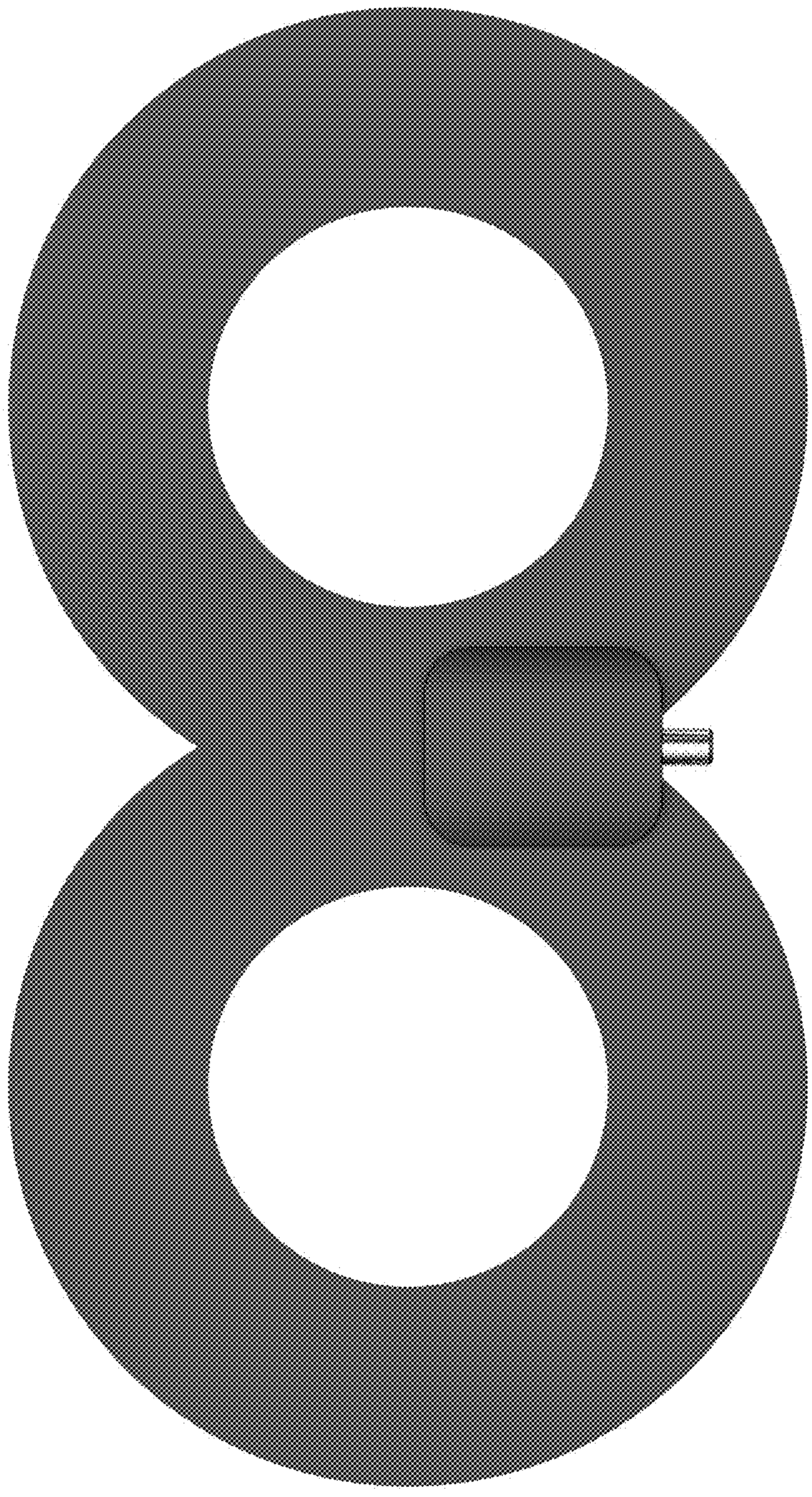


FIG. 3

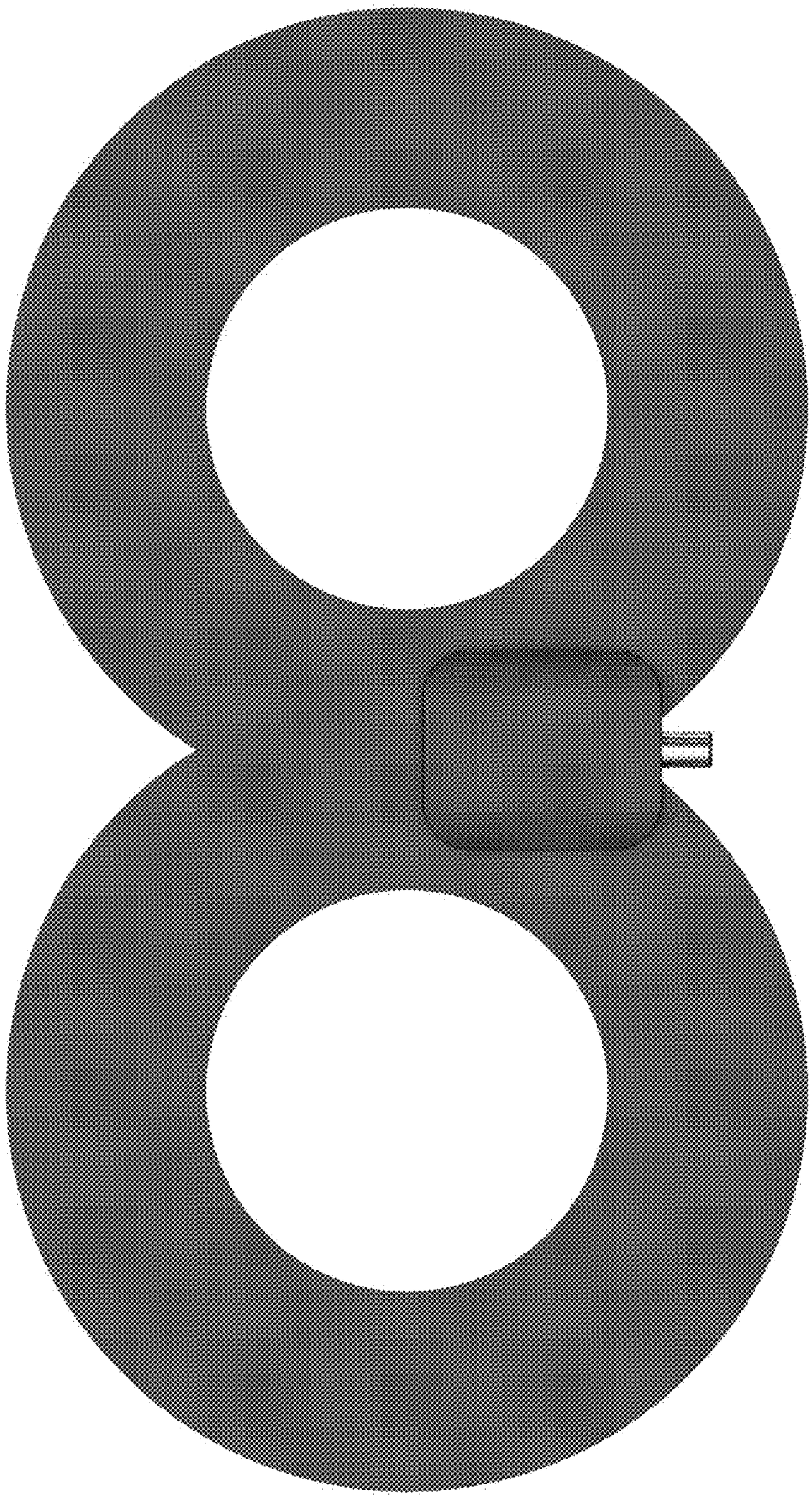


FIG. 4

FIG. 5

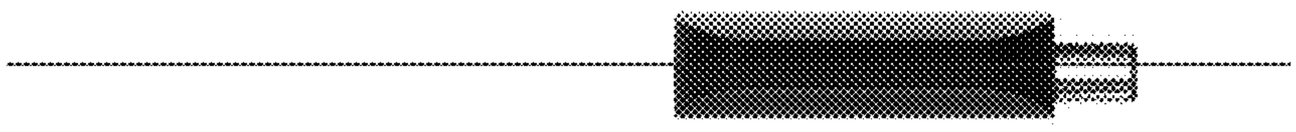


FIG. 6

FIG. 7

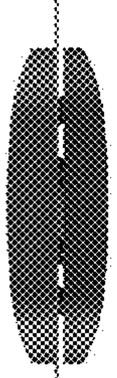


FIG. 8

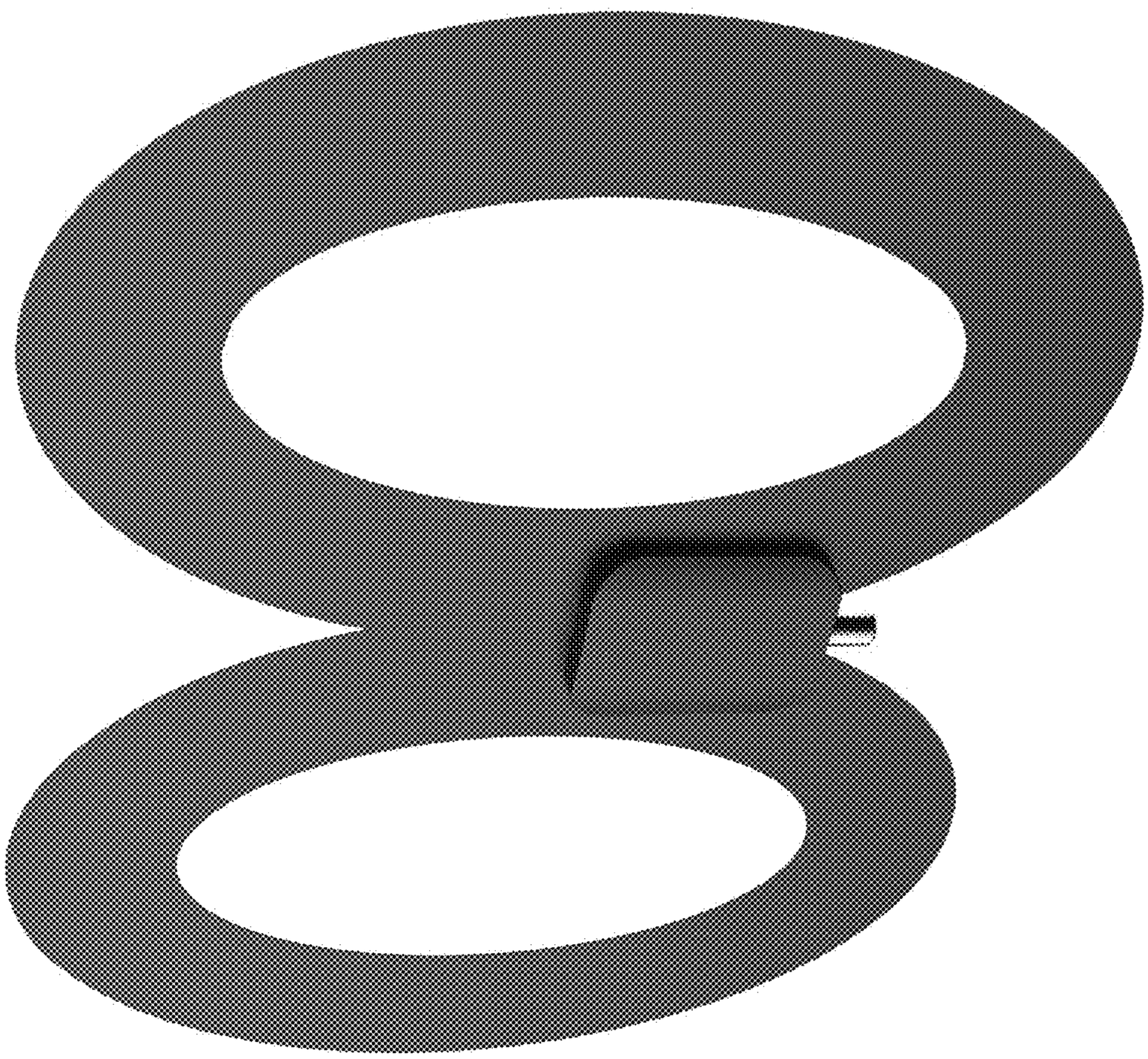


FIG. 9

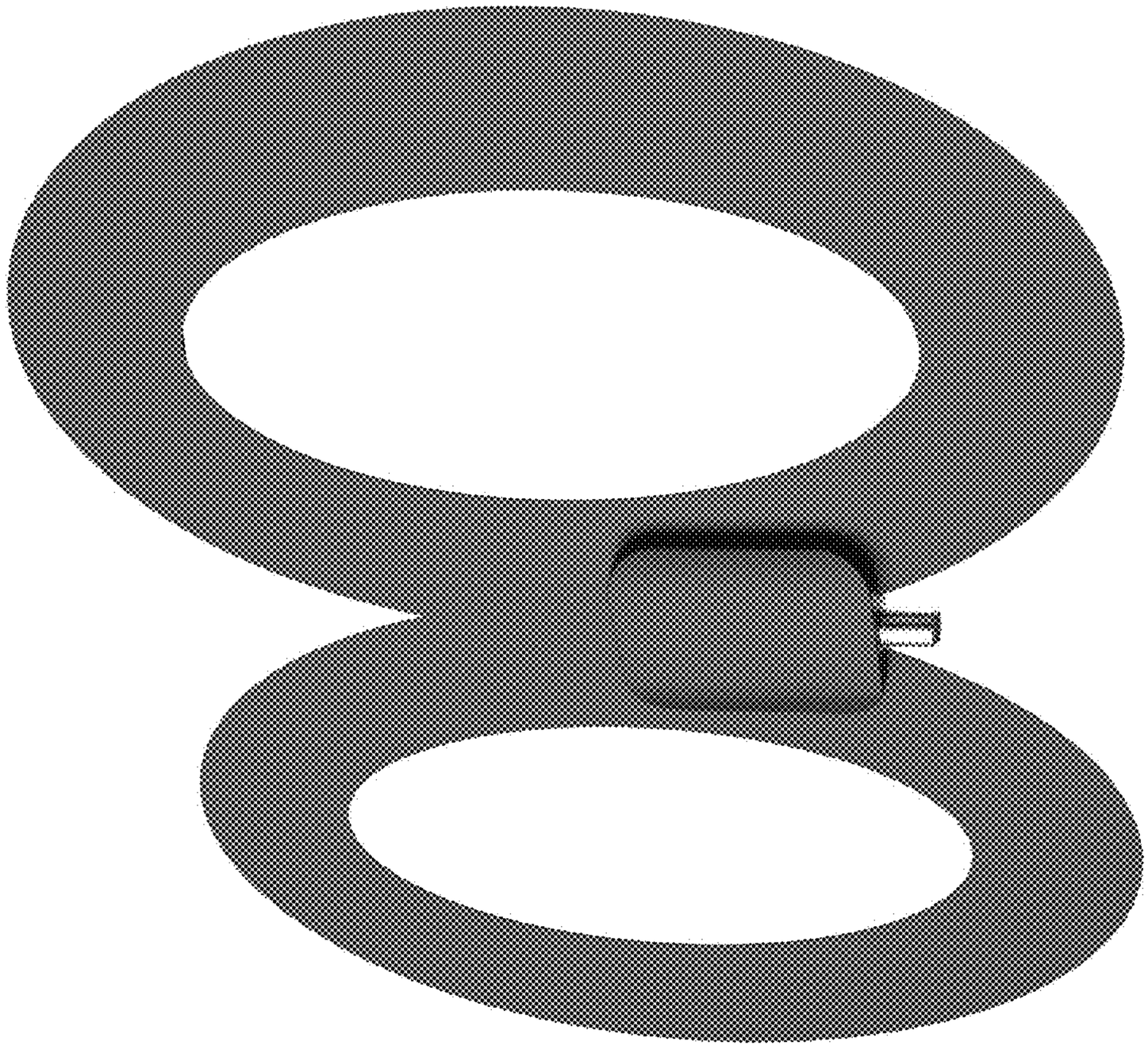


FIG. 10

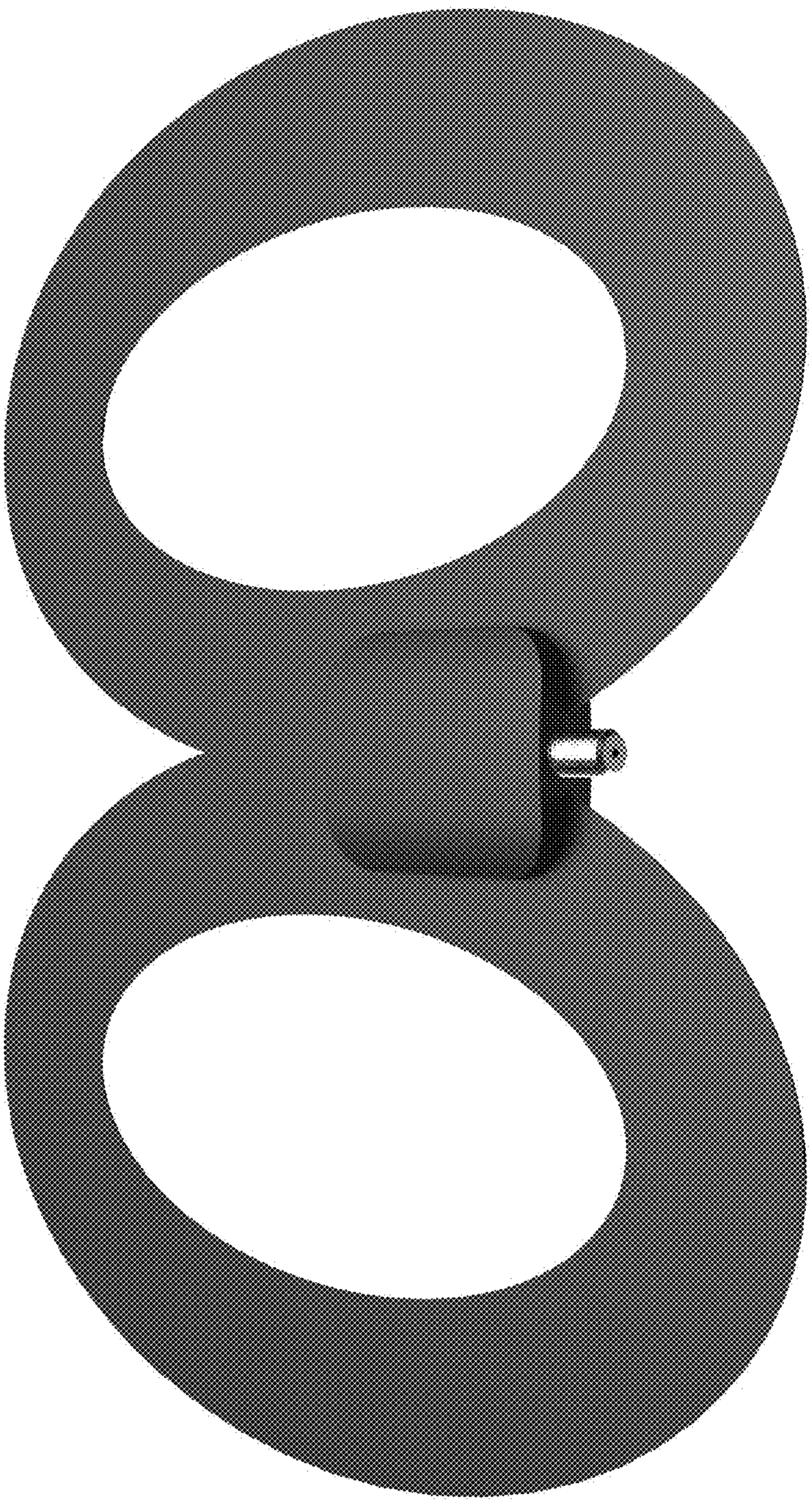


FIG. 11

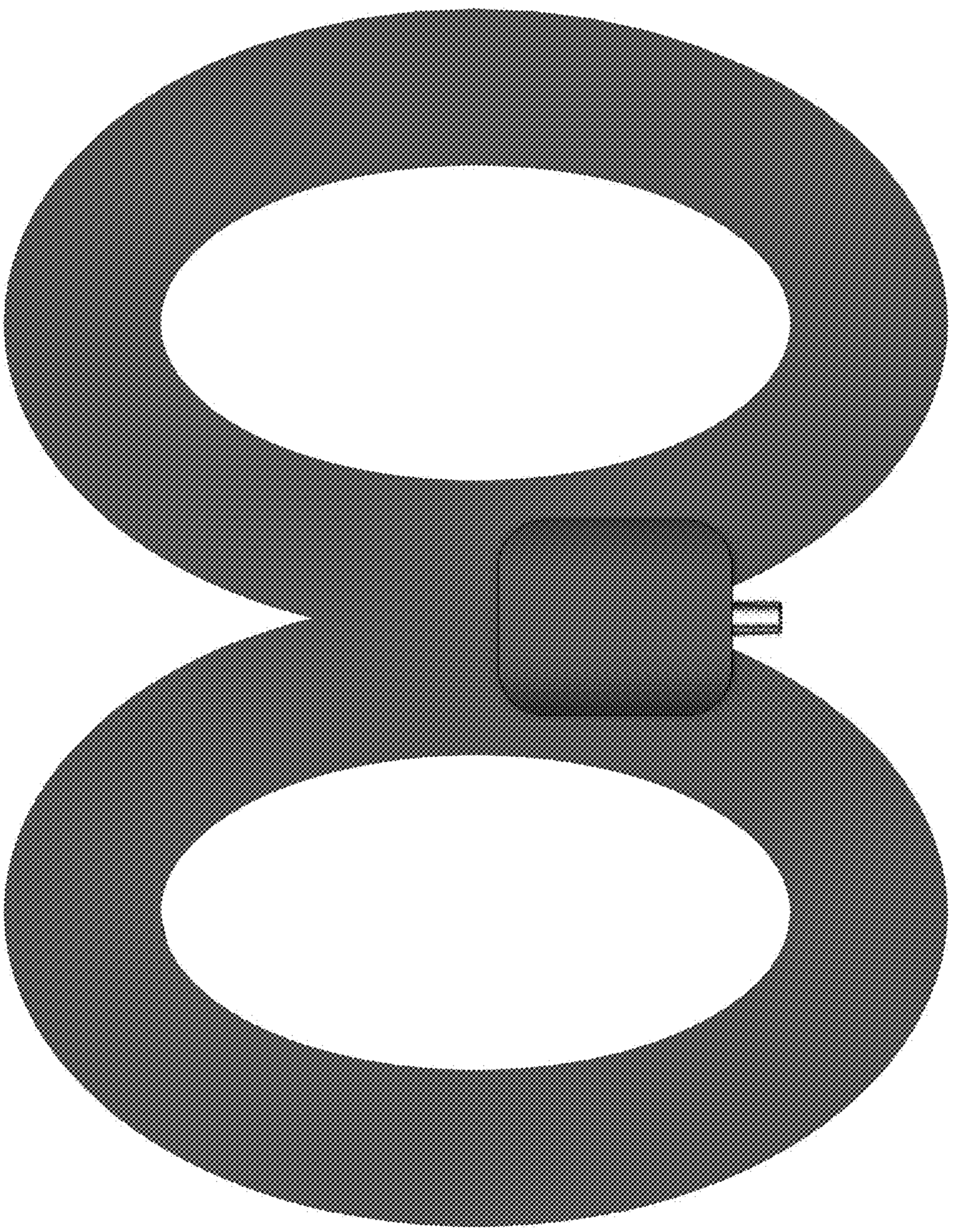


FIG. 12

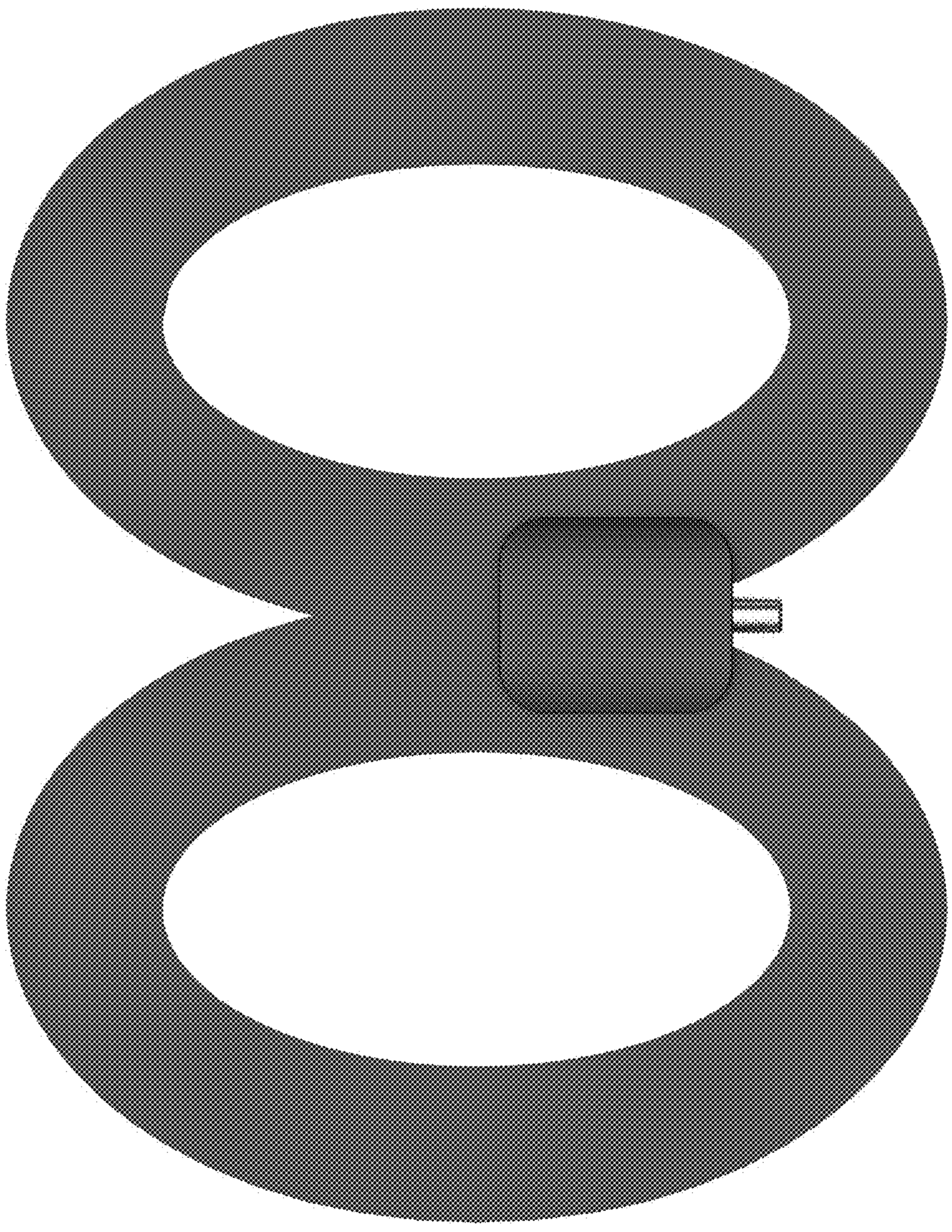


FIG. 13

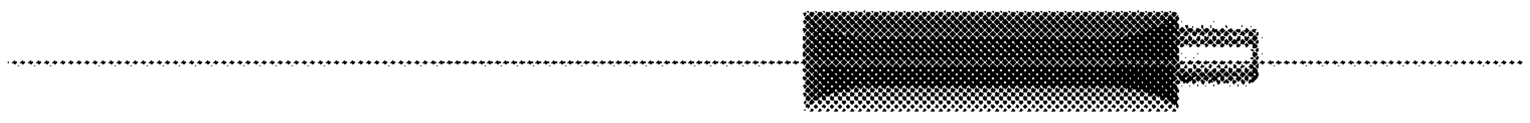


FIG. 14

FIG. 15

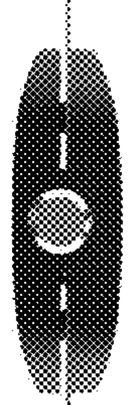


FIG. 16

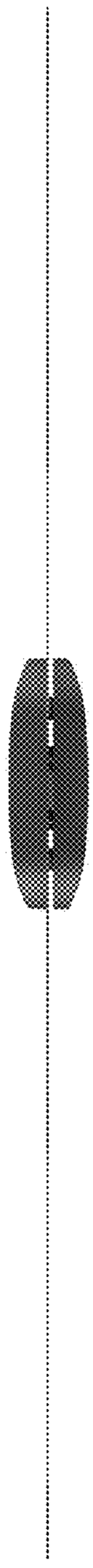


FIG. 17