



US00D849722S

(12) **United States Design Patent** (10) **Patent No.:** **US D849,722 S**
Yang (45) **Date of Patent:** **** May 28, 2019**

(54) **ANTENNA**

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

(21) Appl. No.: **29/604,982**

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(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 |

(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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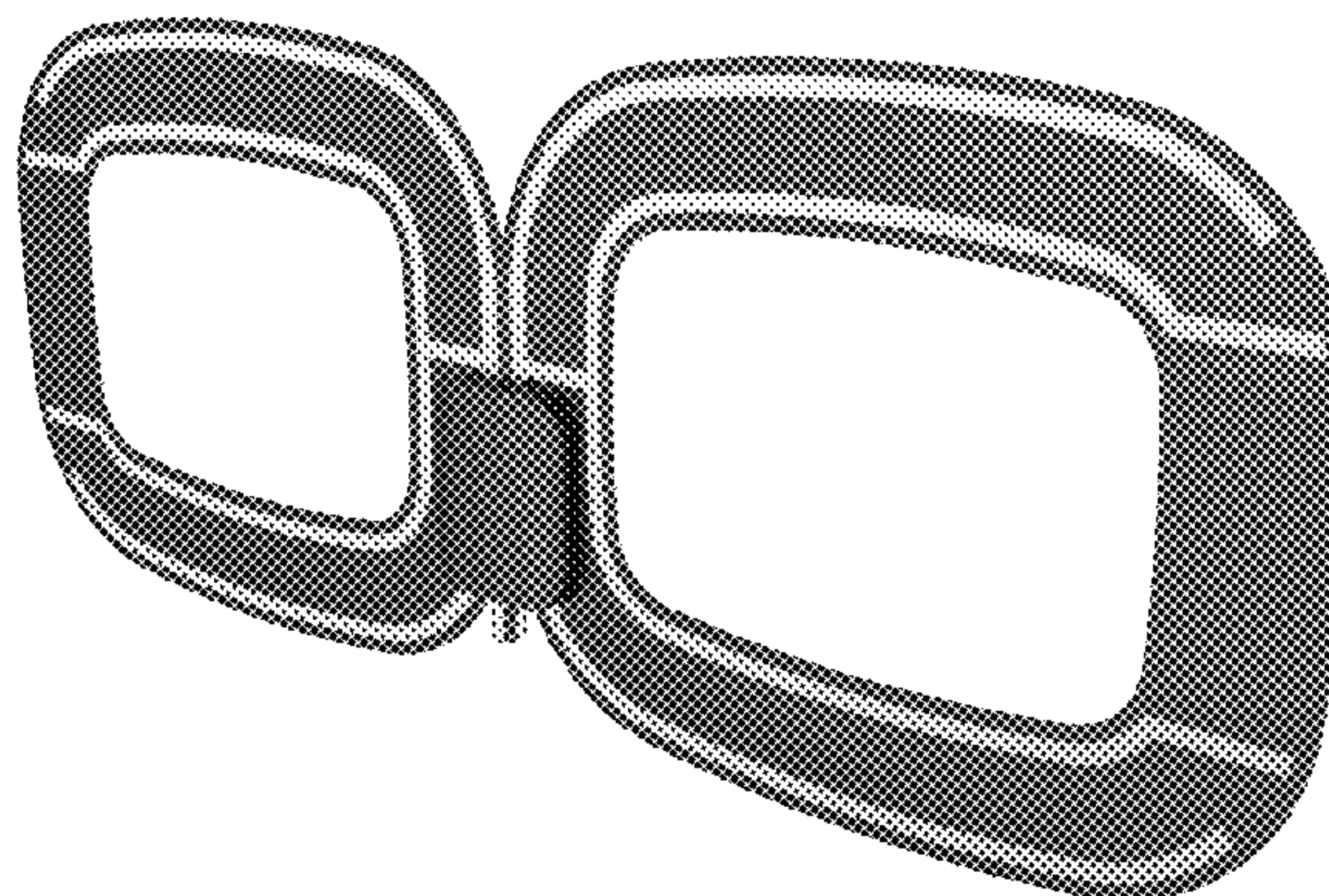
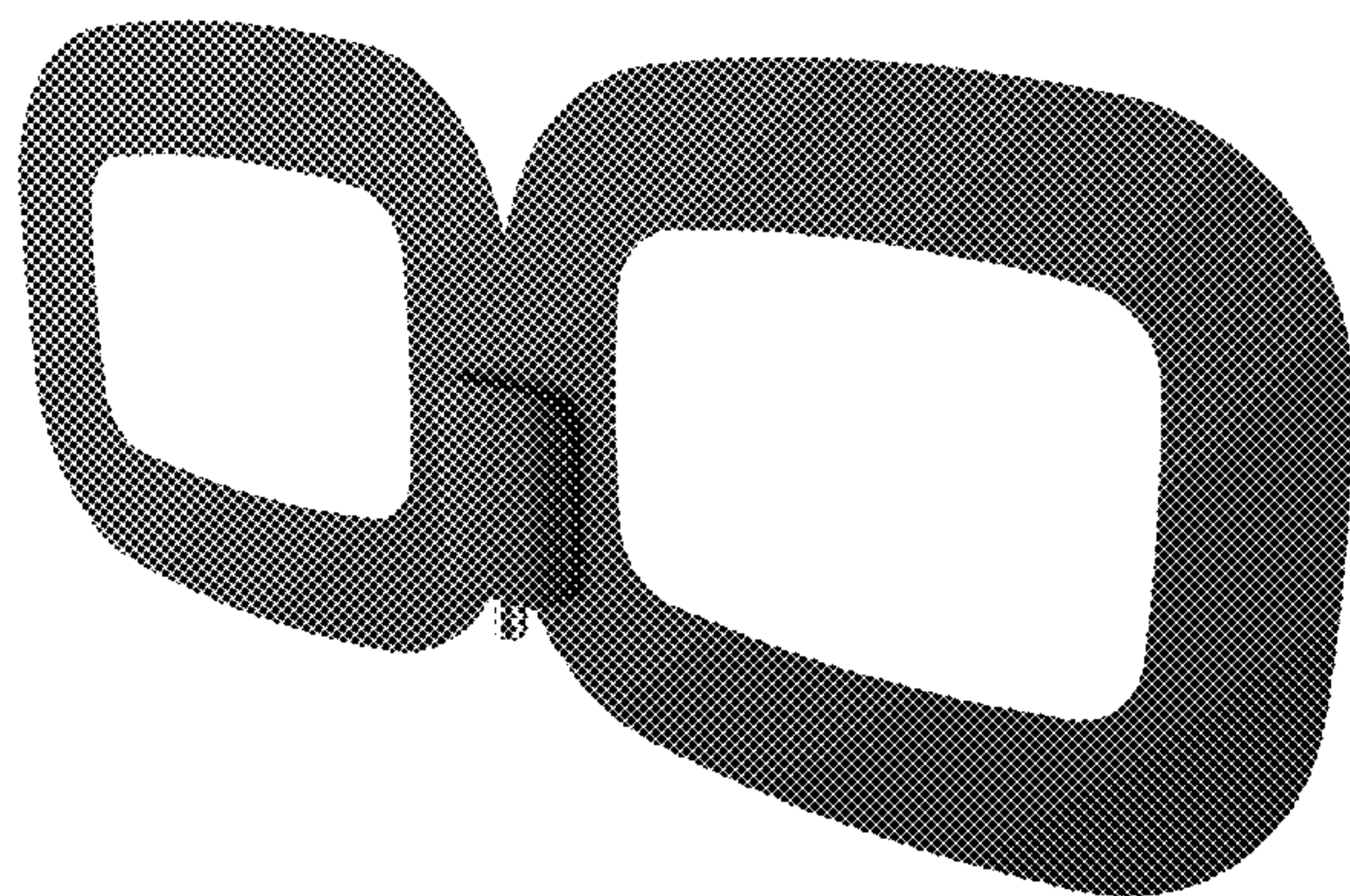
(57) **CLAIM**

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, top, left 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; FIG. 9 is a top plan view thereof; FIG. 10 is a front, top, right perspective view of a second embodiment of an antenna showing my new design; FIG. 11 is a front, top, left perspective view thereof; FIG. 12 is a front, bottom perspective view thereof; FIG. 13 is a front elevational view thereof; FIG. 14 is a rear elevational view thereof; FIG. 15 is a right side view thereof; FIG. 16 is a left side view thereof; FIG. 17 is a bottom plan view thereof; and, FIG. 18 is a top plan view thereof.

1 Claim, 18 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,184,163 A * 1/1980 Woodward H01Q 21/24
343/742
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
7,471,246 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
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/B011N2777A>>, [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

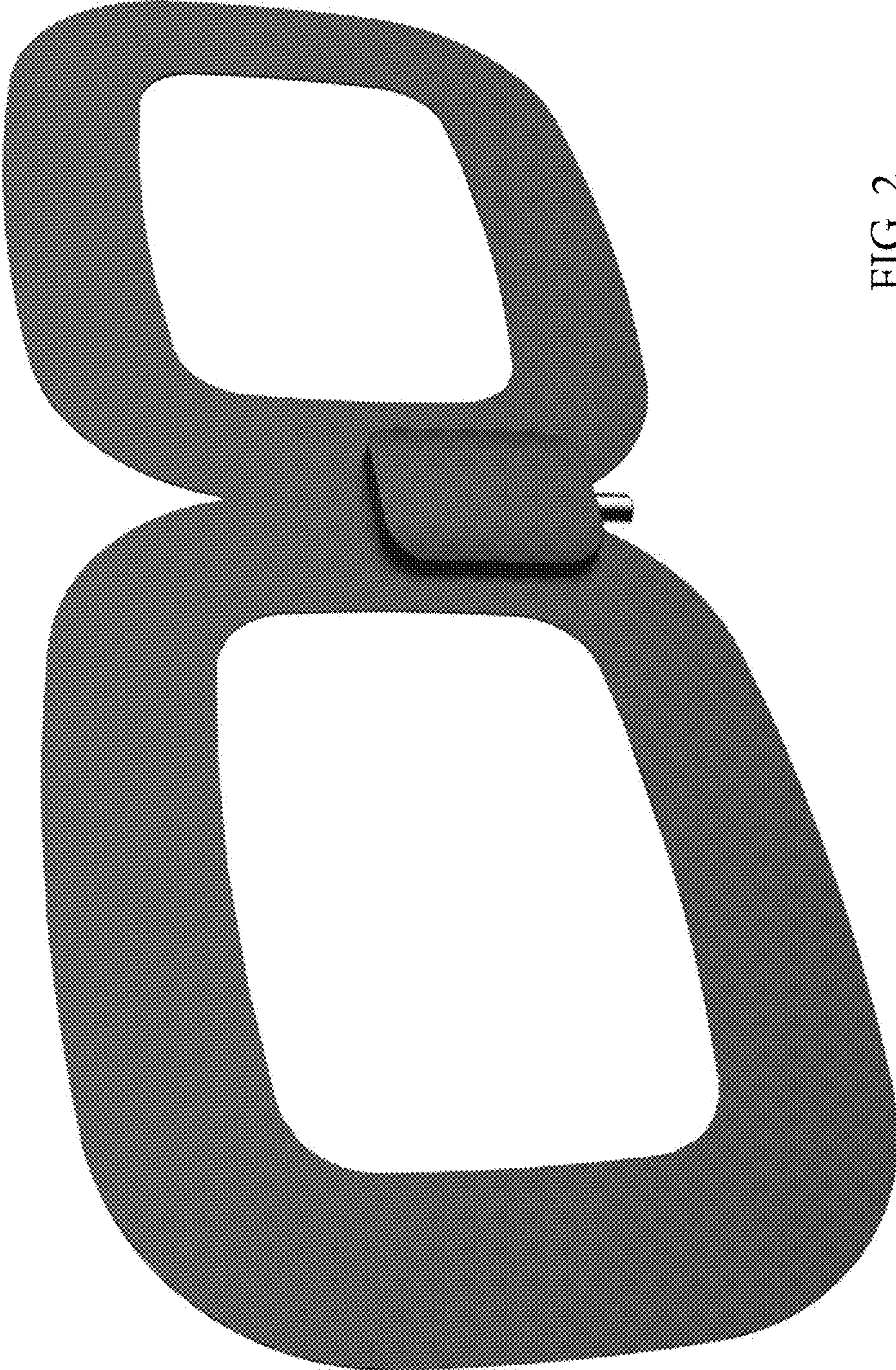


FIG. 2

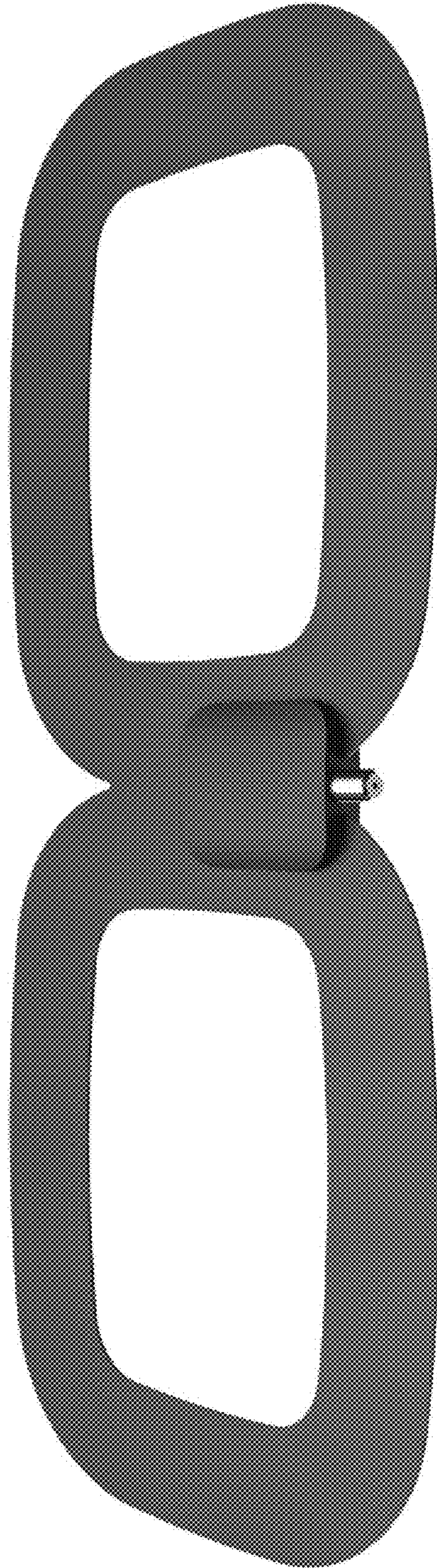


FIG. 3

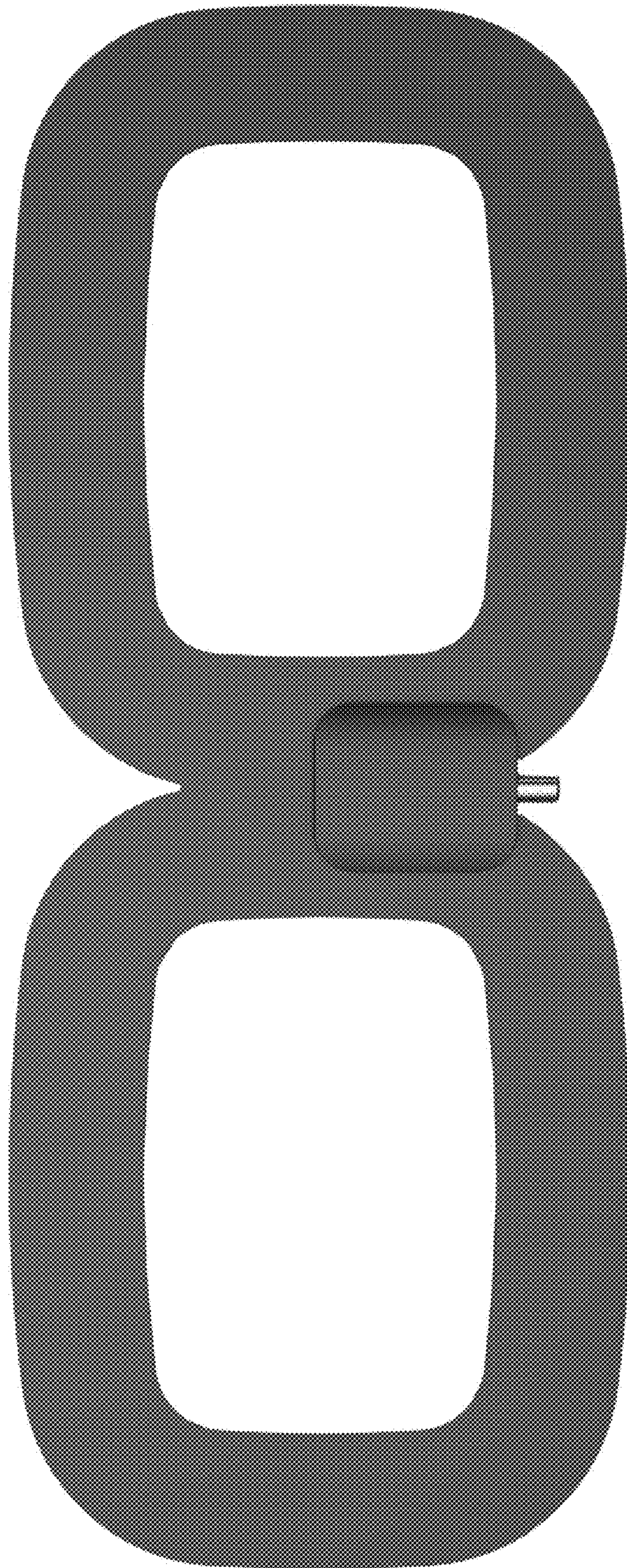


FIG. 4

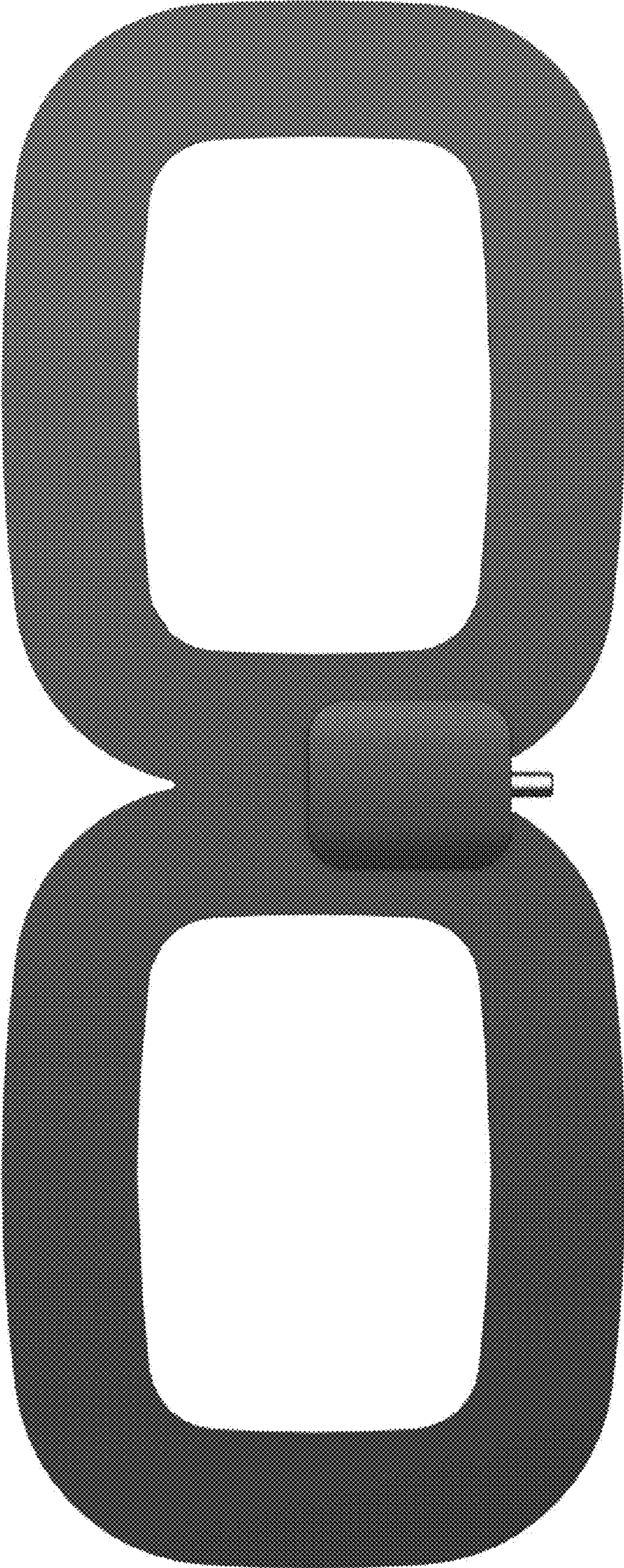


FIG. 5

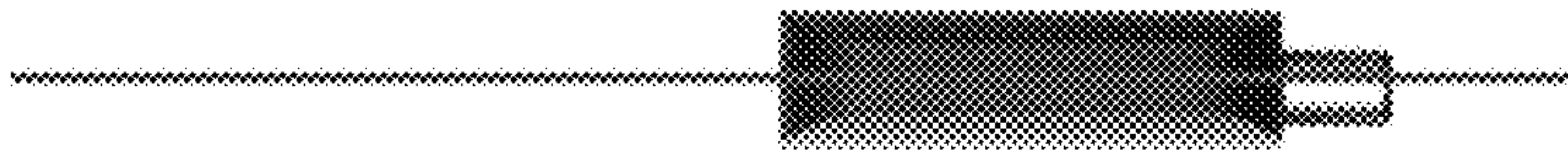


Fig. 6

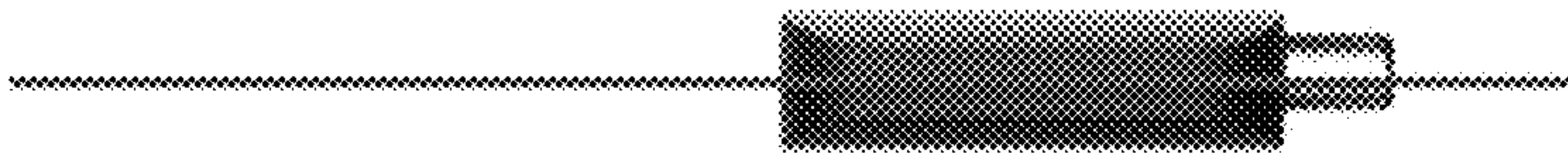


Fig. 7

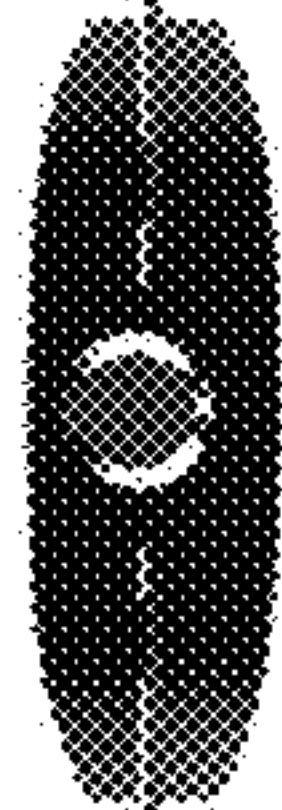


FIG. 8

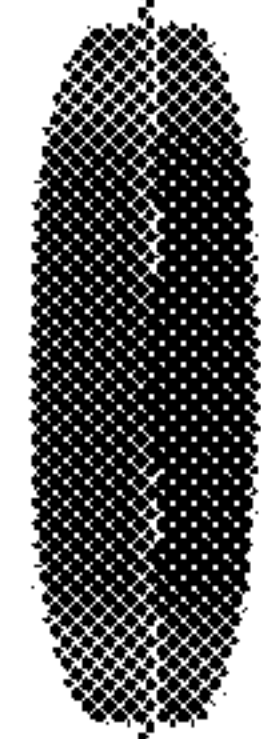


FIG. 9

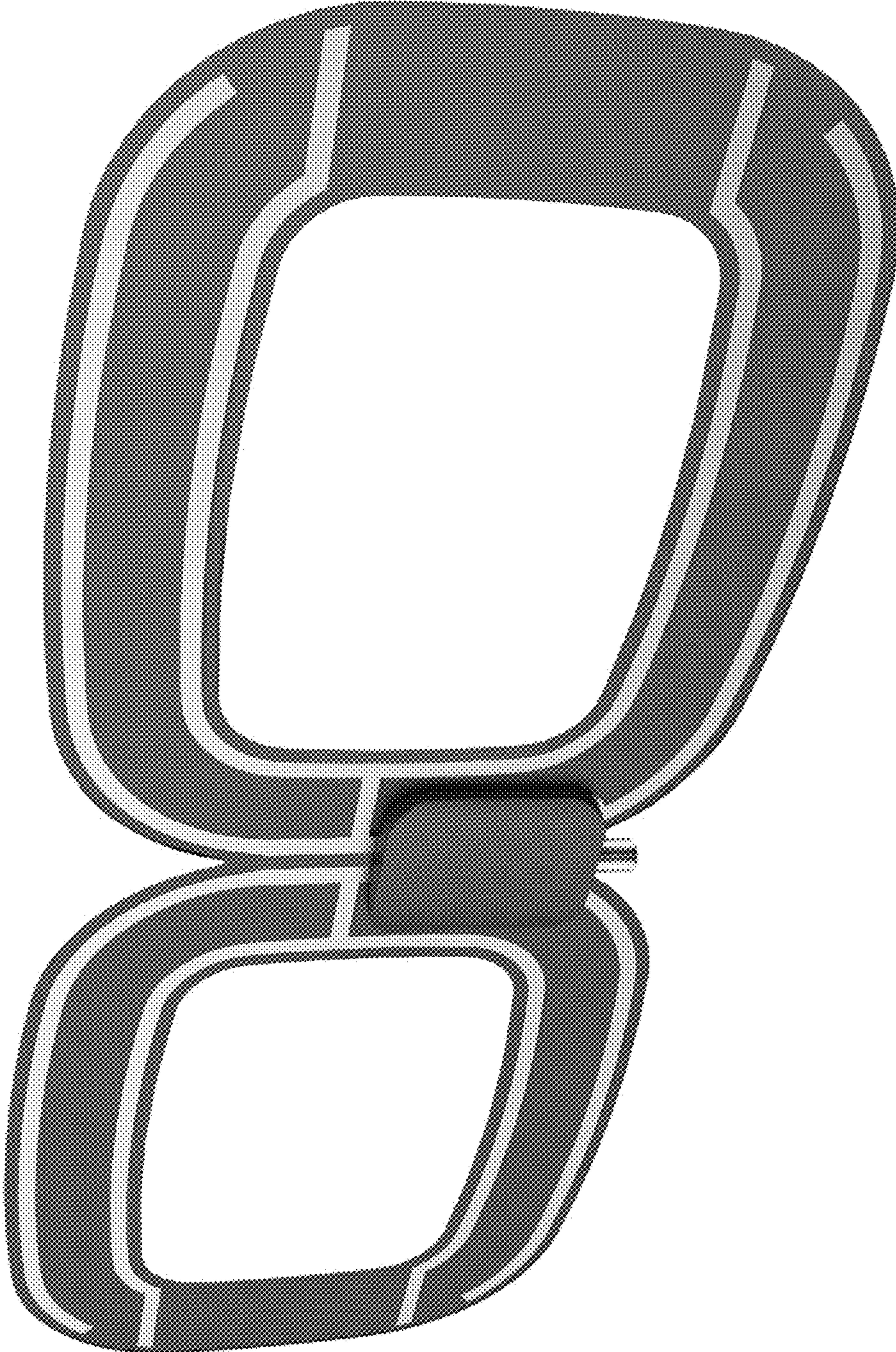


Fig. 10

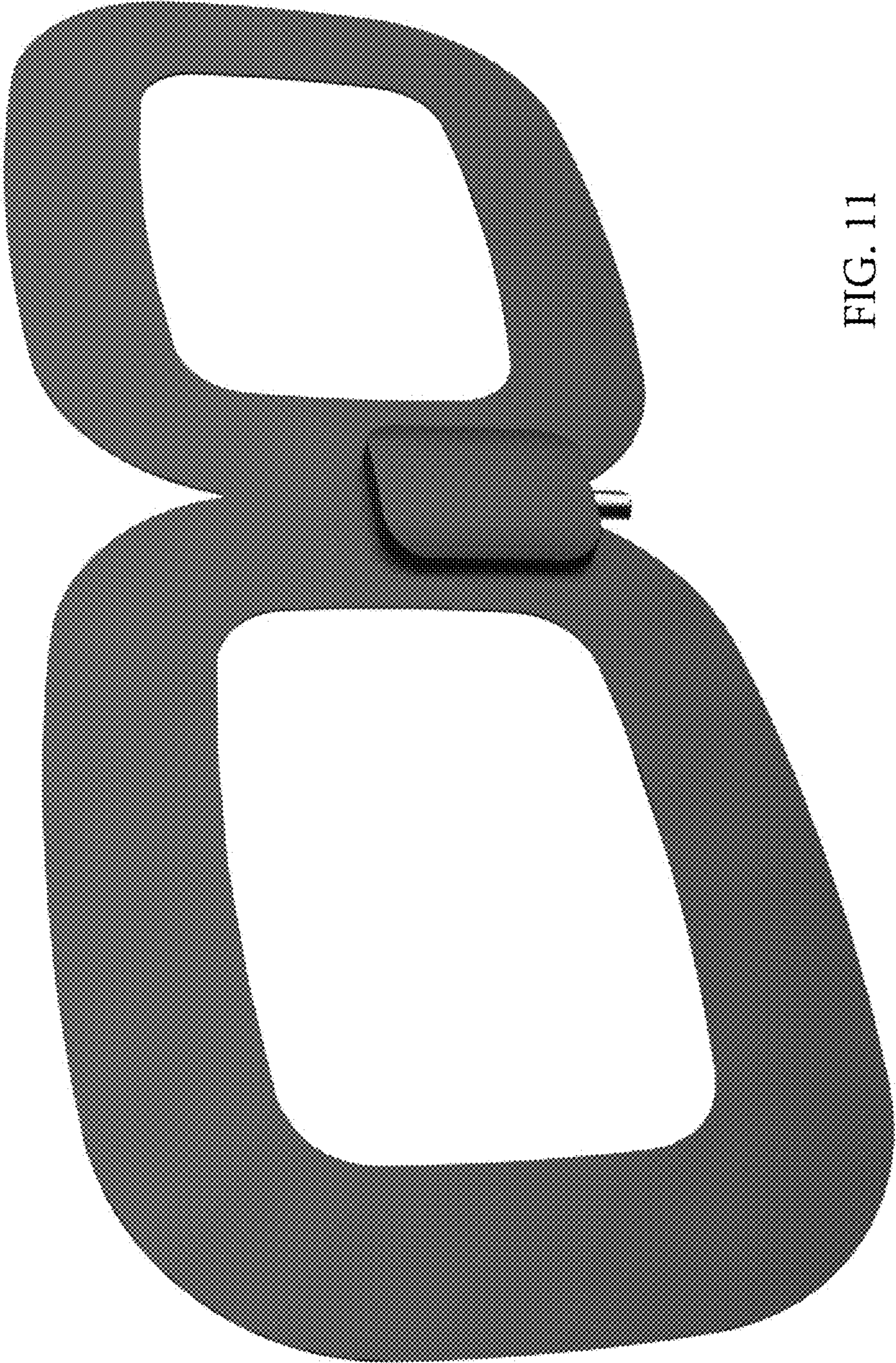


FIG. 11

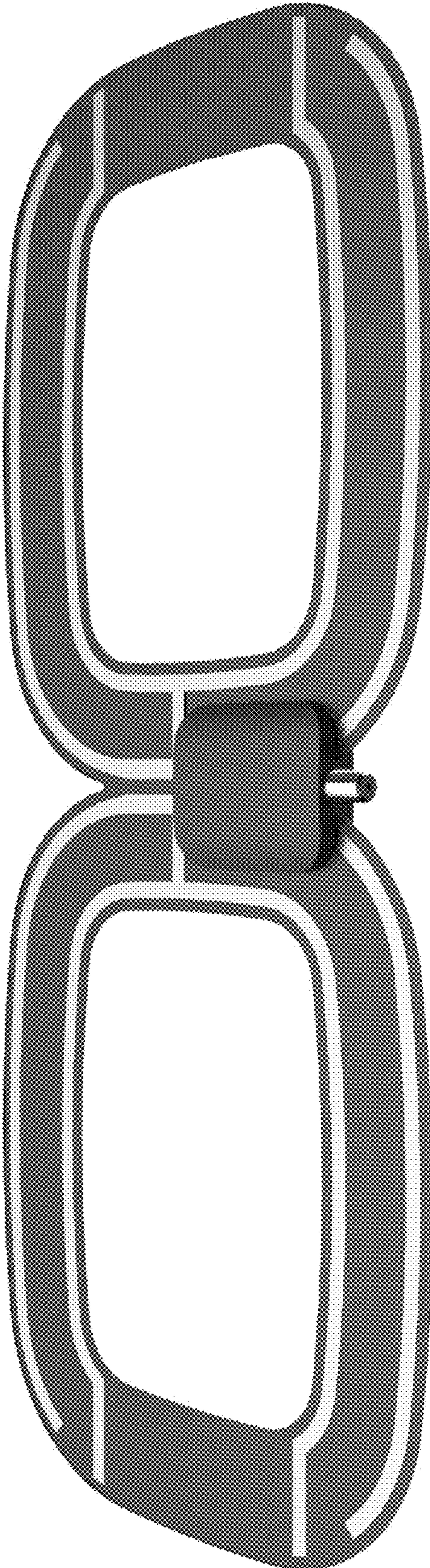


Fig. 12

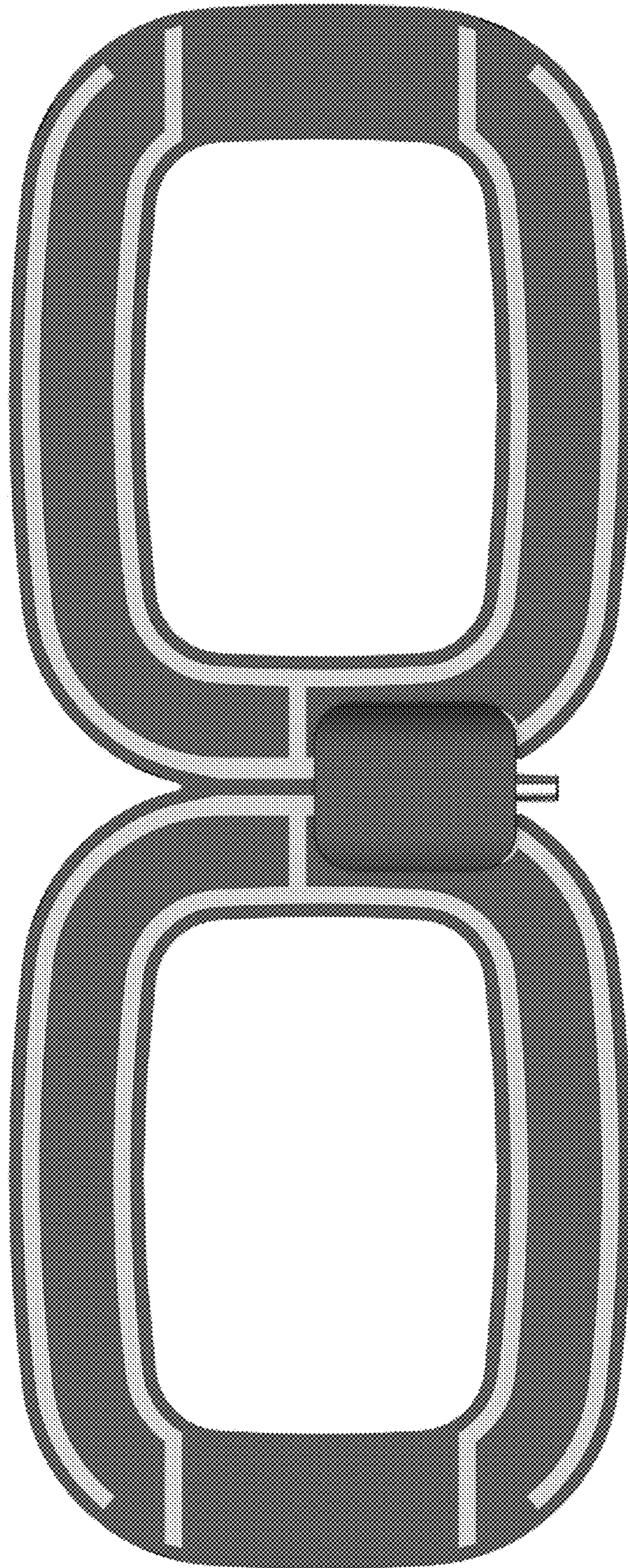


FIG. 13

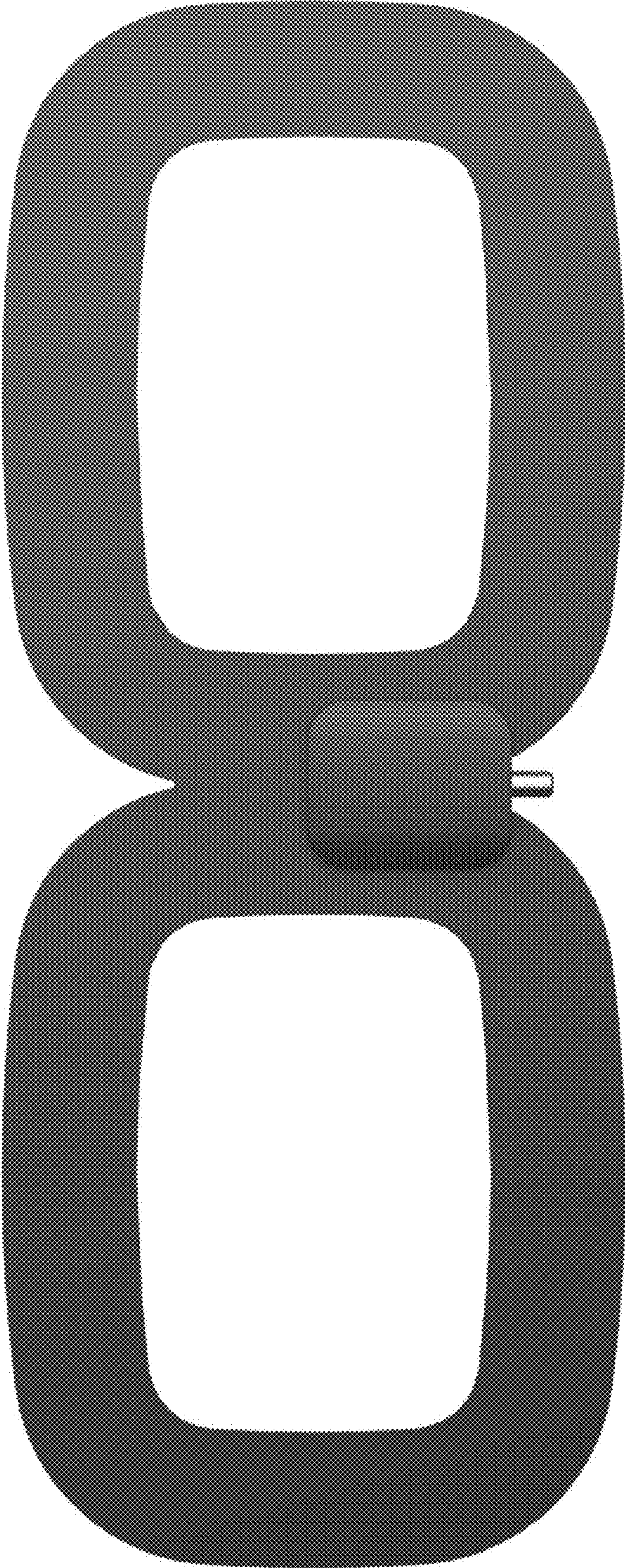


FIG. 14

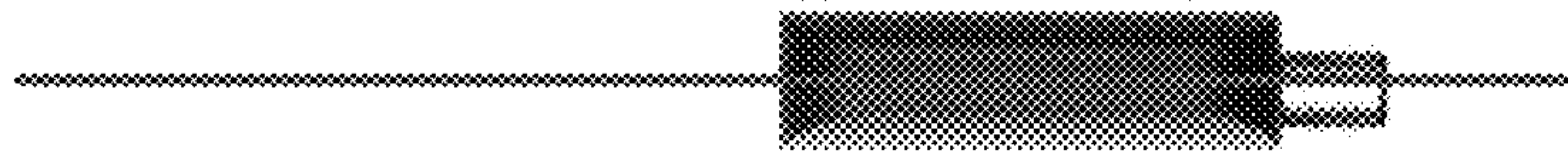


Fig. 15

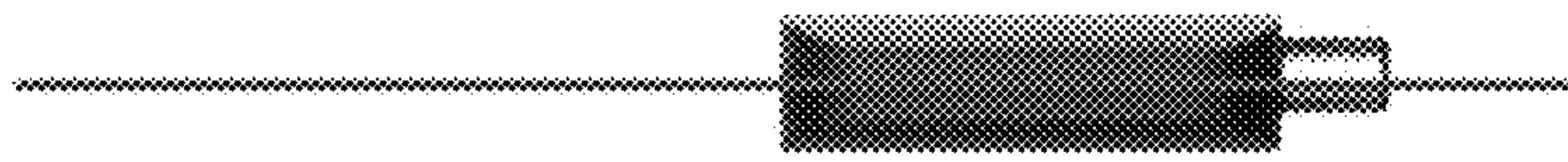


Fig. 16

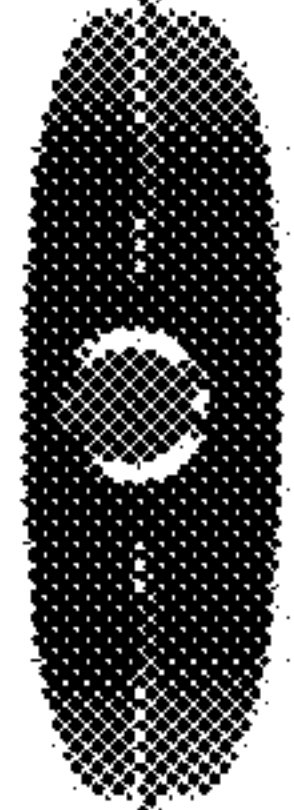


FIG. 17

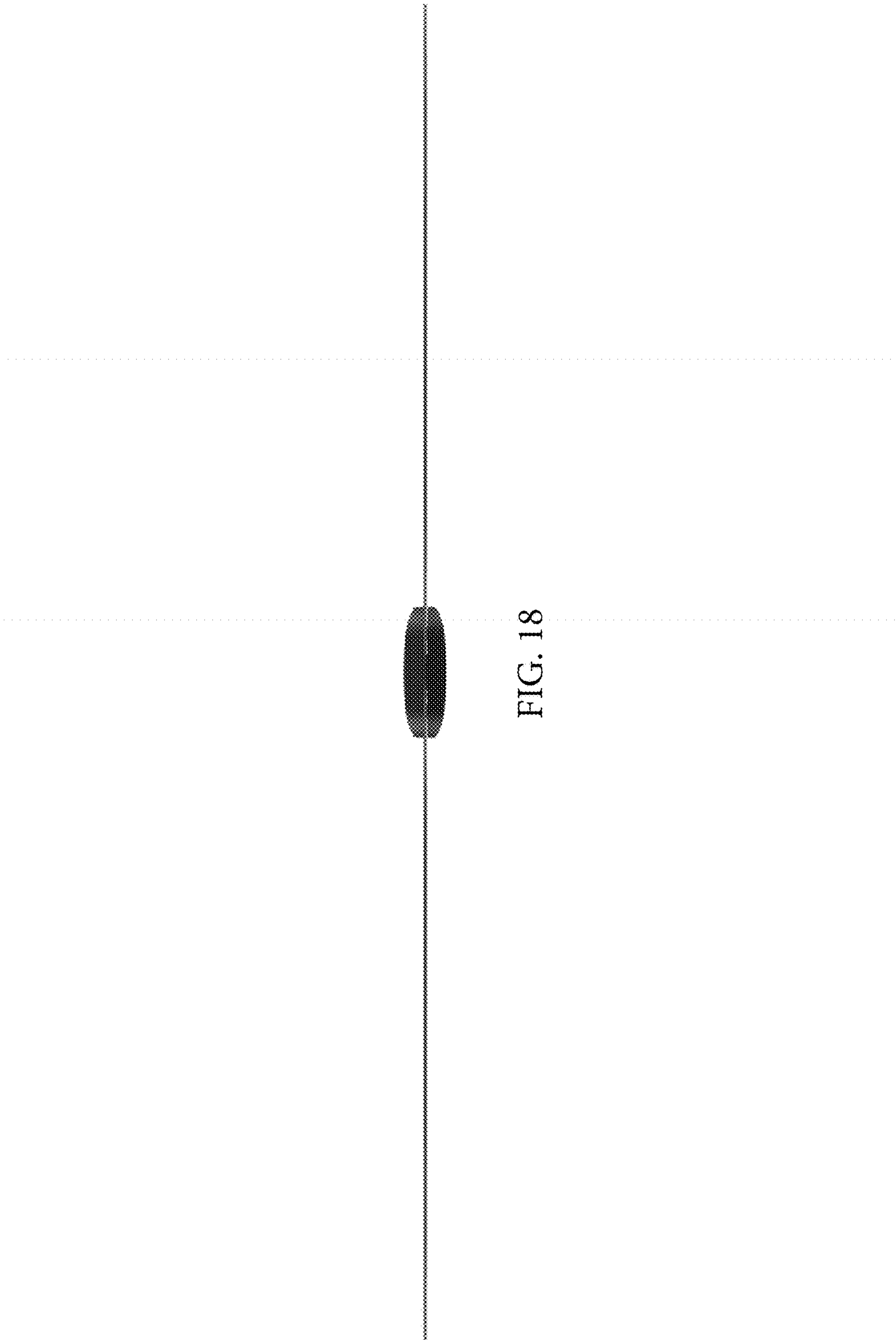


FIG. 18