



US00D826751S

(12) **United States Design Patent** (10) **Patent No.:** **US D826,751 S**  
**Fornoff et al.** (45) **Date of Patent:** **\*\* \*Aug. 28, 2018**

(54) **APPARATUS FOR BREATH ANALYSIS**

**DESCRIPTION**

- (71) Applicant: **Robert Bosch GmbH**, Stuttgart (DE)
- (72) Inventors: **Dieter Fornoff**, Darmstadt (DE);  
**Torsten Richter**, Darmstadt (DE)
- (73) Assignee: **Robert Bosch GmbH**, Stuttgart (DE)
- (\*) Notice: This patent is subject to a terminal disclaimer.
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/590,170**
- (22) Filed: **Jan. 8, 2017**

(30) **Foreign Application Priority Data**

Jul. 11, 2016 (EM) ..... 003301563

(51) **LOC (11) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/81**

(58) **Field of Classification Search**  
USPC ..... D10/78, 81

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 4,656,008 A \* 4/1987 Gump ..... G01N 21/783  
422/86
- 4,825,874 A \* 5/1989 Uhlemann ..... A61B 5/02438  
600/509

(Continued)

*Primary Examiner* — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Maginot, Moore & Beck LLP

(57) **CLAIM**

The ornamental design for an apparatus for breath analysis, as shown and described.

The file of this patent contains at least one drawing executed in color. Copies of this patent with color drawings will be provided by the Office upon request and payment of the necessary fee.

Cross reference is made to copending U.S. design patent application Ser. No. 29/590,161 entitled "Apparatus for Breath Analysis" by Fornoff et al. filed on even date herewith; U.S. design patent application Ser. No. 29/590,162 entitled "Apparatus for Breath Analysis" by Fornoff et al. filed on even date herewith; U.S. design patent application Ser. No. 29/590,163 entitled "Apparatus for Breath Analysis" by Fornoff et al. filed on even date herewith; U.S. design patent application Ser. No. 29/590,164 entitled "Display Screen with an Animated Graphical User Interface" by Fornoff et al. filed on even date herewith; U.S. design patent application Ser. No. 29/590,165 entitled "Display Screen with a Graphical User Interface" by Fornoff et al. filed on even date herewith; U.S. design patent application Ser. No. 29/590,167 entitled "Mouthpiece for a Breath Analysis Apparatus" by Fornoff et al. filed on even date herewith; and U.S. design patent application Ser. No. 29/590,172 entitled "Translucent Mouthpiece for a Breath Analysis Apparatus" by Fornoff et al. filed on even date herewith.

FIG. 1 is a perspective view of a first embodiment of an apparatus for breath analysis showing our new design;

FIG. 2 is a bottom plan view of the apparatus for breath analysis of FIG. 1;

FIG. 3 is a top plan view of the apparatus for breath analysis of FIG. 1;

FIG. 4 is a rear elevational view of the apparatus for breath analysis of FIG. 1;

FIG. 5 is a front elevational view of the apparatus for breath analysis of FIG. 1;

FIG. 6 is a right side elevational view of the apparatus for breath analysis of FIG. 1; and

FIG. 7 is a left side elevational view of the apparatus for breath analysis of FIG. 1.

FIG. 8 is a perspective view of a second embodiment of an apparatus for breath analysis showing our new design;

FIG. 9 is a bottom plan view of the apparatus for breath analysis of FIG. 8;

(Continued)

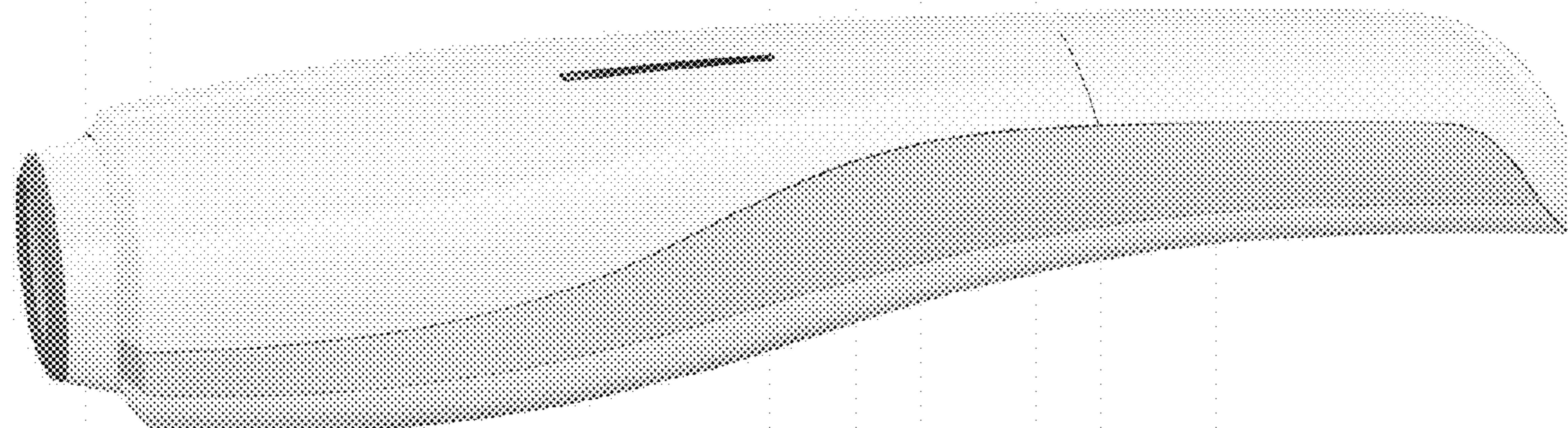


FIG. 10 is a top plan view of the apparatus for breath analysis of FIG. 8;  
 FIG. 11 is a rear elevational view of the apparatus for breath analysis of FIG. 8;  
 FIG. 12 is a front elevational view of the apparatus for breath analysis of FIG. 8;  
 FIG. 13 is a right side elevational view of the apparatus for breath analysis of FIG. 8; and  
 FIG. 14 is a left side elevational view of the apparatus for breath analysis of FIG. 8.  
 FIG. 15 is a perspective view of a third embodiment of an apparatus for breath analysis showing our new design;  
 FIG. 16 is a bottom plan view of the apparatus for breath analysis of FIG. 15;  
 FIG. 17 is a top plan view of the apparatus for breath analysis of FIG. 15;  
 FIG. 18 is a rear elevational view of the apparatus for breath analysis of FIG. 15;  
 FIG. 19 is a front elevational view of the apparatus for breath analysis of FIG. 15;  
 FIG. 20 is a right side elevational view of the apparatus for breath analysis of FIG. 15; and  
 FIG. 21 is a left side elevational view of the apparatus for breath analysis of FIG. 15.  
 FIG. 22 is a perspective view of a fourth embodiment of an apparatus for breath analysis showing our new design;  
 FIG. 23 is a bottom plan view of the apparatus for breath analysis of FIG. 22;  
 FIG. 24 is a top plan view of the apparatus for breath analysis of FIG. 22;  
 FIG. 25 is a rear elevational view of the apparatus for breath analysis of FIG. 22;  
 FIG. 26 is a front elevational view of the apparatus for breath analysis of FIG. 22;  
 FIG. 27 is a right side elevational view of the apparatus for breath analysis of FIG. 22; and  
 FIG. 28 is a left side elevational view of the apparatus for breath analysis of FIG. 22.  
 FIG. 29 is a perspective view of a fifth embodiment of an apparatus for breath analysis showing our new design;

FIG. 30 is a bottom plan view of the apparatus for breath analysis of FIG. 29;  
 FIG. 31 is a top plan view of the apparatus for breath analysis of FIG. 29;  
 FIG. 32 is a rear elevational view of the apparatus for breath analysis of FIG. 29;  
 FIG. 33 is a front elevational view of the apparatus for breath analysis of FIG. 29;  
 FIG. 34 is a right side elevational view of the apparatus for breath analysis of FIG. 29; and,  
 FIG. 35 is a left side elevational view of the apparatus for breath analysis of FIG. 29.

**1 Claim, 35 Drawing Sheets  
 (33 of 35 Drawing Sheet(s) Filed in Color)**

(58) **Field of Classification Search**

CPC ..... A61B 5/083; A61B 5/087; A61B 5/0833;  
 A61B 5/091; A61B 5/222; A61B 5/0002;  
 A61B 5/02438; A61B 5/08; G01N  
 33/497; G01N 33/4972; G01N 33/483;  
 G01N 33/98; G10L 17/00; Y10S 436/90  
 See application file for complete search history.

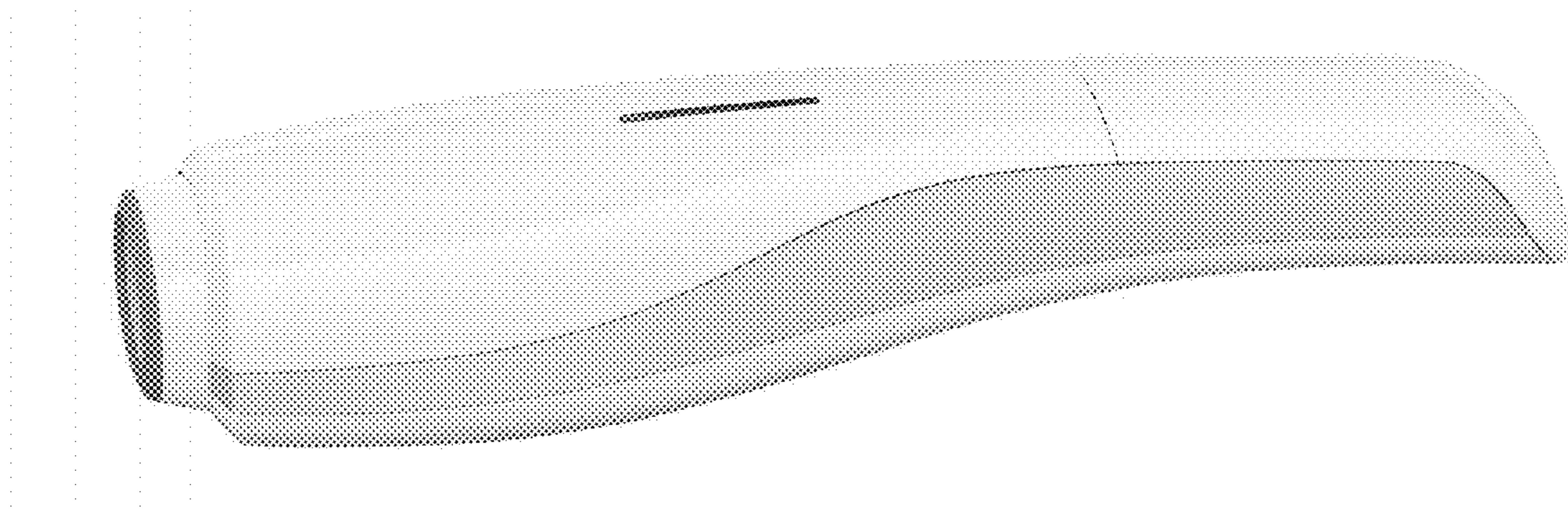
(56) **References Cited**

U.S. PATENT DOCUMENTS

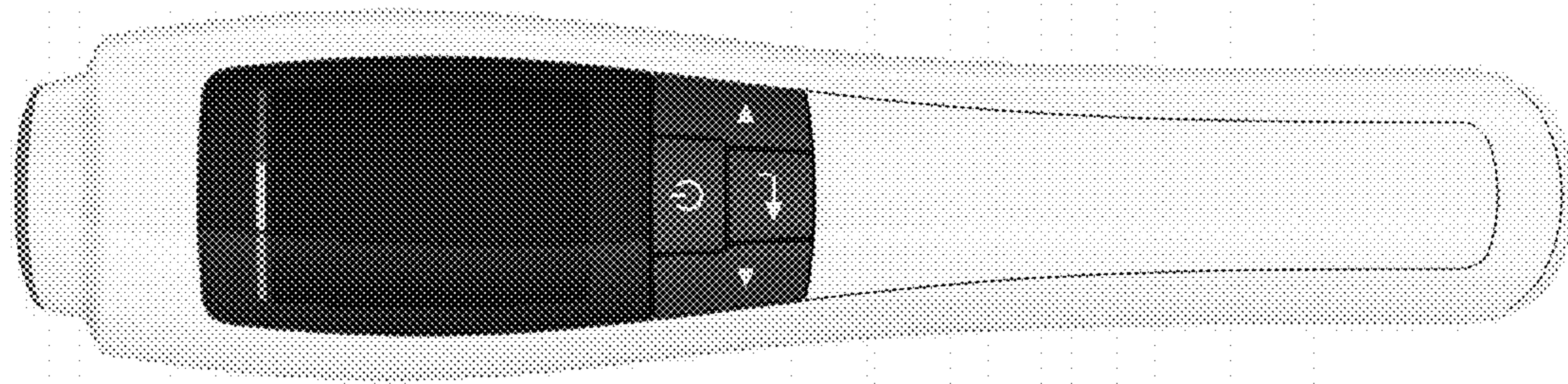
6,004,277	A *	12/1999	Maharaj .....	A61B 5/087 600/532
6,450,969	B1 *	9/2002	Farr .....	A61B 5/087 600/529
7,182,733	B2 *	2/2007	Sauerland .....	A61B 5/0002 181/131
8,517,938	B2 *	8/2013	Eisenhardt .....	A61B 5/0002 340/539.12
D749,441	S *	2/2016	Rekow .....	D10/78
D782,927	S *	4/2017	Nothacker .....	D10/81

\* cited by examiner

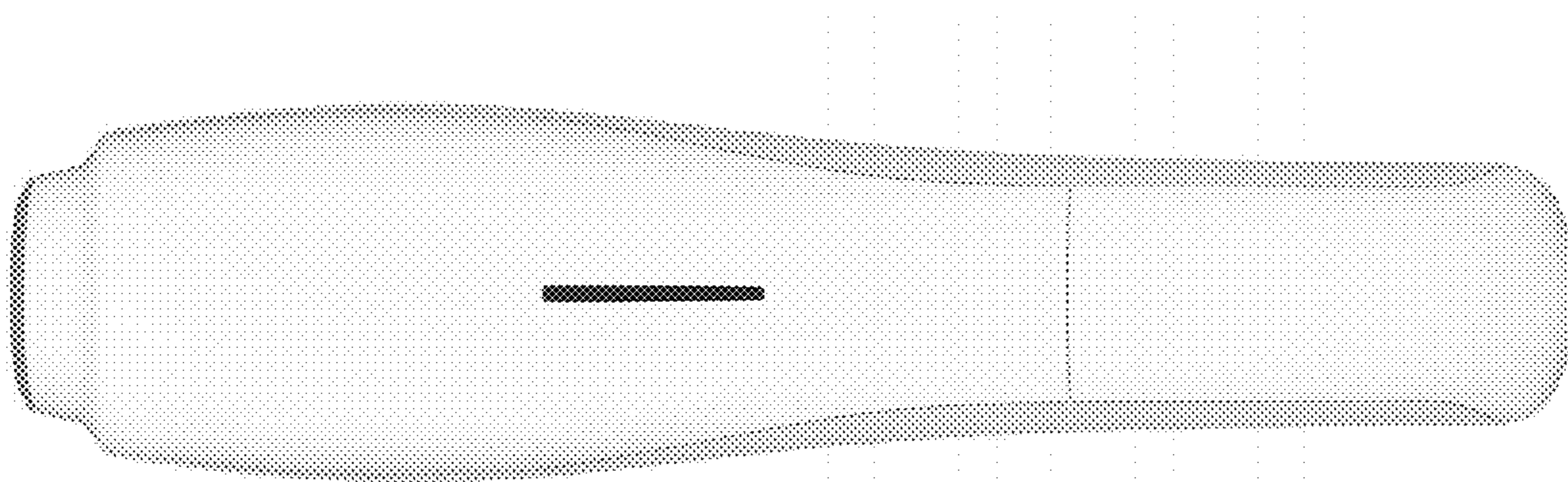




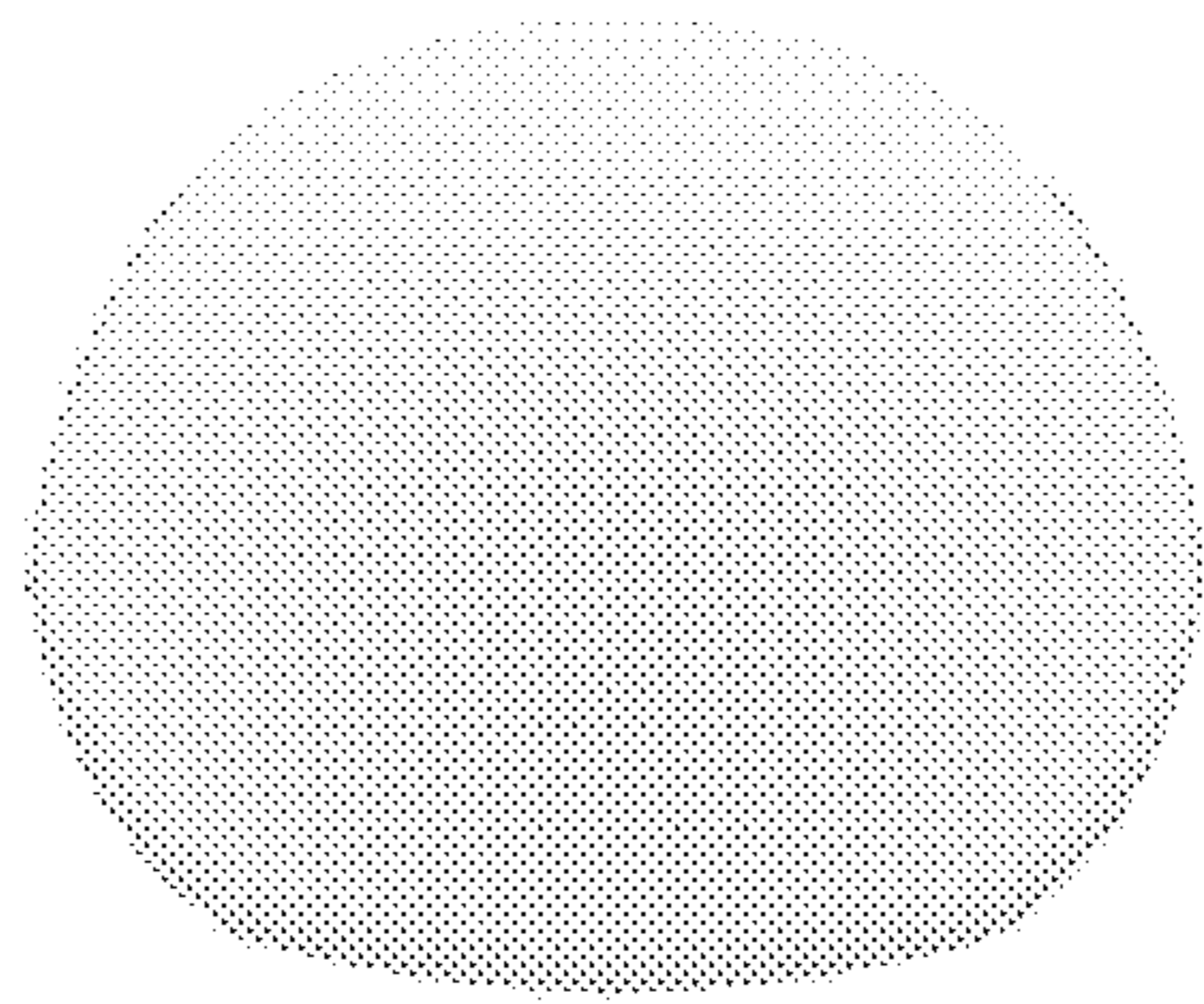
**FIG. 1**



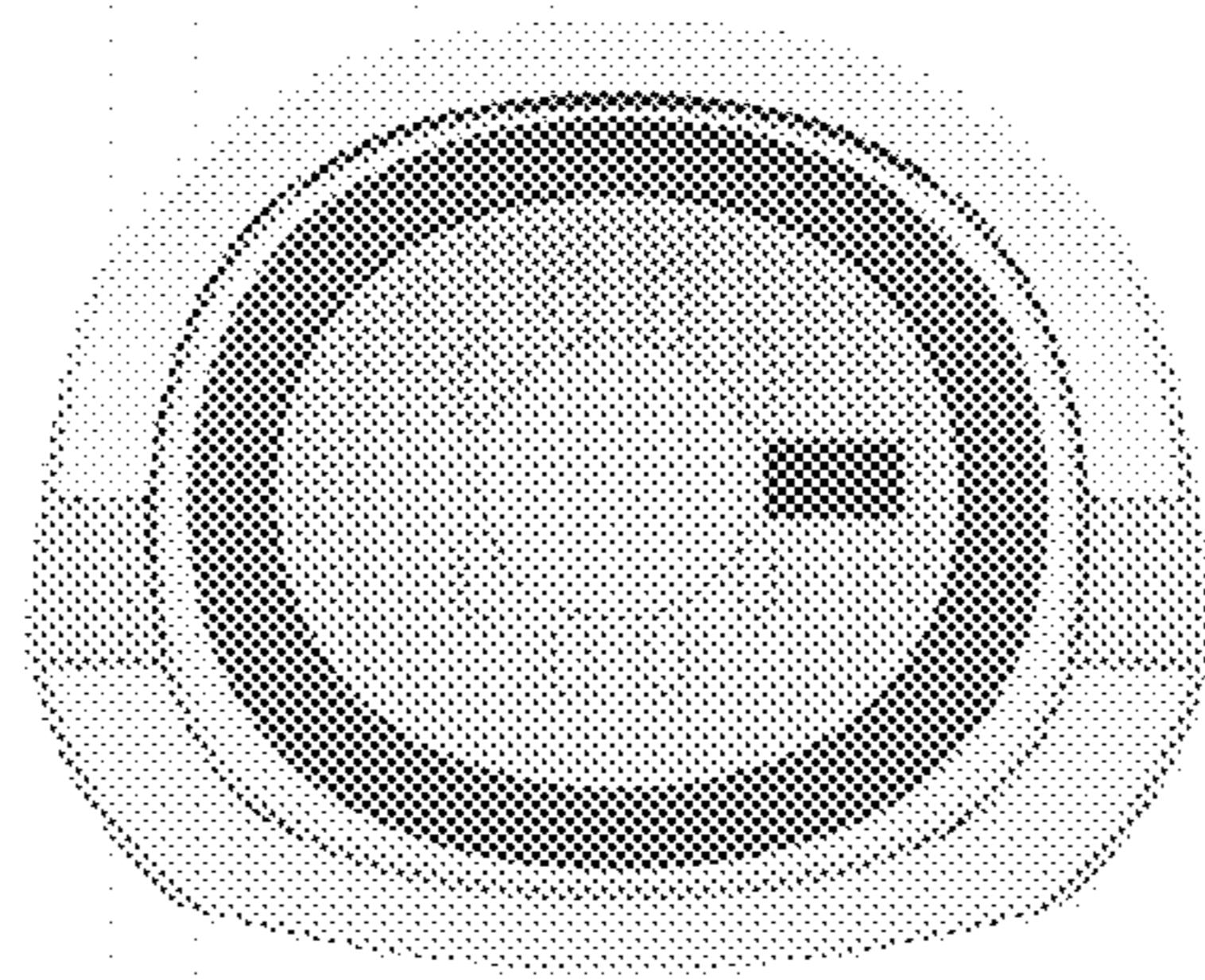
**FIG. 2**



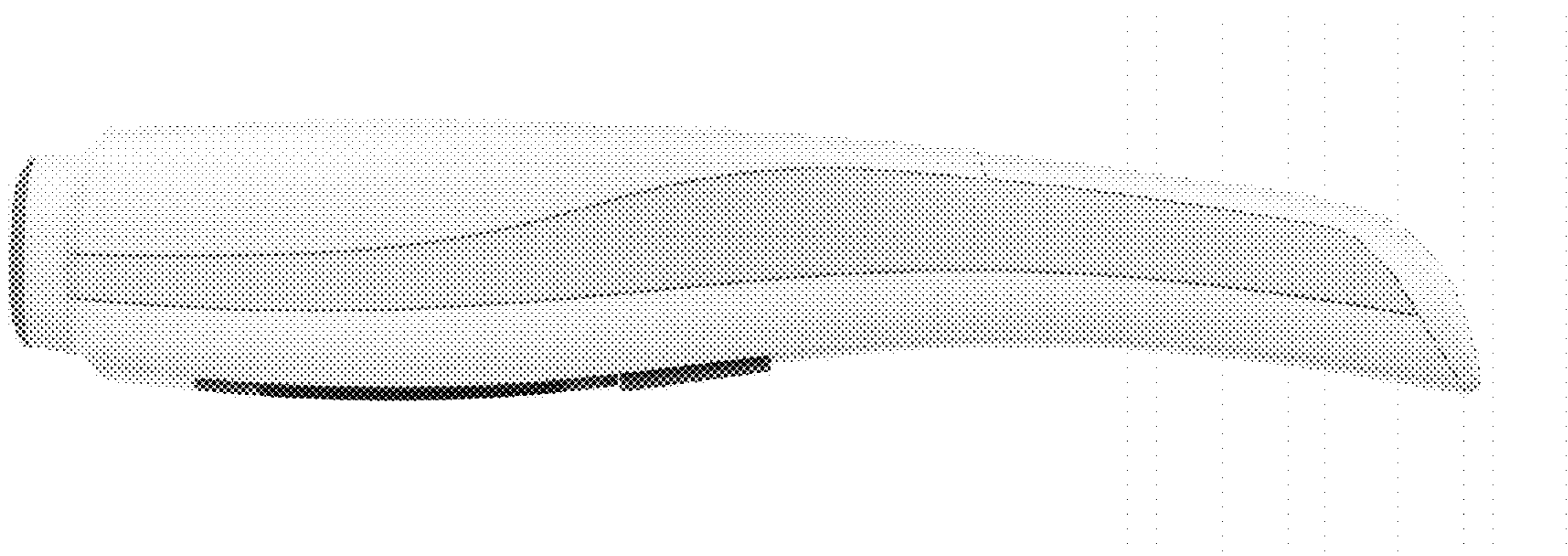
**FIG. 3**



***FIG. 4***

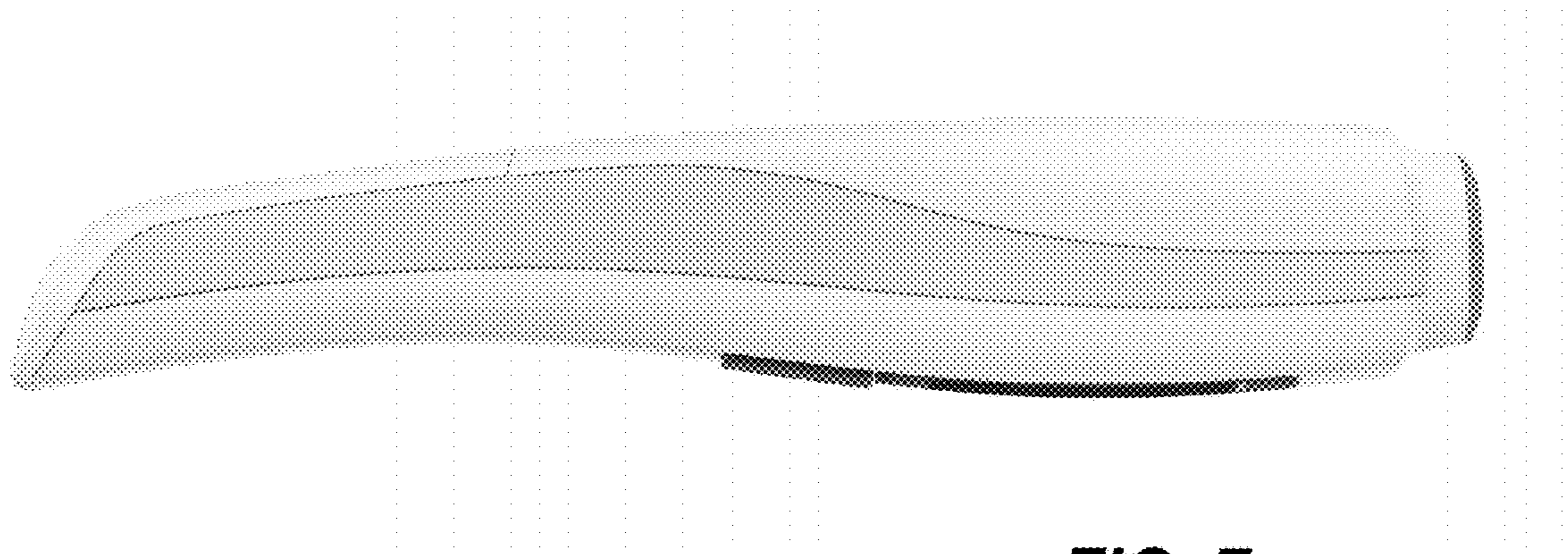


**FIG. 5**

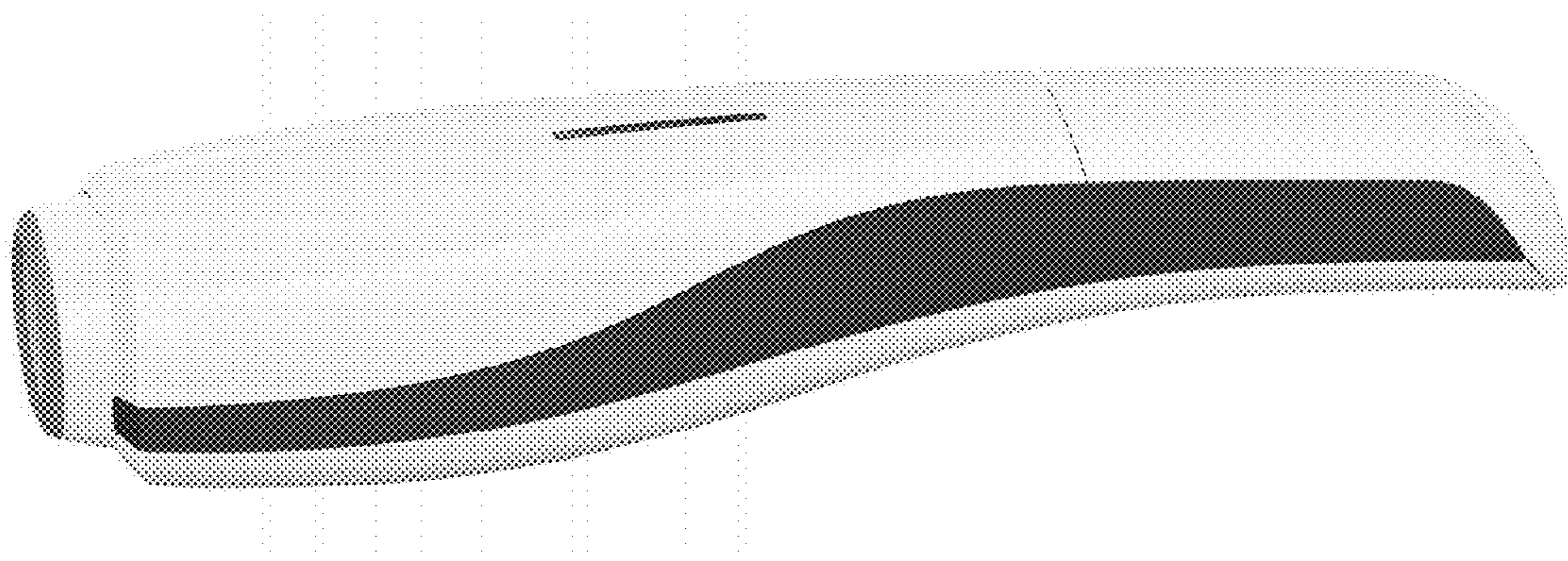


**FIG. 6**

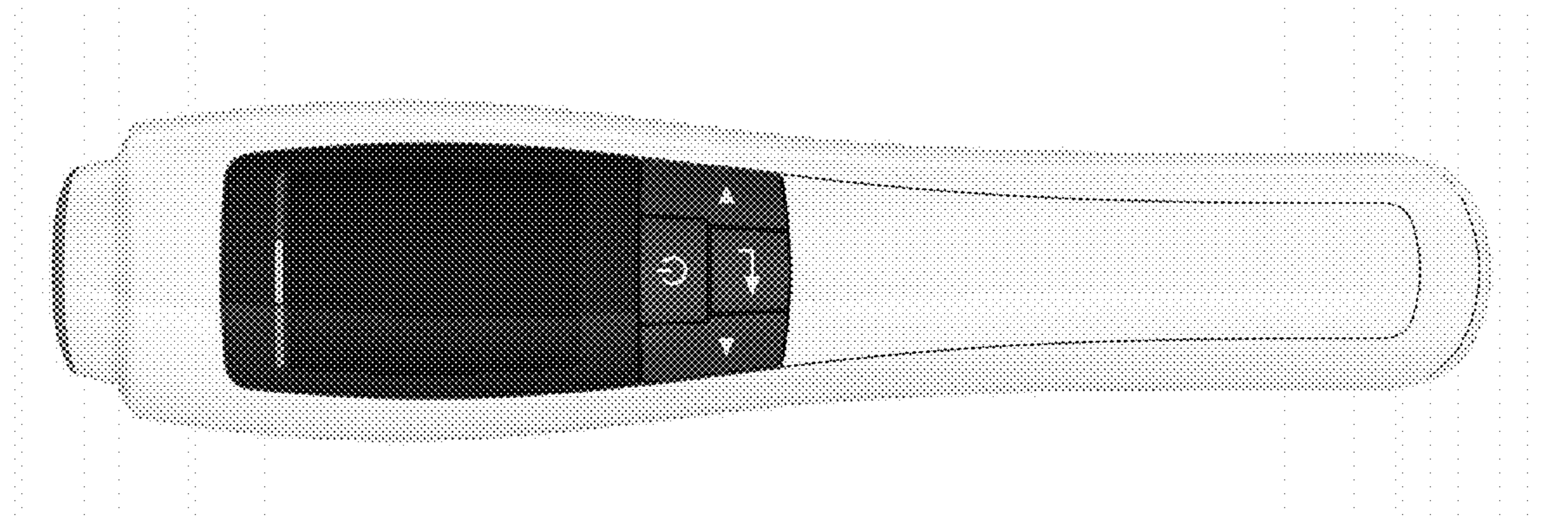




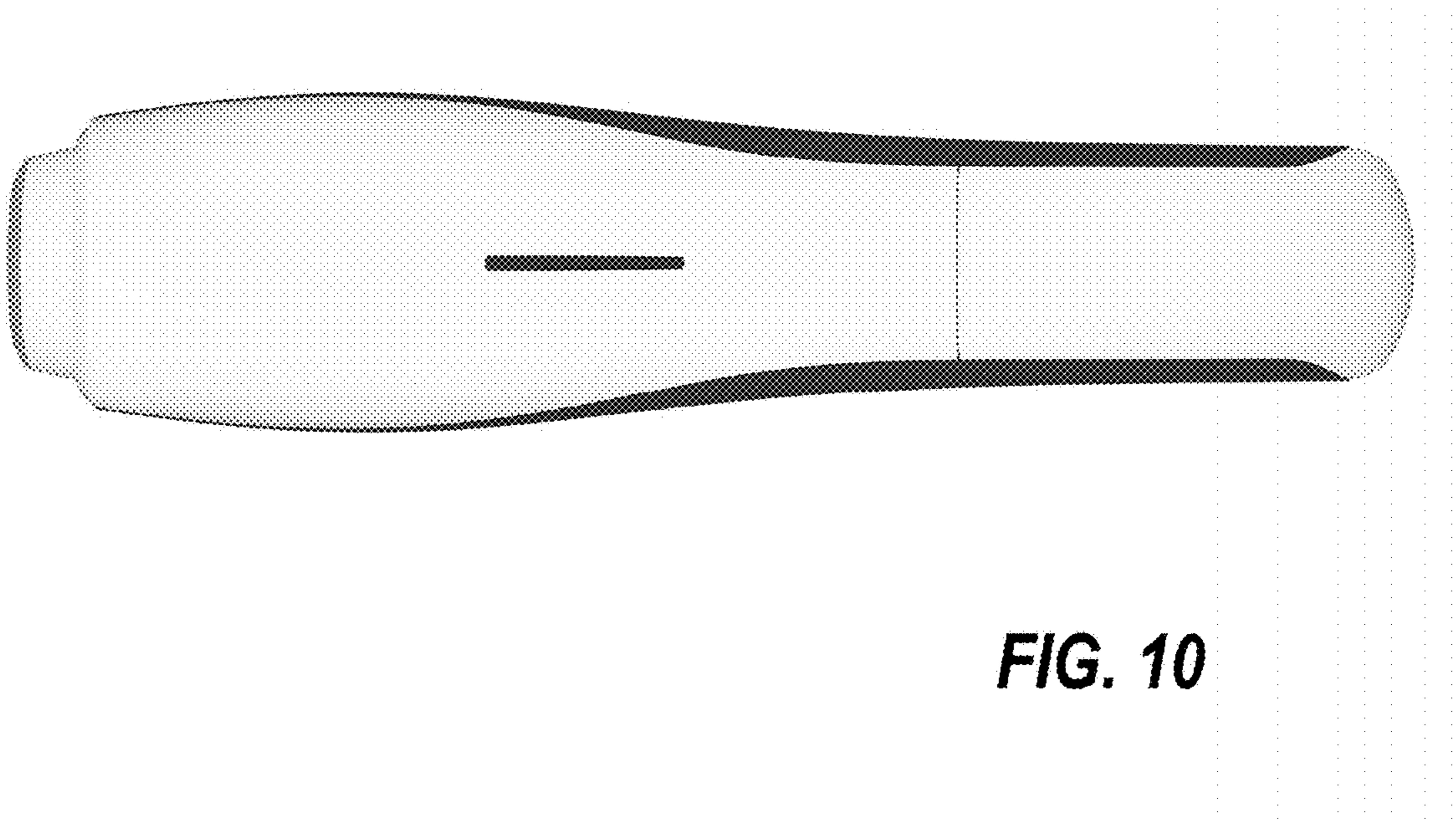
**FIG. 7**



**FIG. 8**

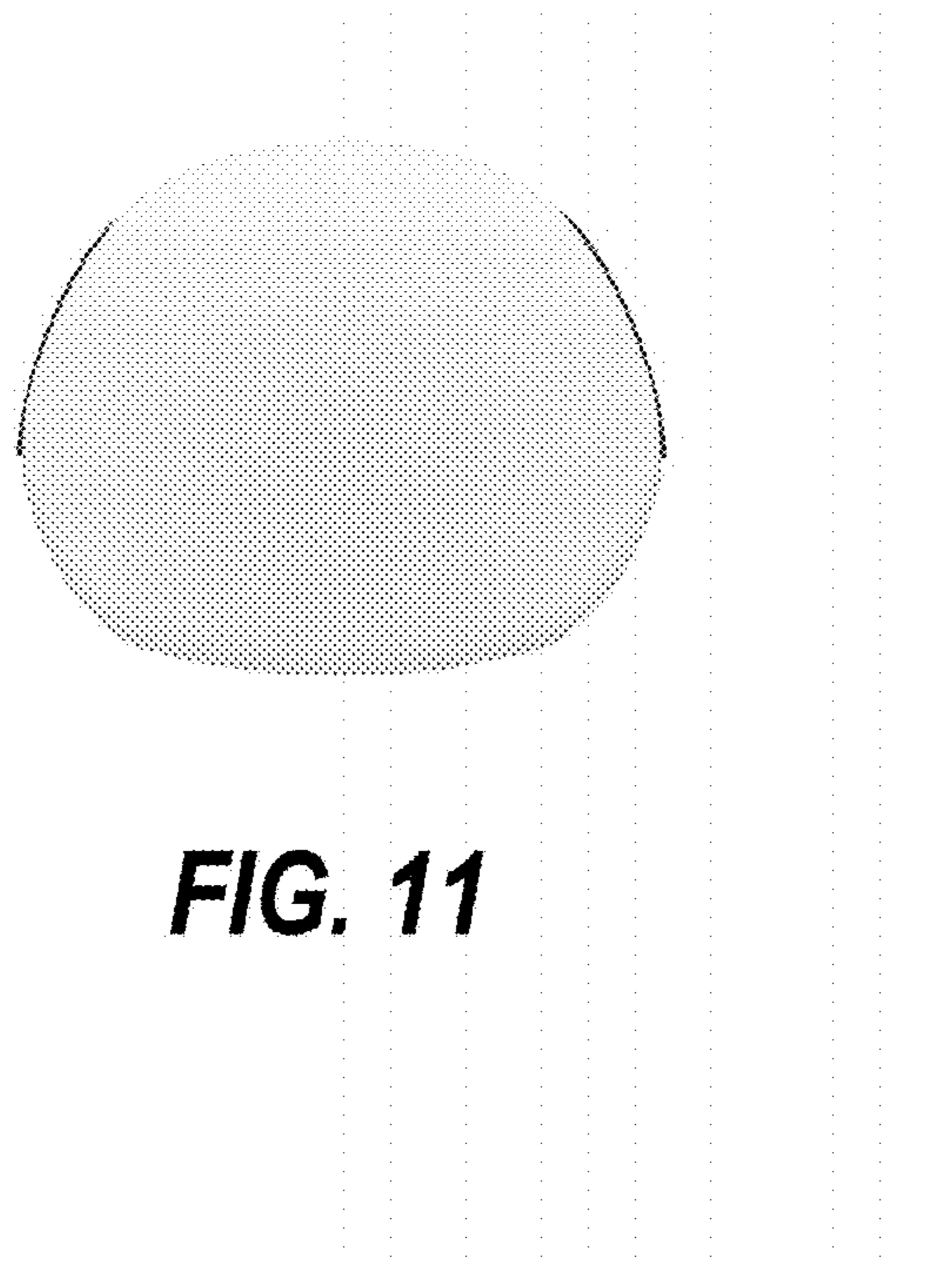


**FIG. 9**

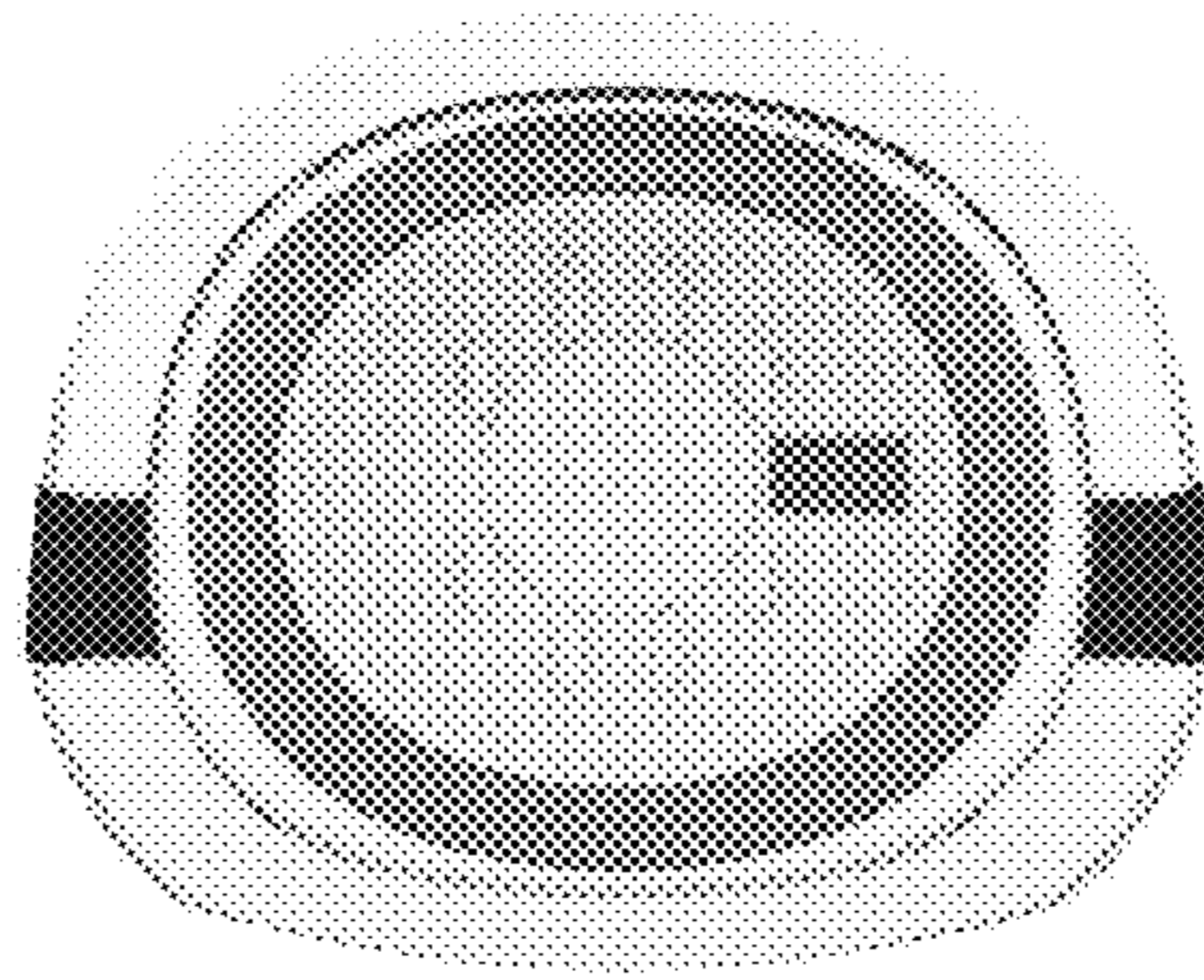


**FIG. 10**

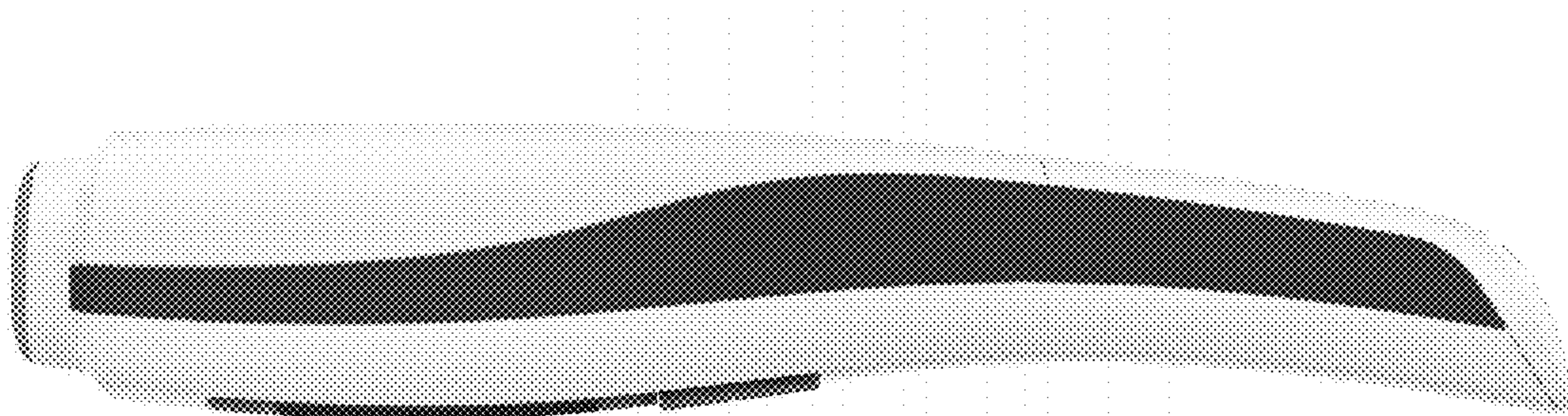




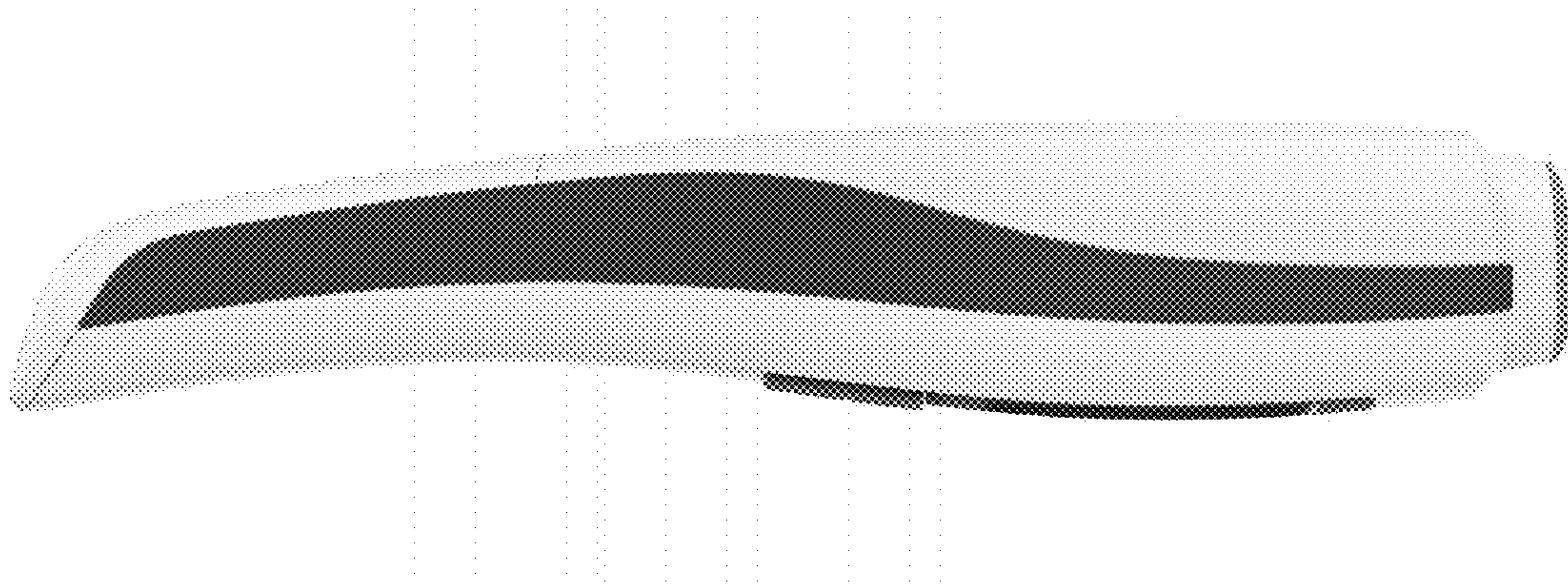
**FIG. 11**



**FIG. 12**

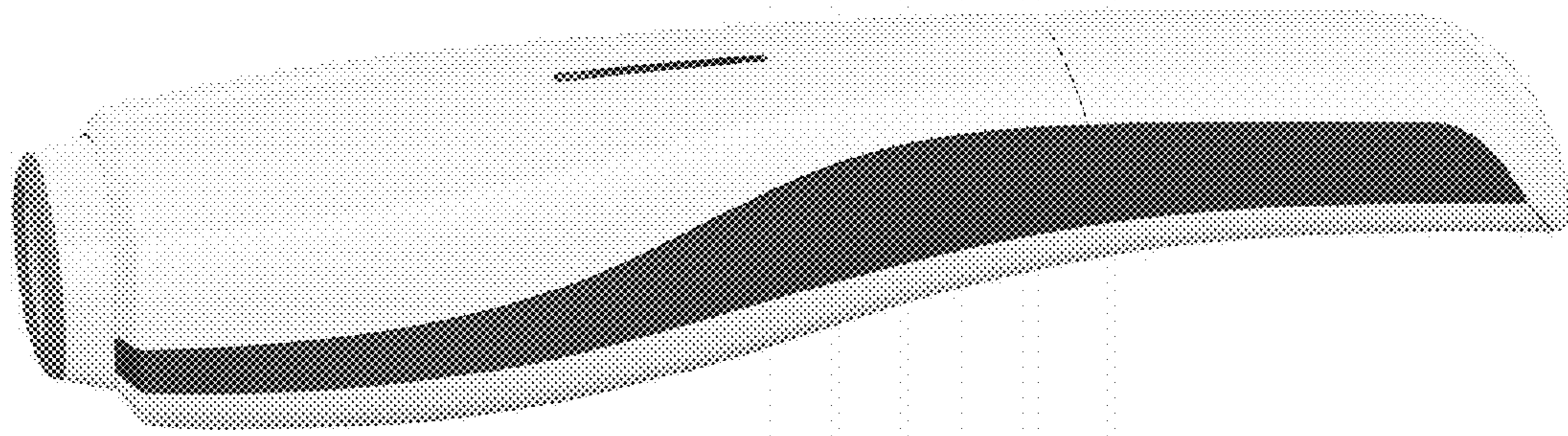


**FIG. 13**

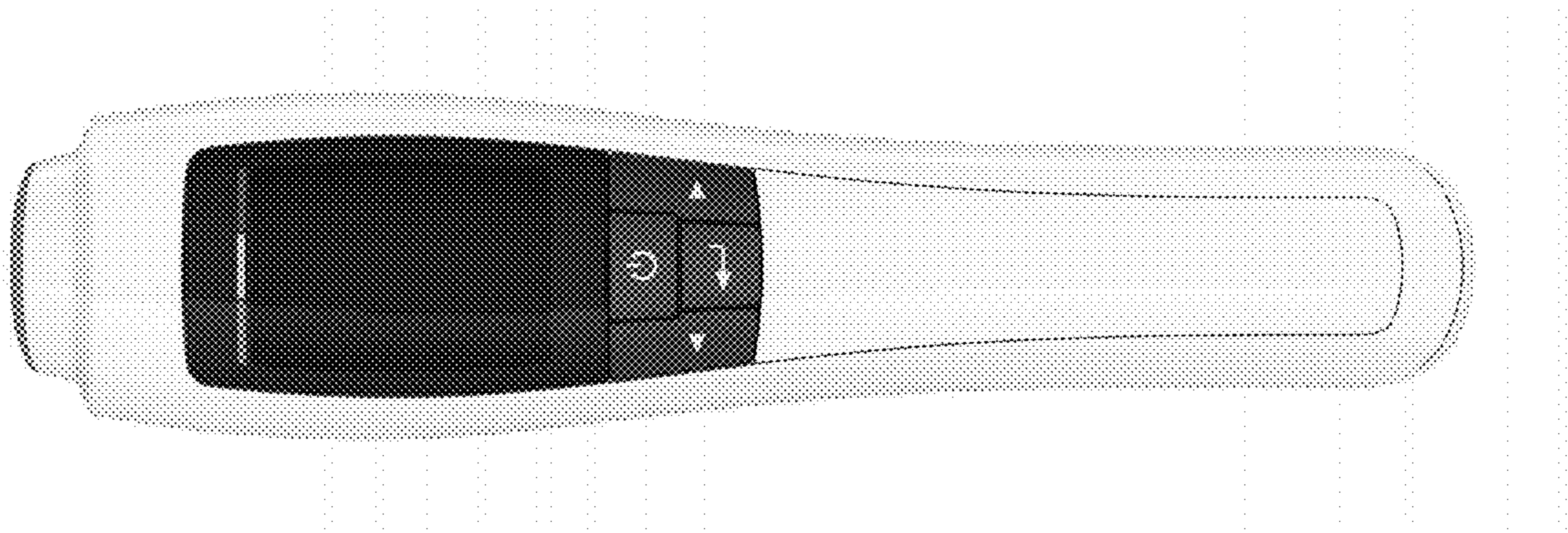


**FIG. 14**

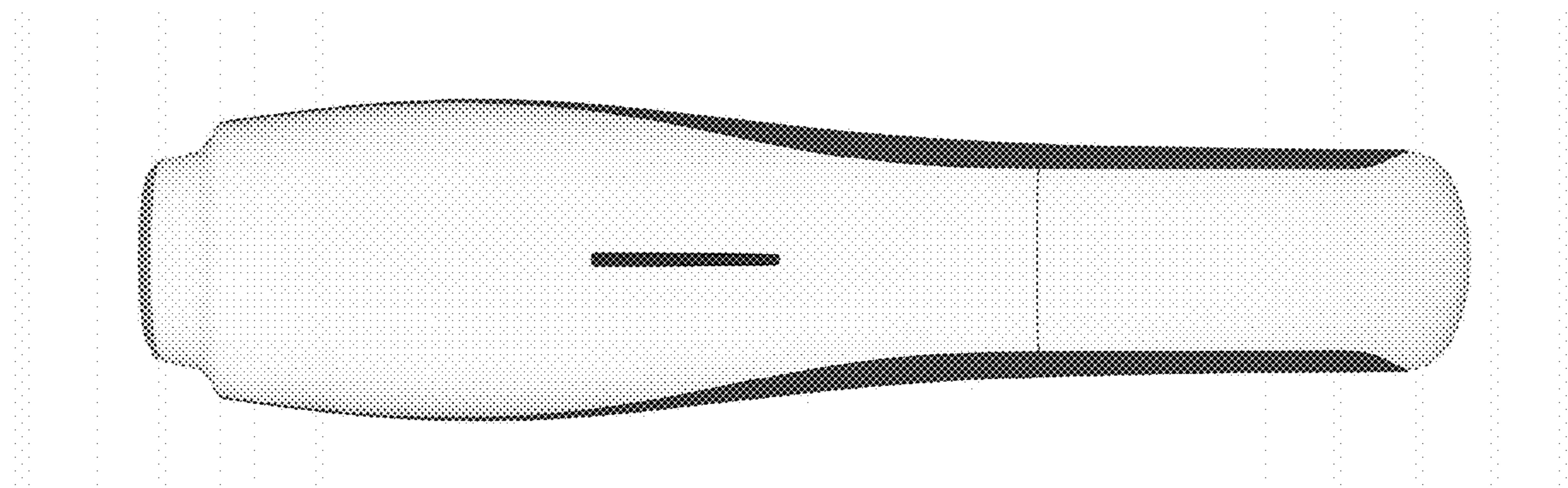




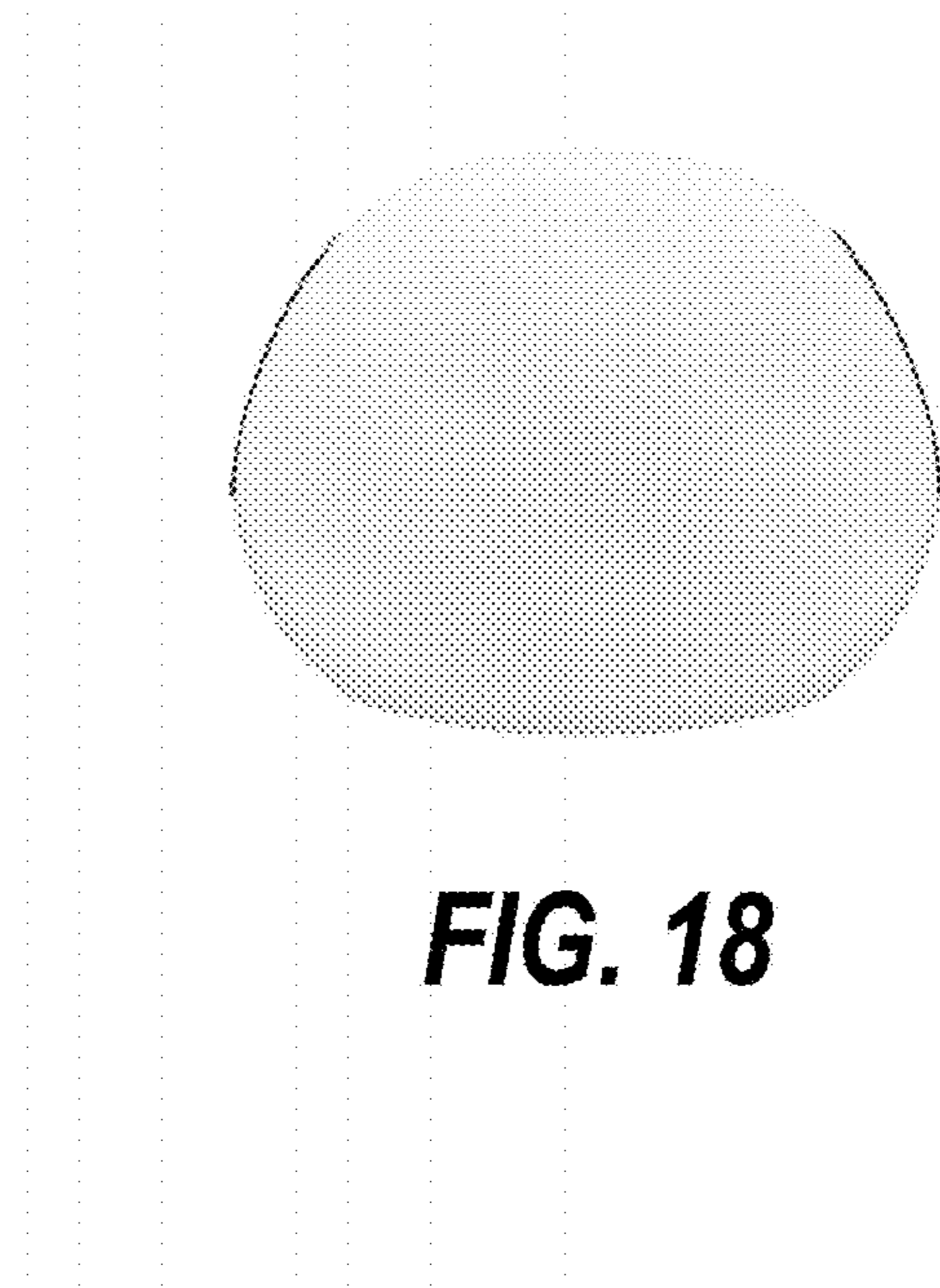
**FIG. 15**



**FIG. 16**

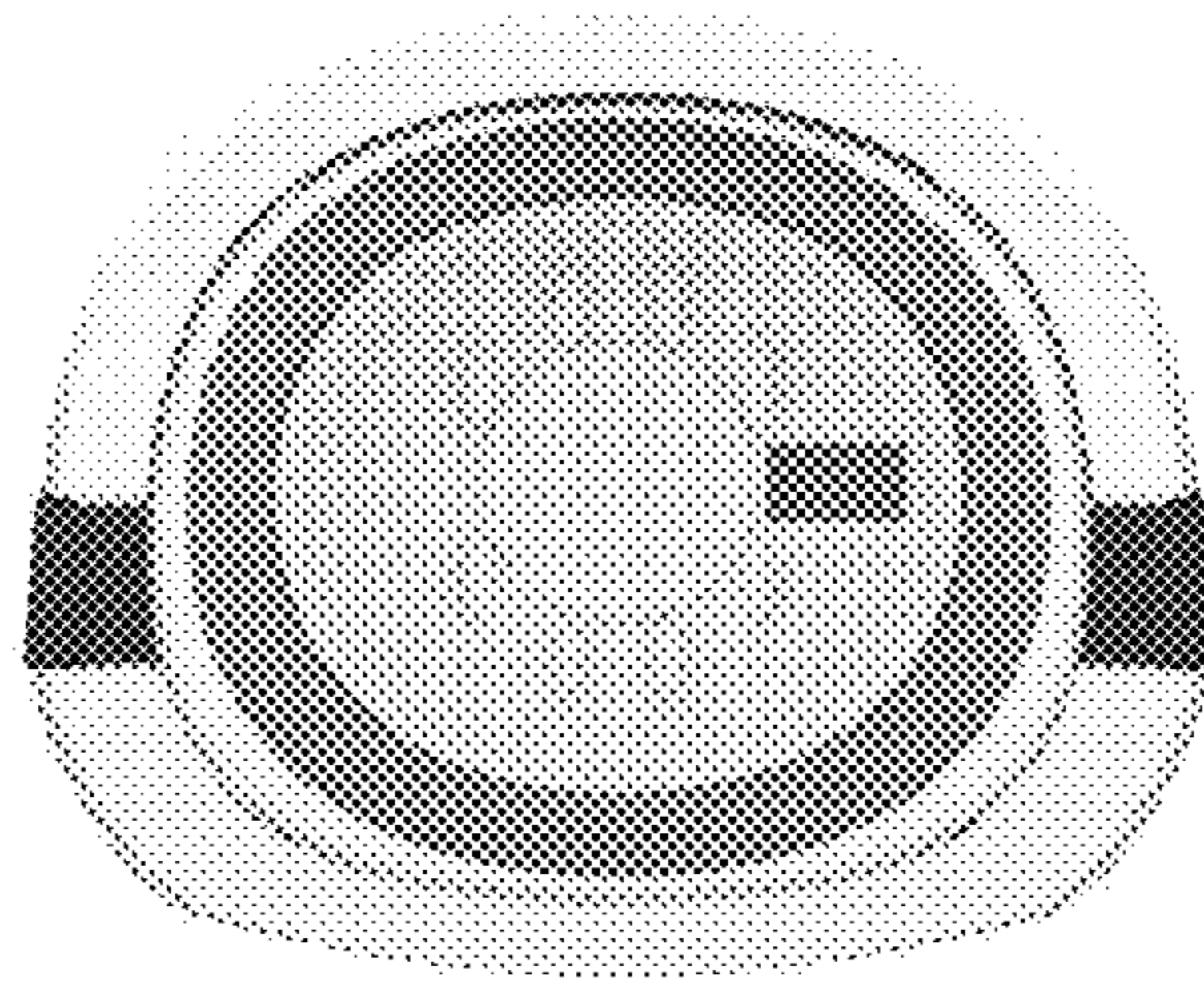


**FIG. 17**

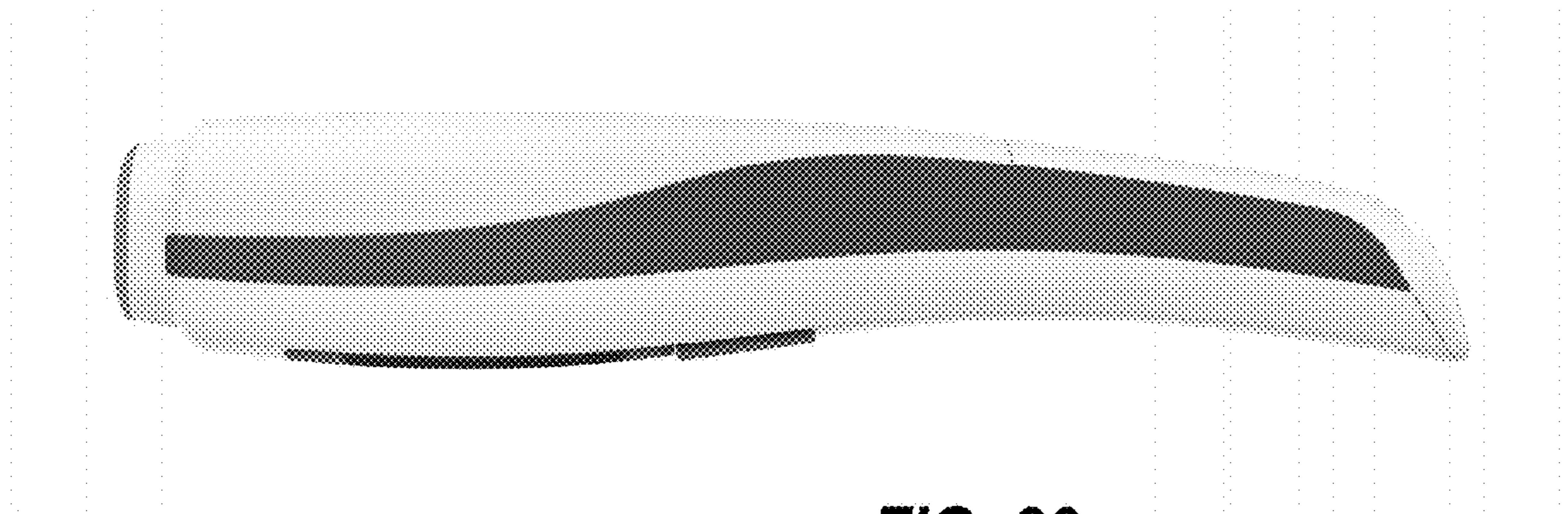


**FIG. 18**

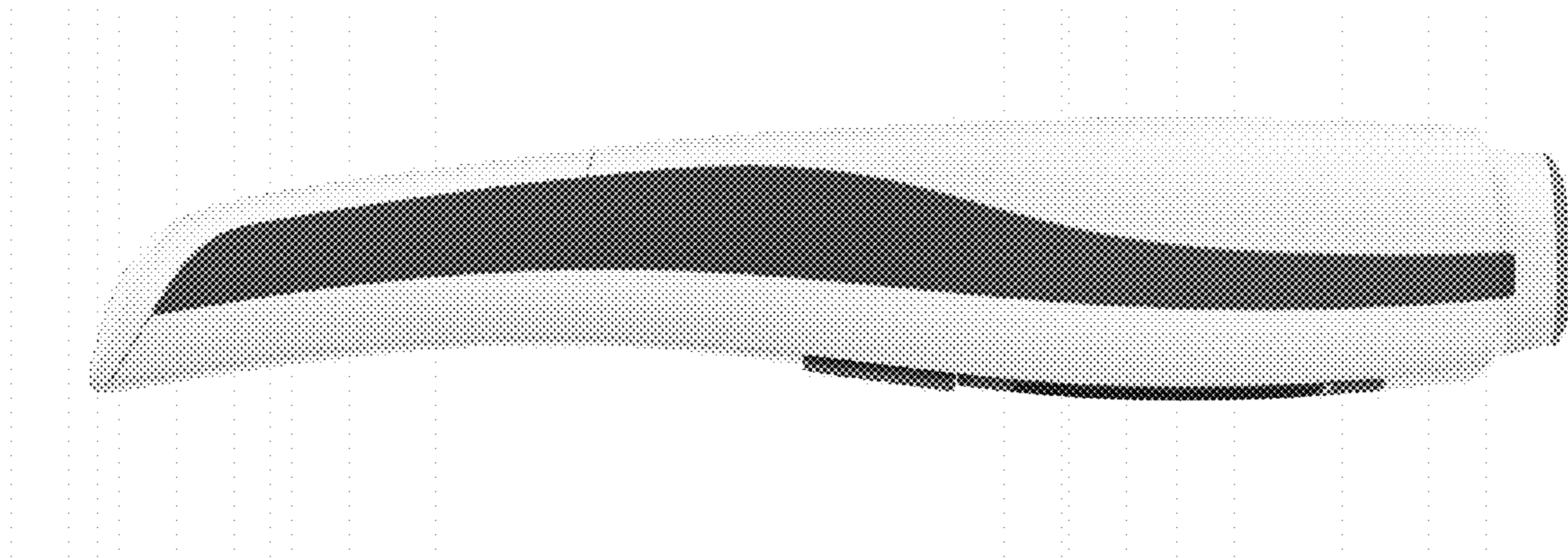




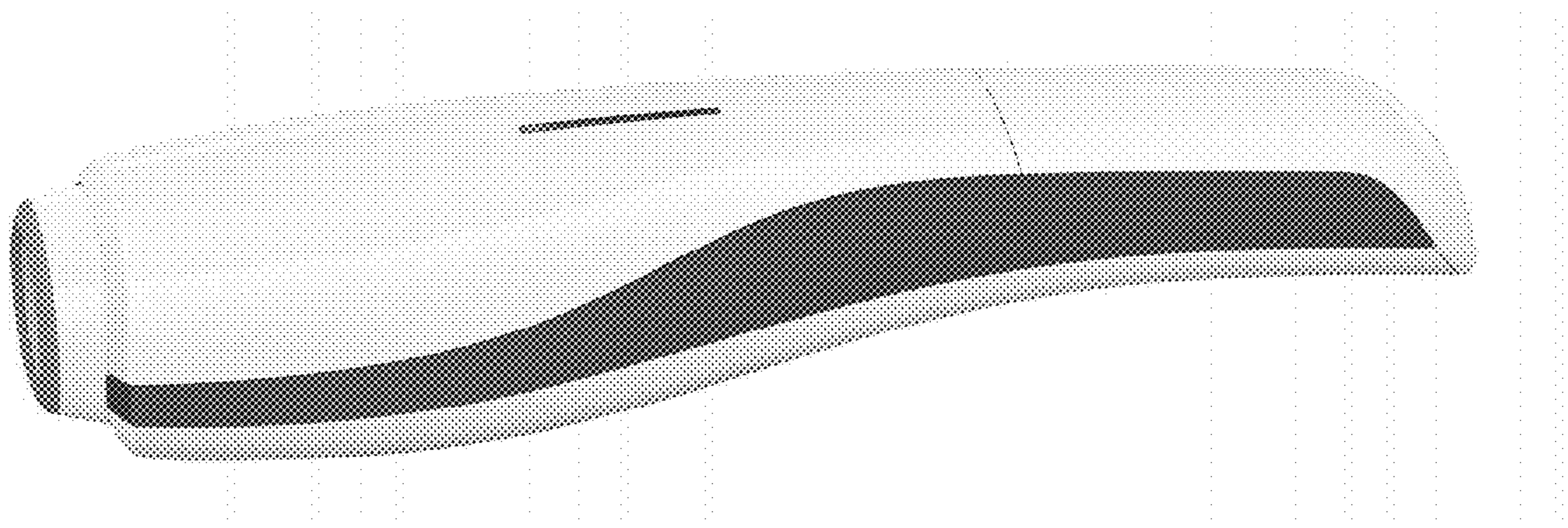
**FIG. 19**



**FIG. 20**

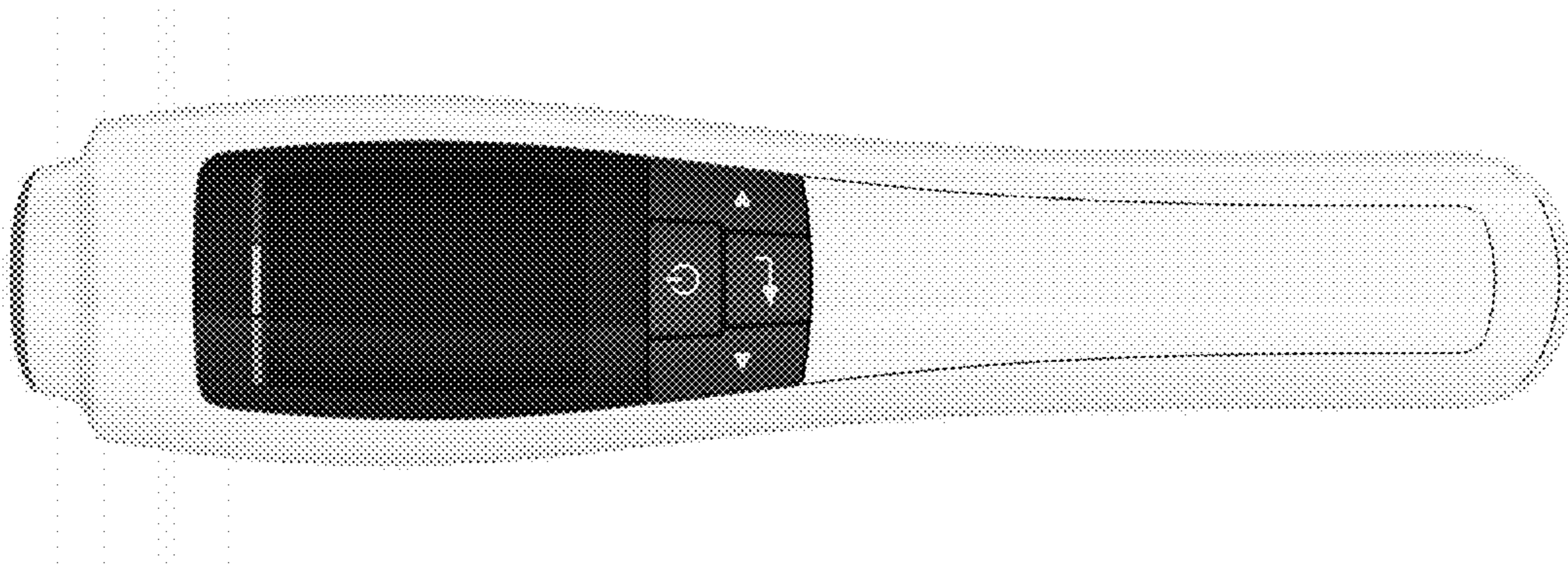


**FIG. 21**

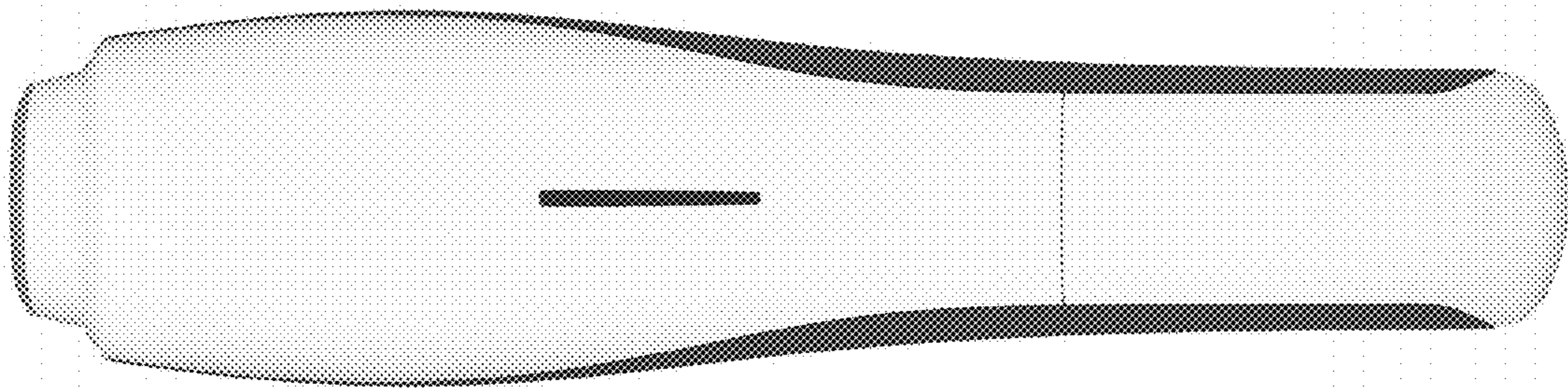


**FIG. 22**

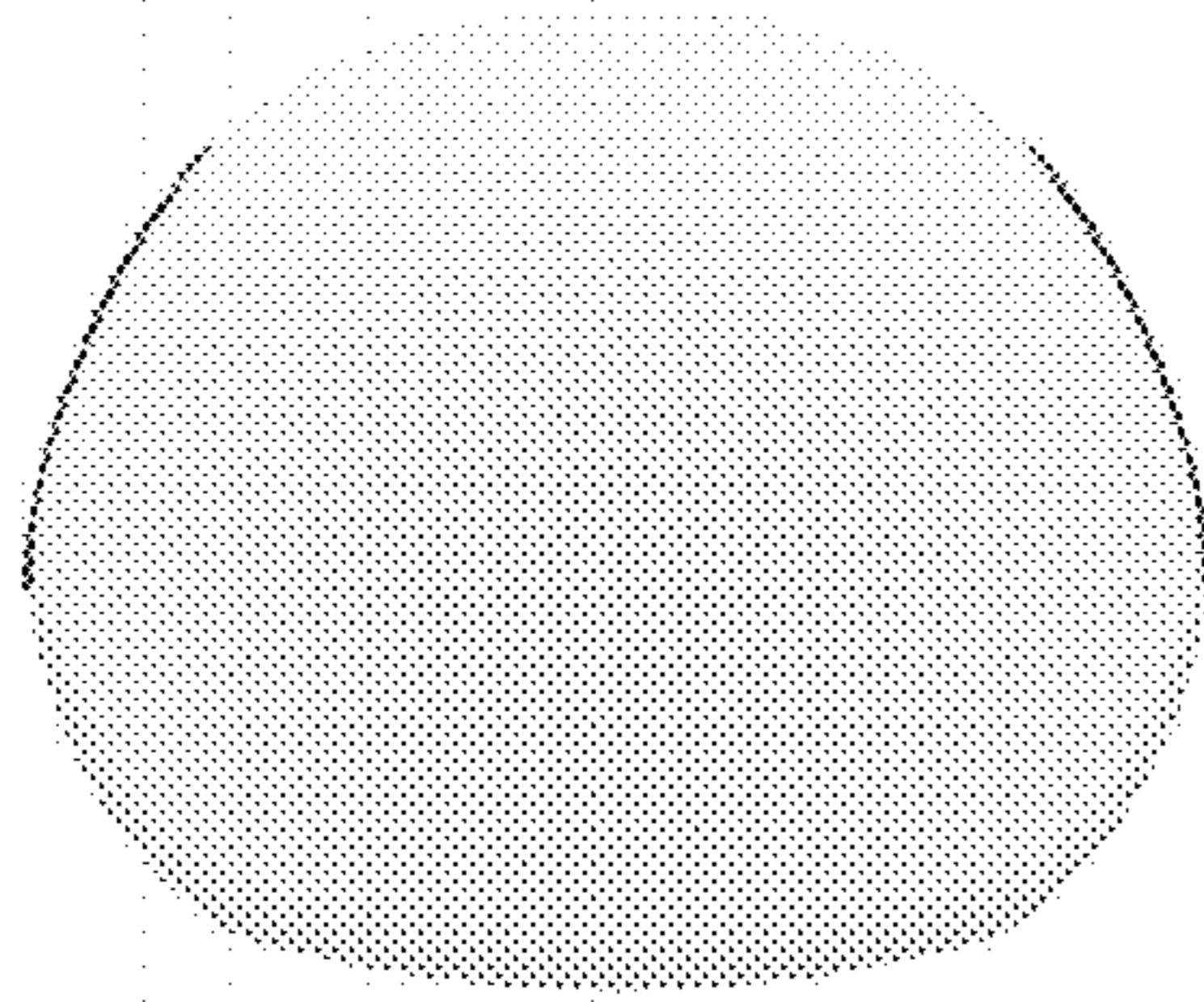




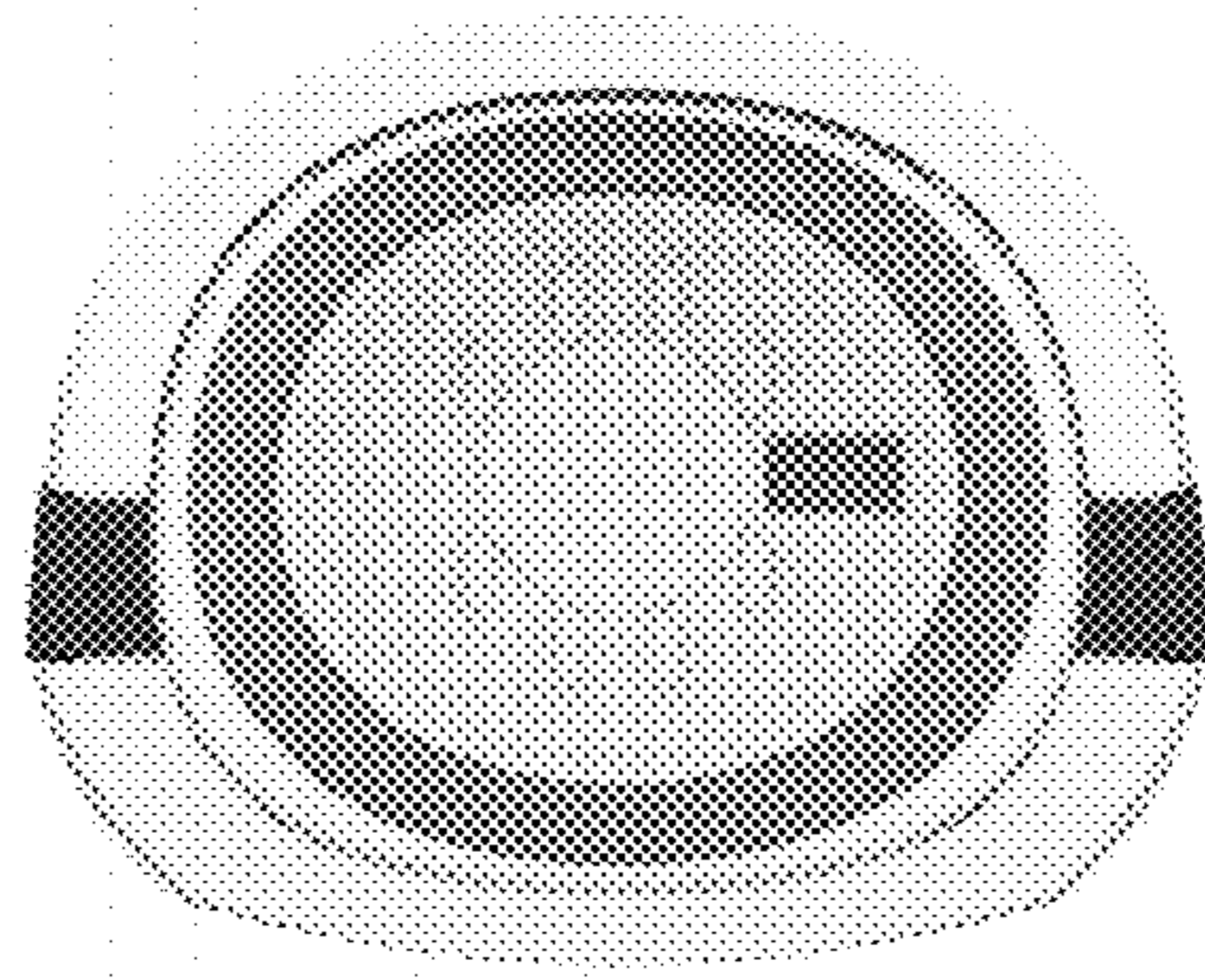
**FIG. 23**



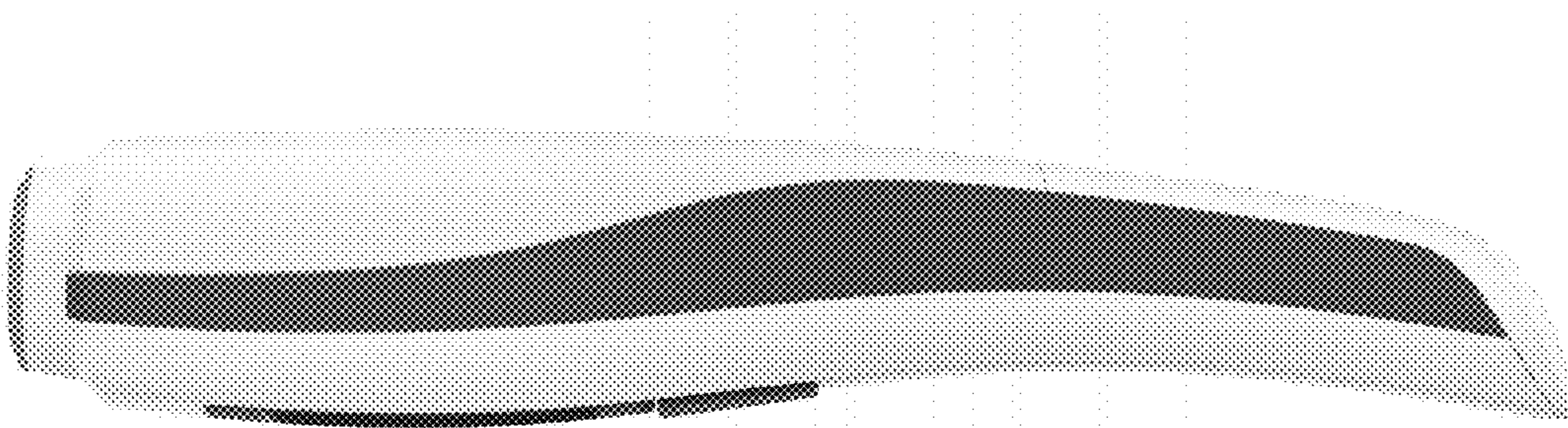
**FIG. 24**



**FIG. 25**

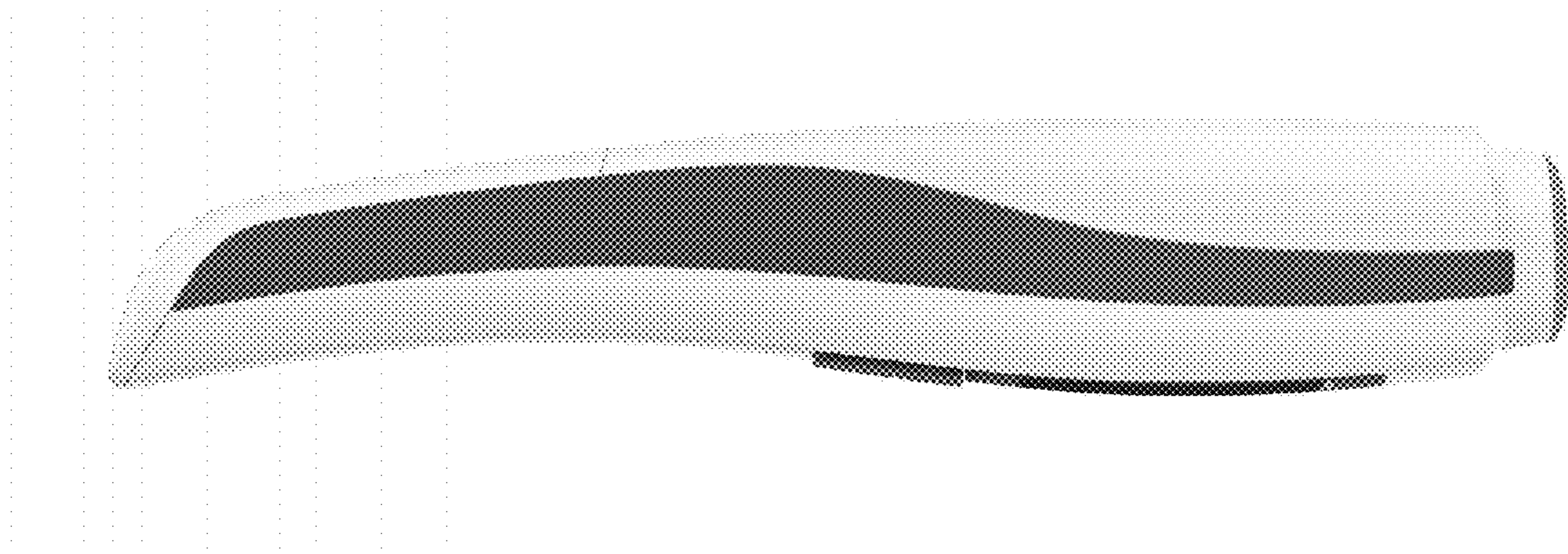


**FIG. 26**

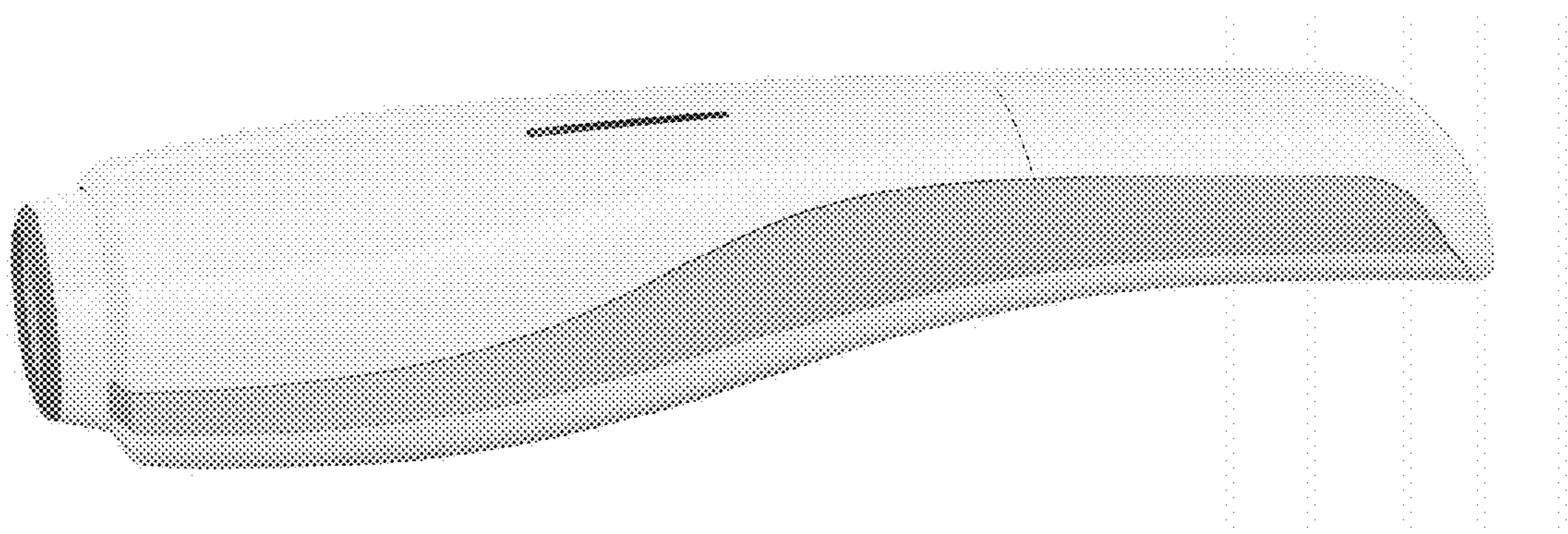


**FIG. 27**

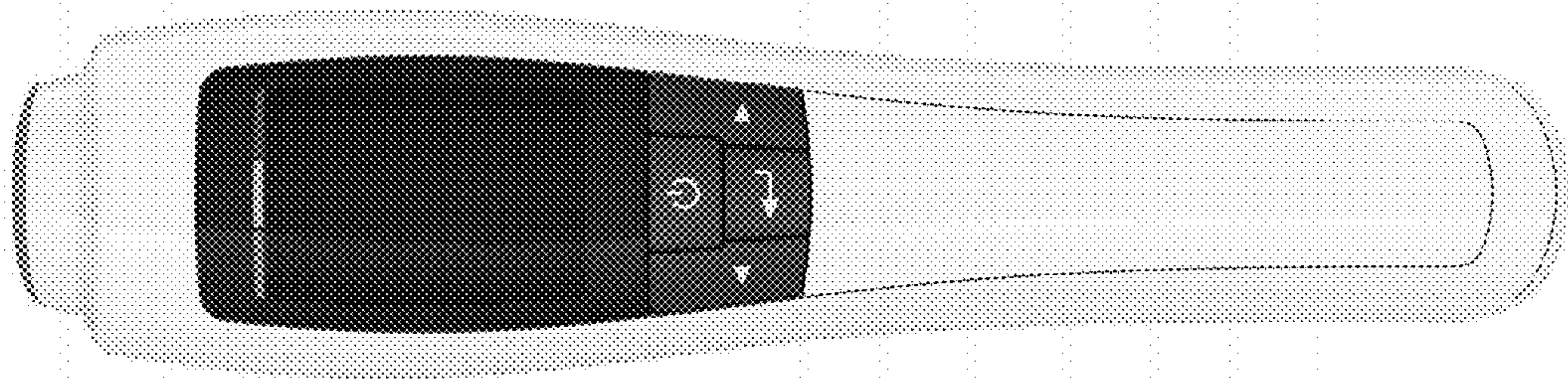




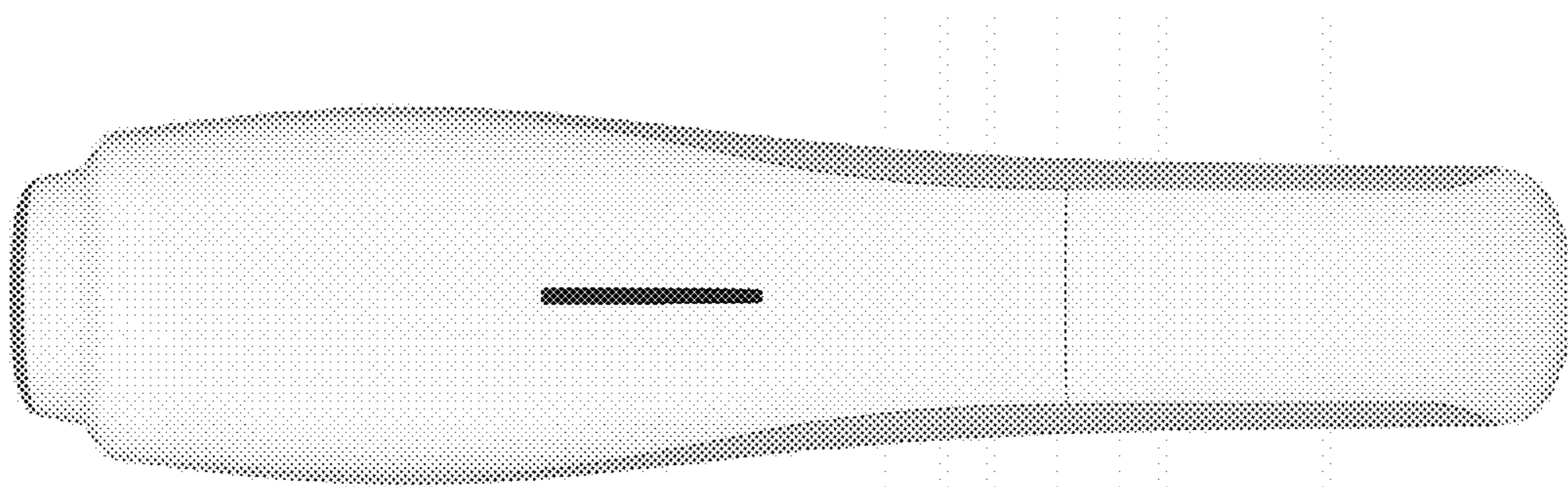
**FIG. 28**



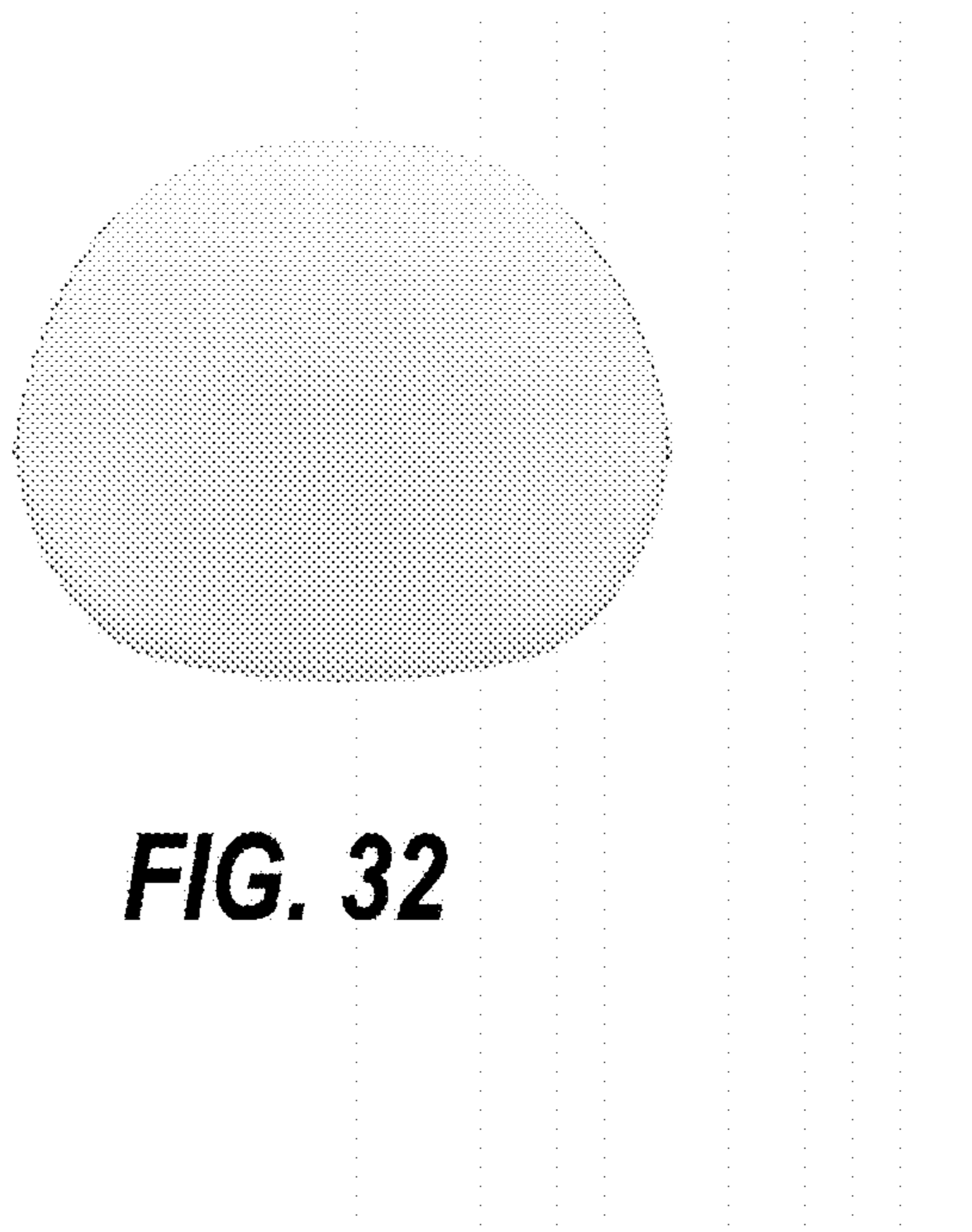
**FIG. 29**



**FIG. 30**

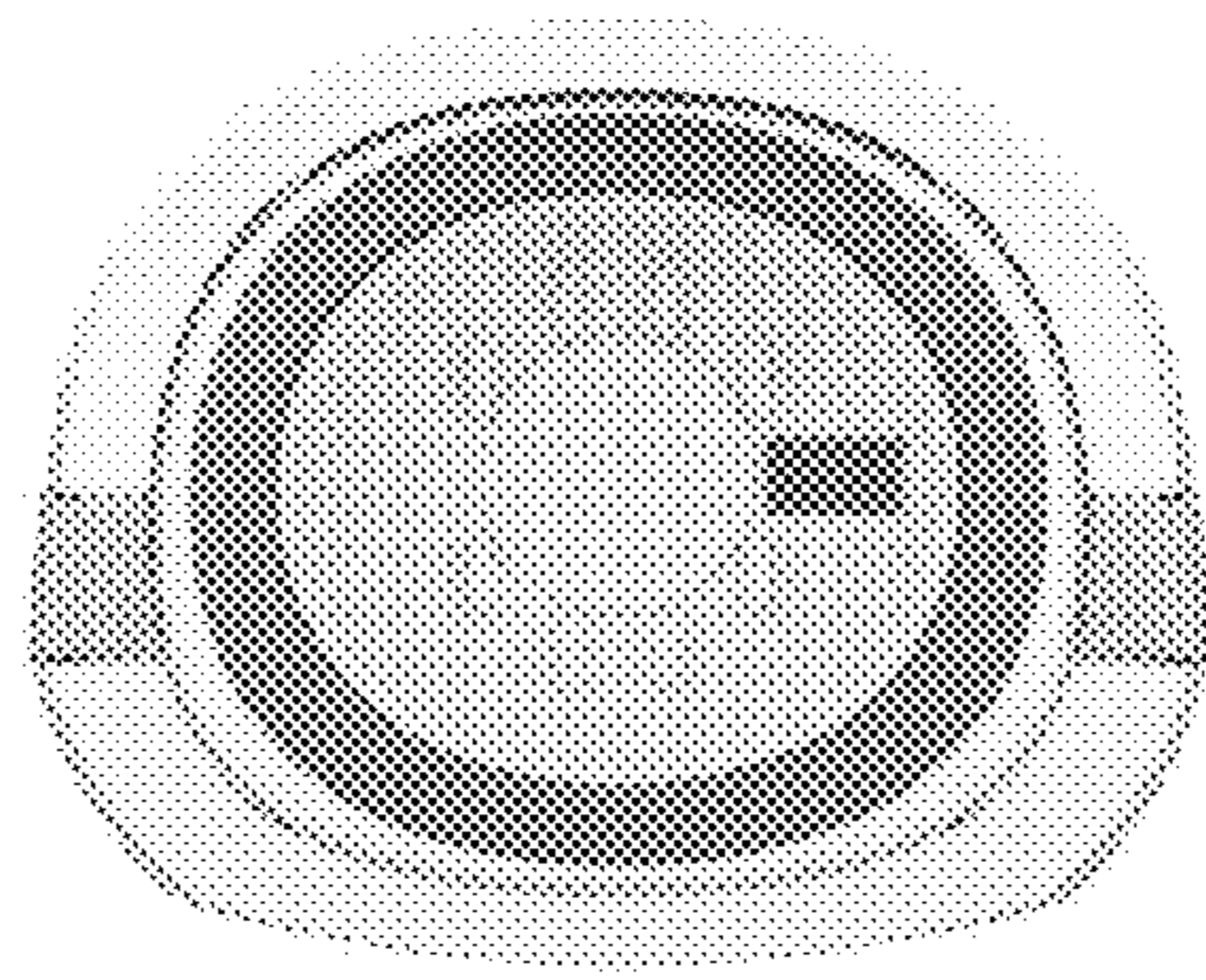


**FIG. 31**

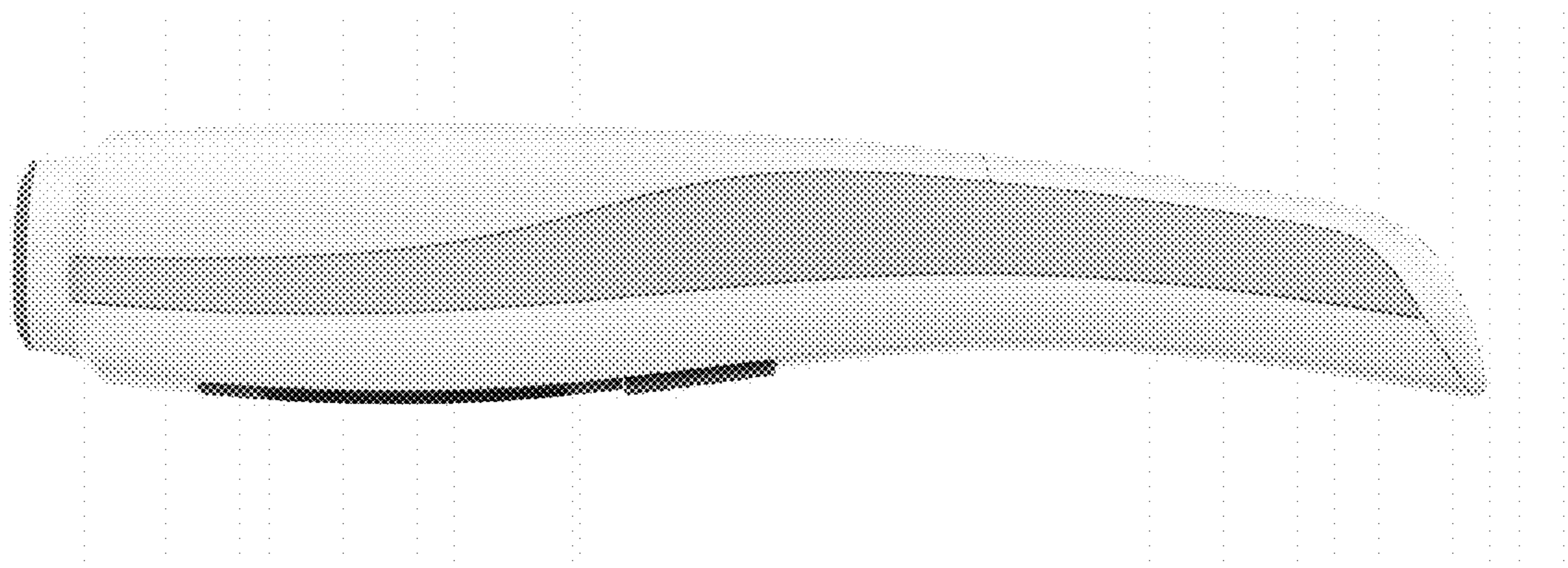


**FIG. 32**

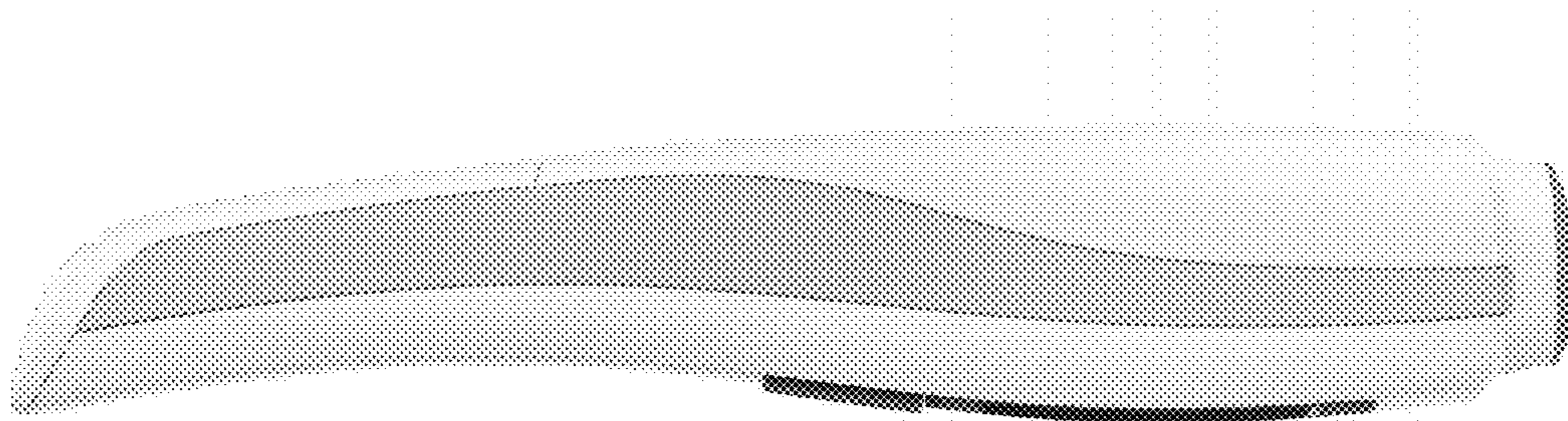




**FIG. 33**



**FIG. 34**



**FIG. 35**