



US00D872714S

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

(10) **Patent No.:** **US D872,714 S**
(45) **Date of Patent:** **** Jan. 14, 2020**

(54) **ANTENNA**
(71) Applicant: **SHENZHEN ANTOP TECHNOLOGY LIMITED**, Shenzhen (CN)
(72) Inventor: **Ruidian Yang**, Shenzhen (CN)
(73) Assignee: **SHENZHEN ANTOP TECHNOLOGY LIMITED**, Shenzhen (CN)

3,434,145 A ‡ 3/1969 Wells H01Q 9/265
343/726
3,631,499 A 12/1971 Turner
4,184,163 A 1/1980 Woodward
4,634,975 A ‡ 1/1987 Eccleston G01V 3/107
324/232
5,285,210 A 2/1994 Sato
6,025,807 A ‡ 2/2000 Jon H01Q 7/00
343/742

(Continued)

(**) Term: **15 Years**
(21) Appl. No.: **29/681,192**
(22) Filed: **Feb. 22, 2019**

Related U.S. Application Data

(62) Division of application No. 29/604,983, filed on May 22, 2017, now Pat. No. Des. 847,798.
(51) **LOC (12) 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
D170,203 S 8/1953 Leonard
3,015,101 A ‡ 12/1961 Turner H01Q 9/43
343/848

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)

Primary Examiner — Jeffrey D Asch
Assistant Examiner — Rebekah A Caruso
(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

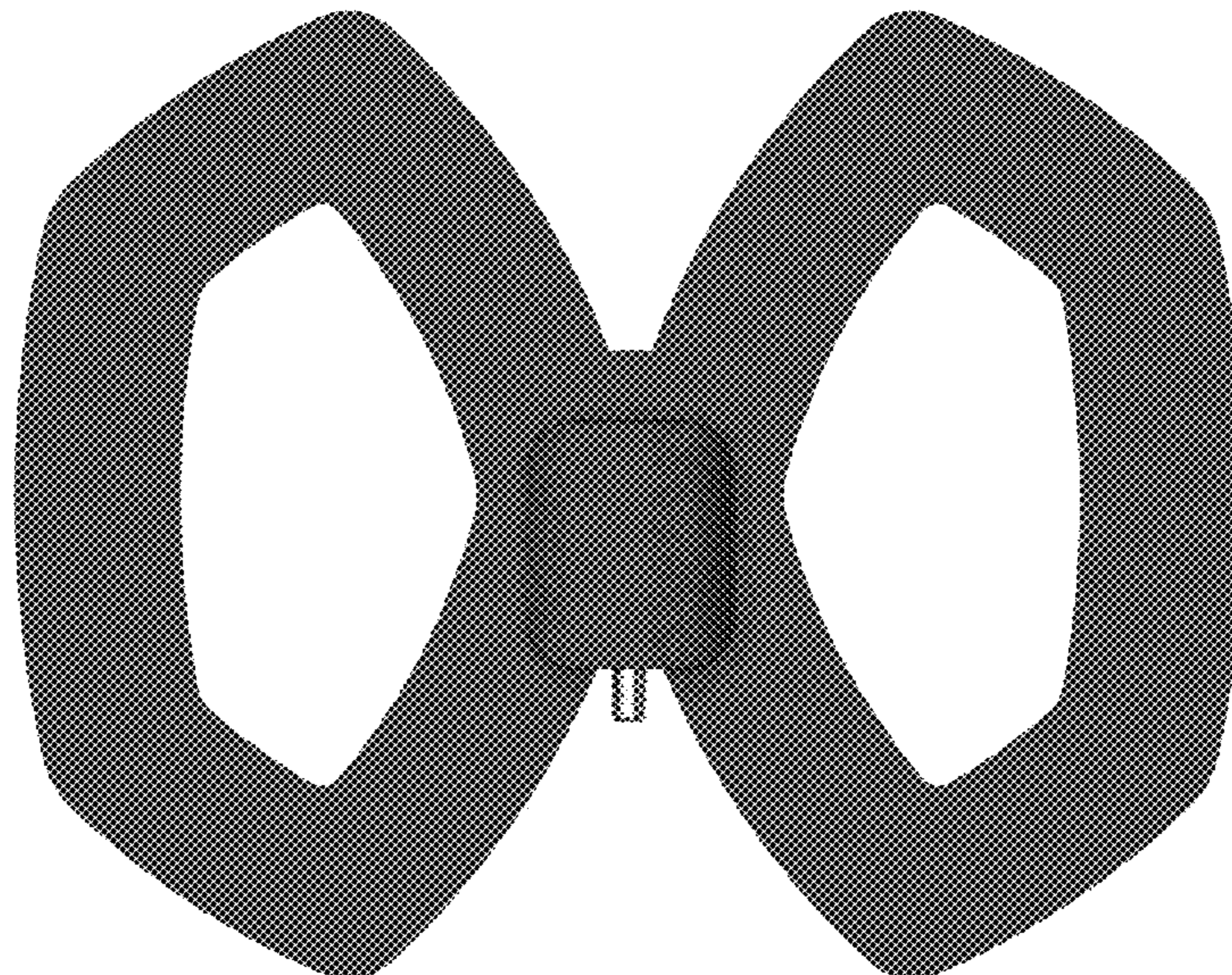
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, top, right perspective view of an antenna showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front, bottom perspective view thereof;
FIG. 4 is a front elevational view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a left side view thereof;
FIG. 8 is a bottom plan view thereof; and,
FIG. 9 is a top plan view thereof.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,126,556 B1 ‡ 10/2006 Wang H01Q 1/007
343/866

7,324,061 B1 1/2008 Hadley

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

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

D831,622 S ‡ 10/2018 Yang D14/230

D832,827 S * 11/2018 Yang D14/230

D847,798 S * 5/2019 Yang D14/230

D849,722 S * 5/2019 Yang D14/230

D850,425 S * 6/2019 Yang D14/230

2005/0162332 A1 ‡ 7/2005 Schantz H01Q 13/10
343/795

2007/0279296 A1 12/2007 Sarabandi

2009/0146899 A1 ‡ 6/2009 Schneider H01Q 7/00
343/834

2016/0322704 A1 11/2016 Tao

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.ensysit/product/433mhz-moxon-directional-antenna/>>, [site visited May 10, 2018].

Outdoor HDTV Antenna, online, no post date, <URL: <https://www.surecall.com/signal-booster/ACCESSORIES/SC-306W-H-OUTDOOR-HDTV-ANTENNA/>>, retrieved Sep. 25, 2018.

Focus Antennas Best-2V HD Long Range Indoor/Outdoor HDTV Antenna, online, no post date, <URL: https://ca.focusantennas.com/product/product&product_id=56>, retrieved Sep. 25, 2018.

* cited by examiner

‡ imported from a related application

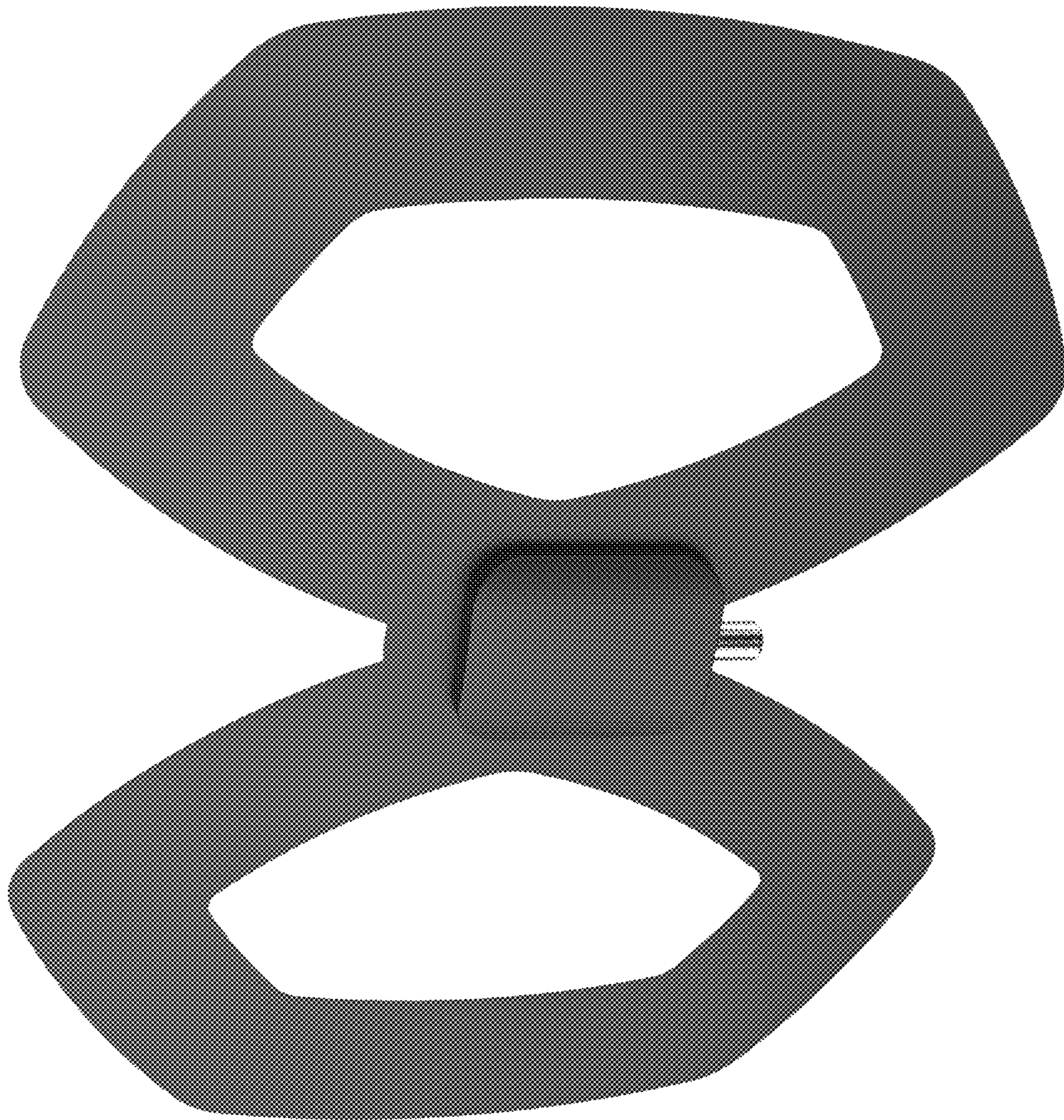


FIG. 1

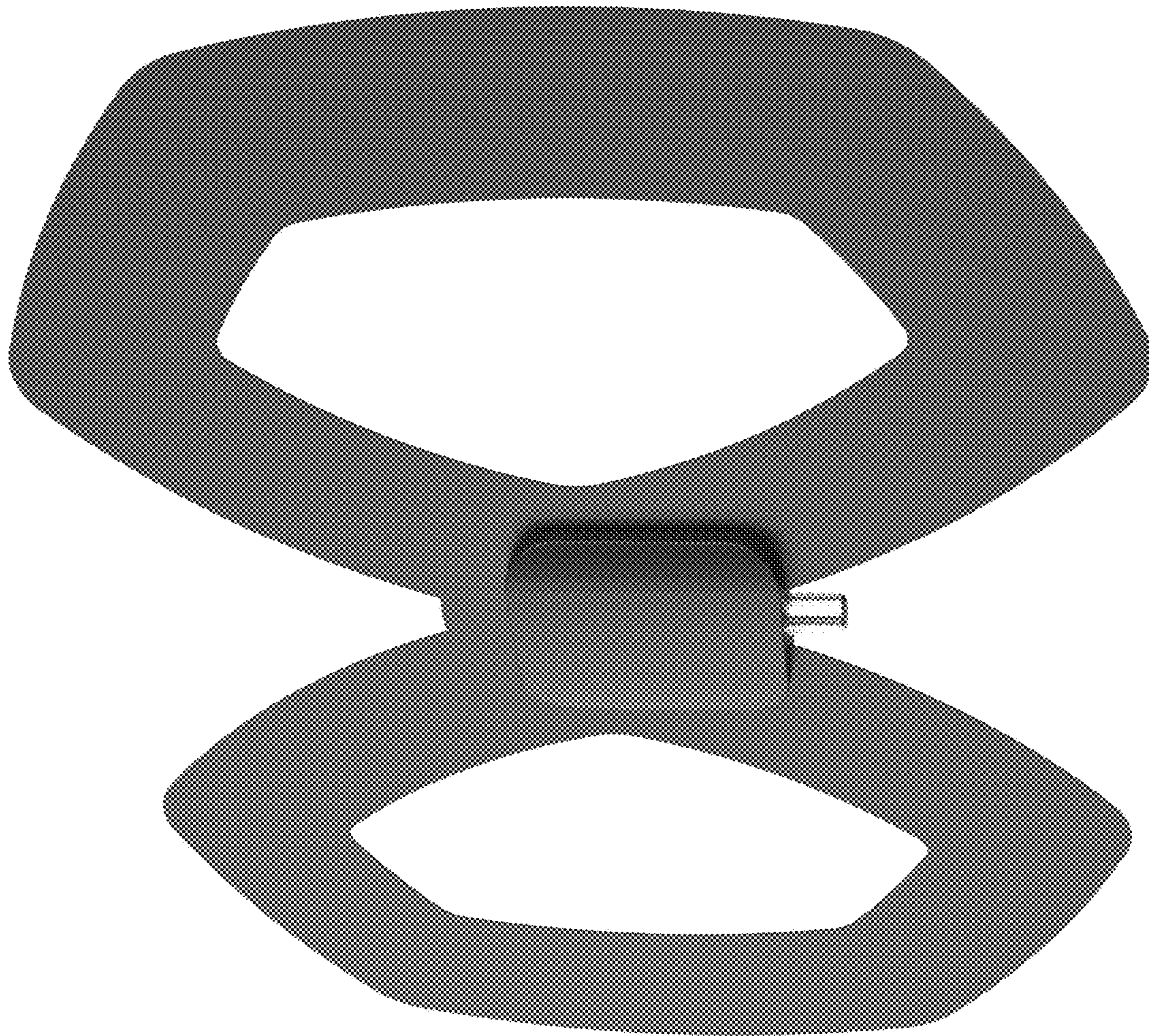


FIG. 2

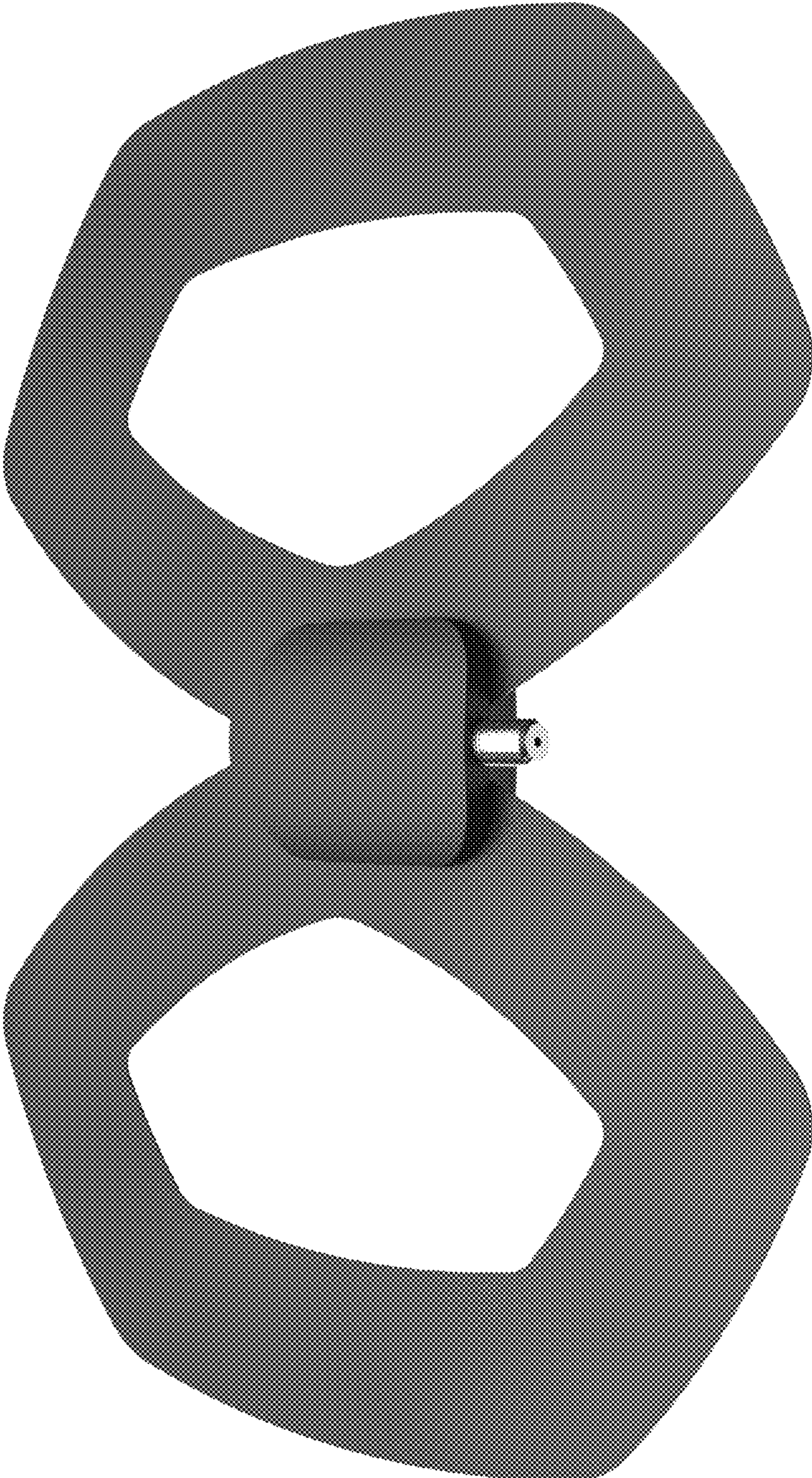


FIG. 3

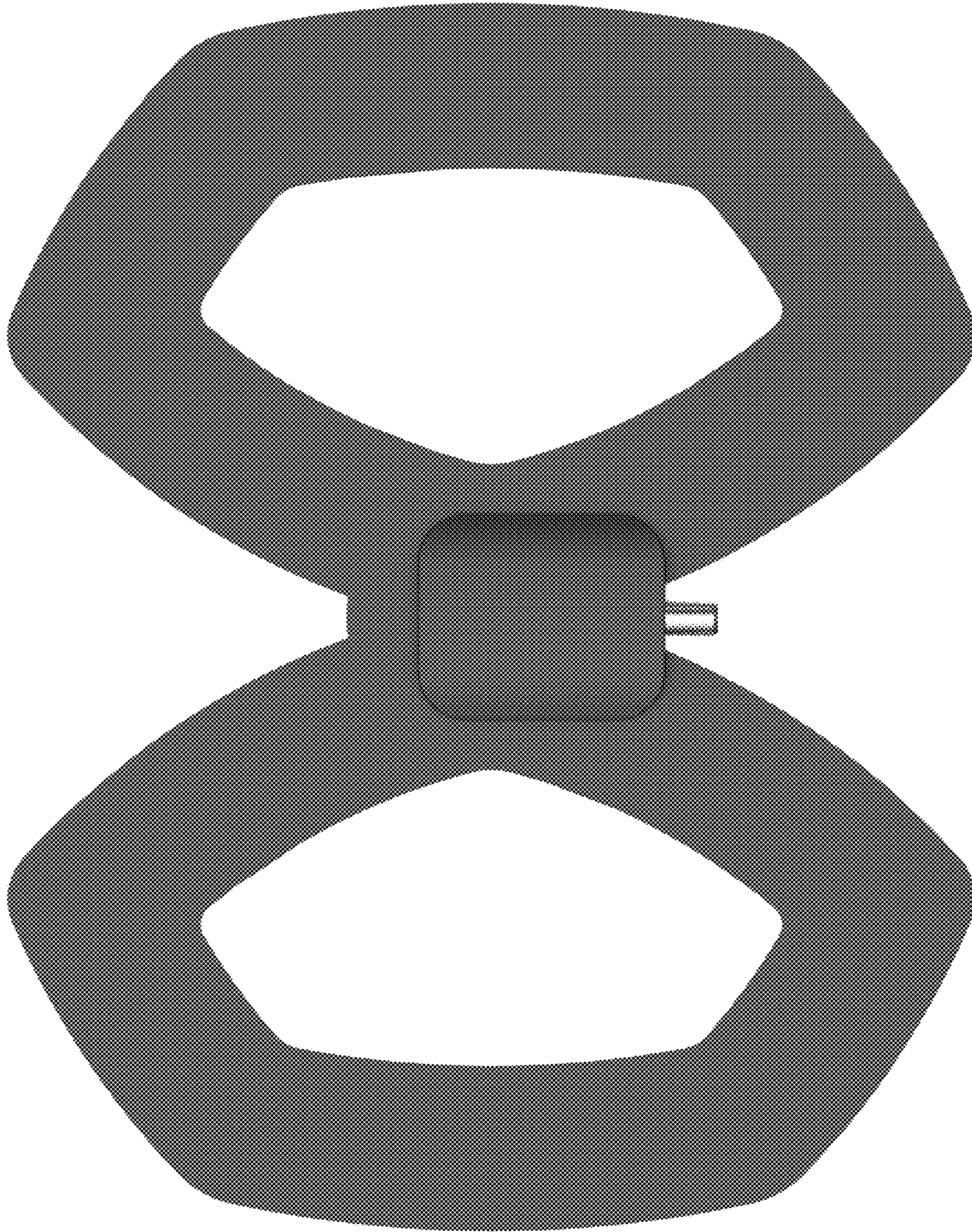


FIG. 4

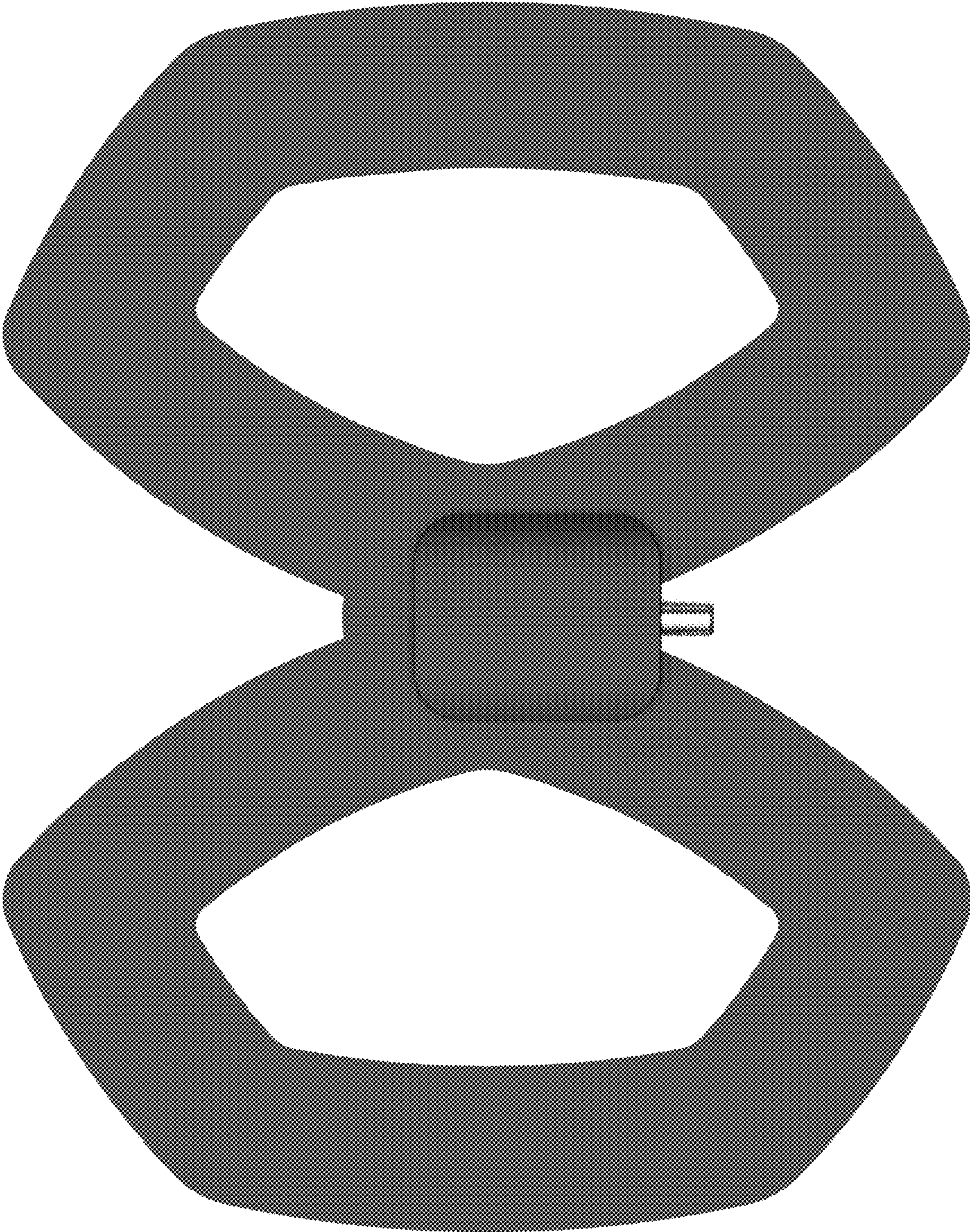


FIG. 5

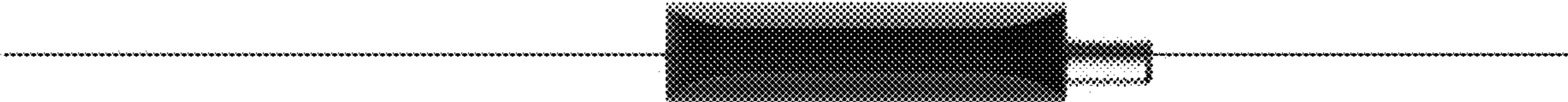


FIG. 6



FIG. 7

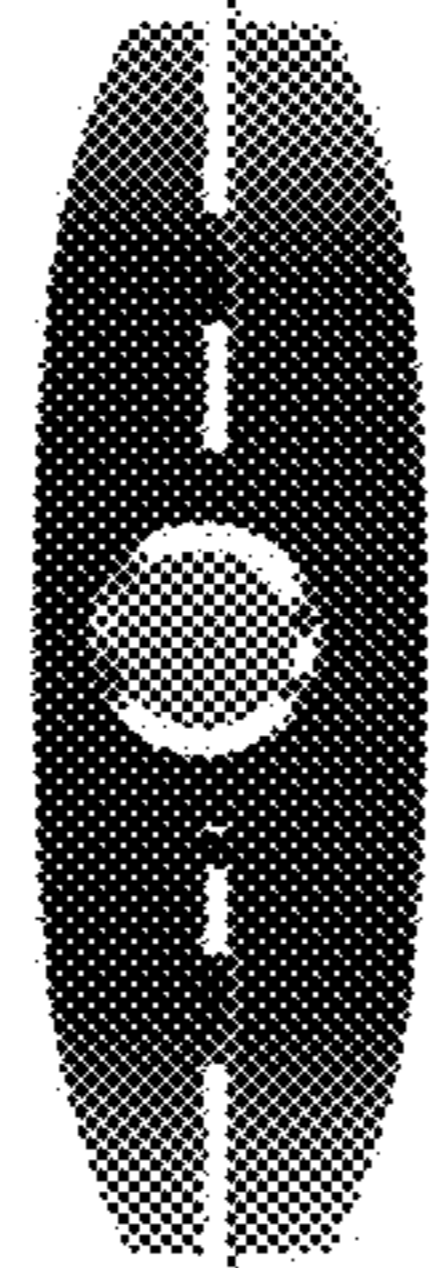


FIG. 8

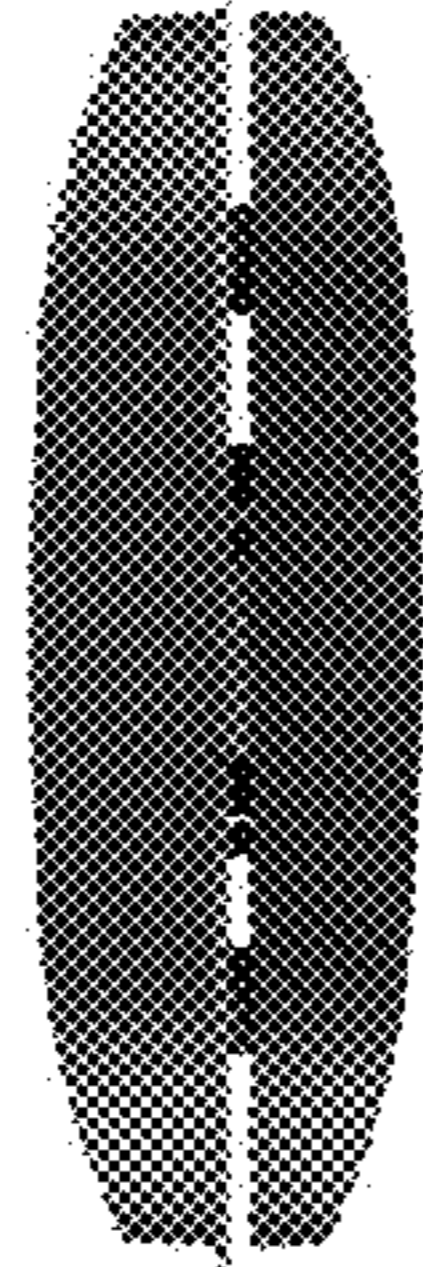


FIG. 9