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(12) **United States Design Patent** (10) **Patent No.:** **US D834,089 S**  
**Walker et al.** (45) **Date of Patent:** **\*\* Nov. 20, 2018**

(54) **DRAWING TOOL**

FOREIGN PATENT DOCUMENTS

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CN 302680797 12/2013  
CN 302781312 4/2014

(Continued)

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OTHER PUBLICATIONS

“3D MakerPen—Handheld 3D Printer,” Web page retrieved Sep. 27, 2013 from MakerGeeks.com, 2 pages.

(Continued)

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

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(21) Appl. No.: **29/602,534**

(57) **CLAIM**

(22) Filed: **May 1, 2017**

The ornamental design for a drawing tool, as shown and described.

**DESCRIPTION**

**Related U.S. Application Data**

(63) Continuation of application No. 29/550,183, filed on Dec. 30, 2015, now Pat. No. Des. 789,453, which is (Continued)

(51) **LOC (11) Cl.** ..... **19-06**

(52) **U.S. Cl.**

USPC ..... **D19/179**; D19/934

(58) **Field of Classification Search**

USPC ..... D14/411; D19/115–204

CPC . B43K 5/005; B43K 7/12; B43K 8/04; B43K

8/06; B43K 19/00; B43K 19/02; B43K

19/14; B43K 21/006; B43K 21/06

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,302,062 A 11/1942 Schweyer  
2,374,065 A 4/1945 Worthington

(Continued)

FIG. 1 is a front, top perspective view of a drawing tool showing our new design;

FIG. 2 is a rear, bottom perspective view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a front elevational view thereof;

FIG. 8 is a rear elevational view thereof;

FIG. 9 is a front, top perspective view of an alternative embodiment of the drawing tool;

FIG. 10 is a rear, bottom perspective view of FIG. 9;

FIG. 11 is a top plan view of FIG. 9;

FIG. 12 is a bottom plan view of FIG. 9;

FIG. 13 is a left side elevational view of FIG. 9;

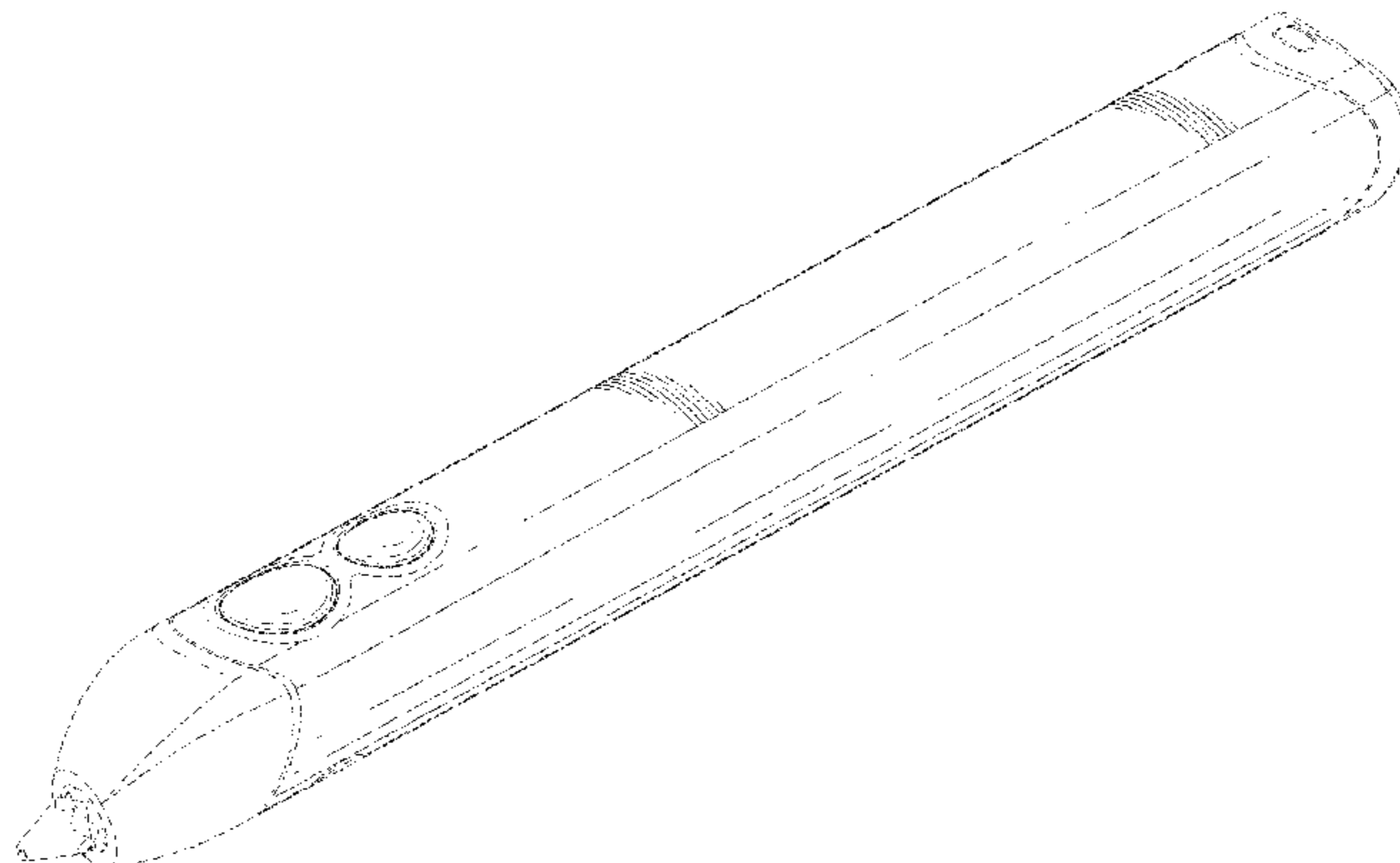
FIG. 14 is a right side elevational view of FIG. 9;

FIG. 15 is a front elevational view of FIG. 9; and,

FIG. 16 is a rear elevational view of FIG. 9.

The broken lines in the Figures show portions of the drawing tool which form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



**Related U.S. Application Data**

a continuation of application No. 29/502,355, filed on Sep. 15, 2014, now Pat. No. Des. 749,173.

2012/0219699 A1 8/2012 Pettersson et al.  
2014/0154347 A1 6/2014 Dilworth et al.  
2015/0150353 A1 6/2015 Yiu

**FOREIGN PATENT DOCUMENTS**

EM 002315440-0001 9/2013  
EM 002315440-0002 9/2013

(56)

**References Cited**

**U.S. PATENT DOCUMENTS**

D149,677 S 5/1948 Pope  
3,010,140 A 11/1961 Thomas  
3,665,158 A 5/1972 Froedge  
D247,317 S 2/1978 Mantelet  
D264,854 S 6/1982 Spiegel  
D268,598 S 4/1983 Mizutani et al.  
D290,333 S 6/1987 Pashley  
D292,104 S 9/1987 Keller, Jr.  
D294,519 S 3/1988 Hardy, Jr.  
D338,964 S 8/1993 Tarjoto  
D371,747 S \* 7/1996 Strader ..... D10/78  
5,655,554 A 8/1997 Goldberg  
5,785,443 A 7/1998 Rubin  
D407,533 S 3/1999 Watanabe et al.  
D421,666 S 3/2000 Lyons et al.  
D422,748 S 4/2000 Lang  
D429,845 S 8/2000 Lang  
6,241,408 B1 6/2001 Lang  
D446,242 S 8/2001 Stukenkemper  
D451,358 S 12/2001 Griese et al.  
6,328,494 B1 12/2001 Moxon  
D454,413 S 3/2002 Shepperson  
D472,578 S 4/2003 Plantz et al.  
D499,841 S 12/2004 Angeletta  
D506,576 S 6/2005 Chen  
D509,301 S 9/2005 Talbot et al.  
D511,288 S 11/2005 Brown et al.  
6,964,534 B2 \* 11/2005 Brand ..... B43K 8/022  
401/107  
D518,907 S 4/2006 Leung  
D553,188 S 10/2007 DaBoll  
D554,183 S 10/2007 Paulus et al.  
D555,609 S 11/2007 Galbraith  
7,310,881 B2 12/2007 Ohuka  
D562,008 S 2/2008 Liu  
D578,571 S 10/2008 Yeh  
D583,063 S 12/2008 Bauer et al.  
D584,126 S 1/2009 Meyer  
D610,614 S 2/2010 Dyer  
D612,510 S 3/2010 Byle  
D613,417 S 4/2010 Imboden et al.  
D637,308 S 5/2011 Imboden et al.  
D667,054 S 9/2012 Dyer  
8,262,304 B2 9/2012 Llach et al.  
D670,699 S 11/2012 Sato  
D681,038 S 4/2013 Tomohiro  
D686,618 S 7/2013 Wilson et al.  
D686,621 S \* 7/2013 Pawlus ..... D14/411  
D688,790 S 8/2013 Guarraia et al.  
D688,791 S 8/2013 Guarraia et al.  
D688,792 S 8/2013 Guarraia et al.  
D691,137 S 10/2013 Yeon et al.  
D706,440 S 6/2014 Hahr  
D709,887 S 7/2014 Yagi  
D714,386 S 9/2014 Au  
D715,298 S 10/2014 Hong et al.  
D719,163 S 12/2014 Dowd et al.  
D720,348 S 12/2014 Robinson et al.  
9,067,458 B1 6/2015 Mock  
D744,037 S 11/2015 Matsumura  
D749,173 S 2/2016 Walker et al.  
D751,762 S 3/2016 Hollinger  
D754,129 S 4/2016 Kao  
D770,453 S 11/2016 Sumsion  
D772,875 S \* 11/2016 Kim ..... D14/411  
D773,462 S \* 12/2016 Mitchell ..... D14/411  
D783,617 S \* 4/2017 Chrenka ..... D14/411  
D785,093 S \* 4/2017 Hsu ..... D19/179

**OTHER PUBLICATIONS**

“3D Pen OEM Version,” Yaya Technology, Web page retrieved on Apr. 15, 2015 from [www.yaya3dpen.com/?page.sub.--id=3015](http://www.yaya3dpen.com/?page.sub.--id=3015).  
“3Dsimo: First multi-material 3D drawing pen,” Oct. 15, 2013, retrieved from [www.3ders.org/articles/20131015-3dsimo-first-multi-material-3d-drawi-ng-pe-n.html](http://www.3ders.org/articles/20131015-3dsimo-first-multi-material-3d-drawi-ng-pe-n.html).  
“3DSIMO: The Amazing 3D Pen,” Sep. 25, 2013, retrieved from [www.popular3dprinters.com/3dsimo-the-amazing-3d-pen/](http://www.popular3dprinters.com/3dsimo-the-amazing-3d-pen/).  
“CreoPop-Cool Ink. Infinite Creativity,” Web page retrieved on Apr. 15, 2015 from [www.indiegogo.com/projects/creopop-cool-ink-infinite-creativity-](http://www.indiegogo.com/projects/creopop-cool-ink-infinite-creativity-).  
“Crowdsourcing Mornings: 3Dsimo—The Next Generation of 3D Pens,” Feb. 24, 2014, retrieved from [www.geekalabama.com/2014/02/24/crowdsourcing-mornings-3dsimo-the-next-generation-of-3d-pens/](http://www.geekalabama.com/2014/02/24/crowdsourcing-mornings-3dsimo-the-next-generation-of-3d-pens/).  
“iMakr 3D Printing Pen Review”, Jul. 28, 2014, retrieved from <http://3dprinterplans.info/imakr-3d-printing-pen-review/>.  
“Lixpen, the smallest 3D printing pen,” Mar. 28, 2014, retrieved from [www.3ders.org/articles/20140328-lixpen-the-smallest-3d-printing-pen.html](http://www.3ders.org/articles/20140328-lixpen-the-smallest-3d-printing-pen.html).  
“Myriwell 3D Printing Pen Lets You Create 3D Models with Your Hand,” May 19, 2014, retrieved from [gadgetsin.com/myriwell-3d-printing-pen-lets-you-create-3d-models-with-your-hand.htm](http://gadgetsin.com/myriwell-3d-printing-pen-lets-you-create-3d-models-with-your-hand.htm).  
“New OEM Model Leak!” Yaya Technology, Jan. 16, 2014, retrieved from [www.yaya3dpen.com/?p=2939](http://www.yaya3dpen.com/?p=2939).  
“Polyes Q1 SLA-based 3D Printing Pen to Launch on Kickstarter in November,” Sep. 30, 2014, retrieved from [www.3dprint.com/17201/polyes-q1-3d-printing-pen/](http://www.3dprint.com/17201/polyes-q1-3d-printing-pen/).  
“Polyes Q1—The Safest, Cool-Ink 3D Pen,” Dec. 21, 2014, retrieved from [www.kickstarter.com/projects/1241980839/polyes-q1-the-safest-cool-ink-3d--pen/description](http://www.kickstarter.com/projects/1241980839/polyes-q1-the-safest-cool-ink-3d--pen/description).  
“RP400A 3D pen with OLED display,” JER Education Technology Co Ltd, Oct. 21, 2014, retrieved from <http://www.jereducation.com/yw/cpzx.sub.--show.asp?pid=266>.  
Ahiro-002A Product description retrieved on Jun. 12, 2015 from <http://www.goodluckbuy.com/images/detailed.sub.--images2/file/Printer%20P--en.pdf>.  
Bryant, “Adobe moves into hardware: Project Mighty ‘cloud pen’ and Project Napoleon ruler to launch in 2014,” Sep. 17, 2013, retrieved from [www.thenextweb.com/gadgets/2013/09/17/adobe-moves-into-hardware-its-project-mighty-cloud-pen-and-project-napoleon-digital-ruler-will-launch-in-2014- /](http://www.thenextweb.com/gadgets/2013/09/17/adobe-moves-into-hardware-its-project-mighty-cloud-pen-and-project-napoleon-digital-ruler-will-launch-in-2014-/).  
Donutman.sub.--2000 “Plastic Welding Gun (Plastruder MK4)” published Sep. 19, 2010, retrieved from <http://www.thingiverse.com/thing:4156>.  
Fincher, “Move over 3Doodler—here comes the SwissPen,” Aug. 23, 2013, retrieved from <http://newatlas.com/swisspen-handheld-3d-printer/28799/>.  
Heater, “SwissPen 3D printing pen brings 3Doodler competition well before launch,” Aug. 21, 2013, retrieved from [www.engadget.com/2013/08/21/swisspen/](http://www.engadget.com/2013/08/21/swisspen/).  
Indiegogo campaign Web page, “3Dsimo—The Next Generation of 3D pens,” (stating “campaign ended on Mar. 1, 2014”), retrieved on Apr. 15, 2015 from [www.indiegogo.com/projects/3dsimo-the-next-generation-of-3d-pens--4](http://www.indiegogo.com/projects/3dsimo-the-next-generation-of-3d-pens--4).  
MonUnivers3D: 3Ddoodler, a 3D drawing pen, Aug. 9, 2013, retrieved from <http://www.monunivers3d.com/1493>.  
Ridden, “Cordless CreoPop pen makes 3D sketching cool,” Jun. 5, 2014, retrieved from [www.gizmag.com/creopop-3d-sketch-pen/32422/](http://www.gizmag.com/creopop-3d-sketch-pen/32422/).



(56)

**References Cited**

OTHER PUBLICATIONS

So, "Adobe's first hardware in the form of a 'cloud pen' and digital ruler," dated Nov. 1, 2013, retrieved from [www.itbusiness.ca/news/adobes-first-hardware-comes-in-the-form-of-a-cloud-pen-and-digital-ruler/44527](http://www.itbusiness.ca/news/adobes-first-hardware-comes-in-the-form-of-a-cloud-pen-and-digital-ruler/44527).

Techspan Group, "A range of Leister hand-held and automatic welders from Techspan," Dec. 12, 2006, retrieved from <http://www.ferret.com.au/c/techspan-group/a-range-of-Leister-hand-held-automatic-welders-from-Techspan-n667443>.

Webpage including image of Ahiro-002A, Apr. 4, 2014, retrieved from <http://fm.homelan.lg.ua/?p=20675>.

Webpage, RainSun 3D Pen Feb. 14, 2014, retrieved from [www.abs-production.ru/articles/115123](http://www.abs-production.ru/articles/115123).

MCLL, "6 reasons why the 3Doodler Pro Pen is the next gen of 3D printing," Oct. 9, 2016, retrieved from <https://www.3dengr.com/3doodler-3d-printer-pen.html>, 9 pages.

\* cited by examiner

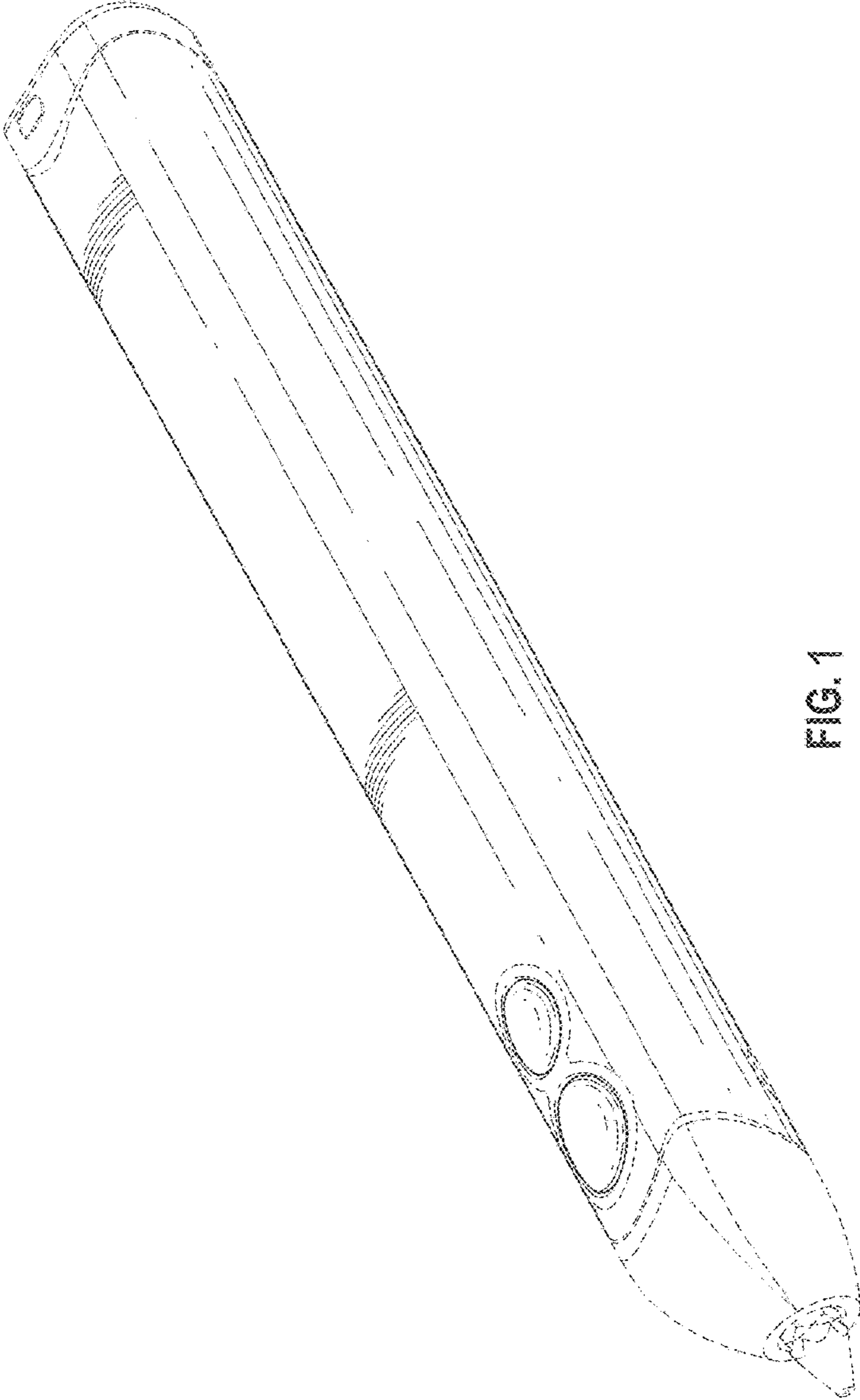


FIG. 1

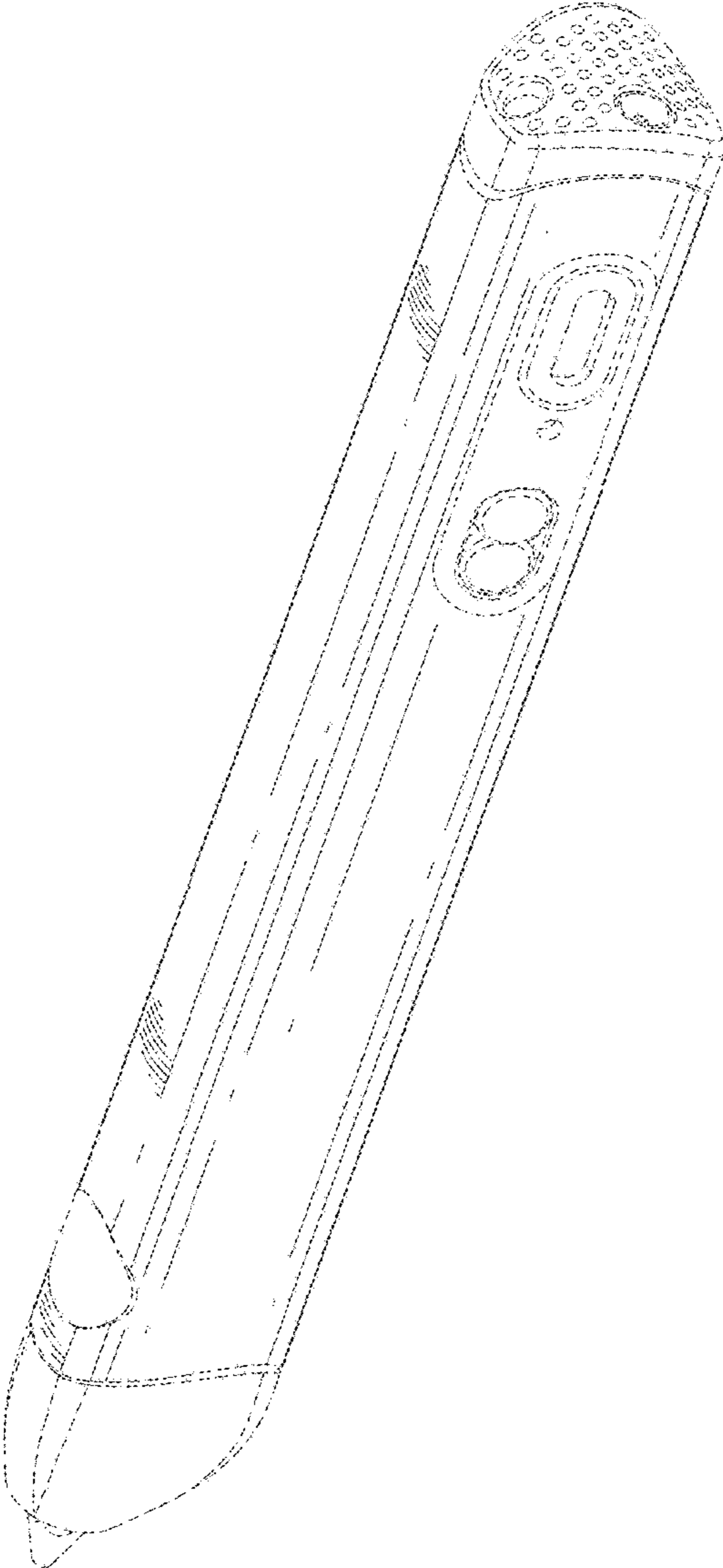


FIG.2

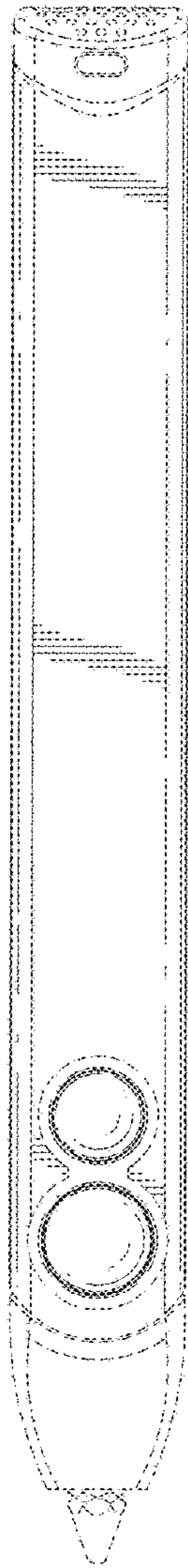


FIG. 3

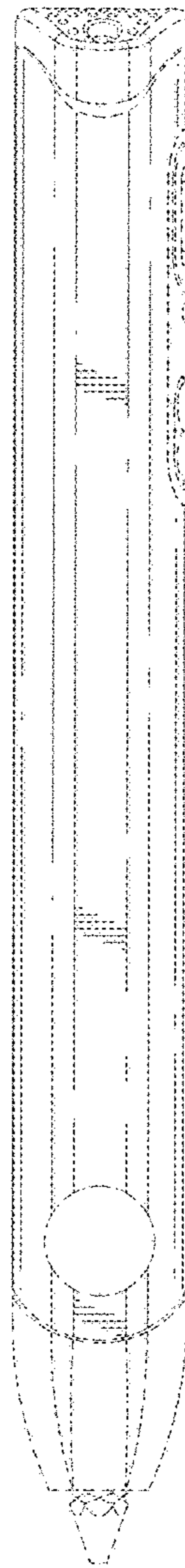


FIG. 4

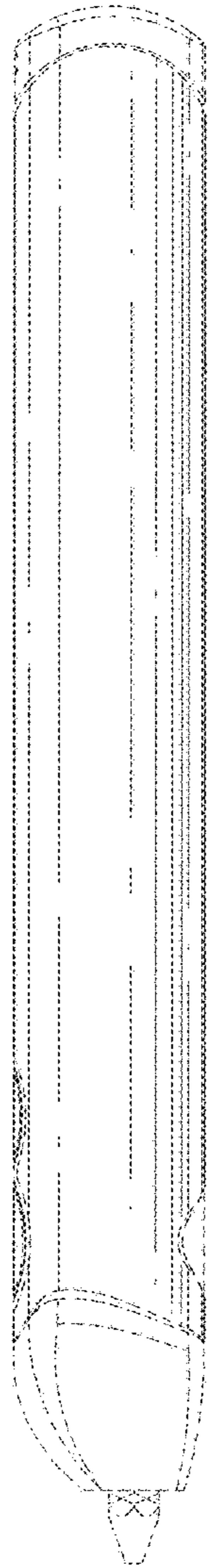


FIG. 5

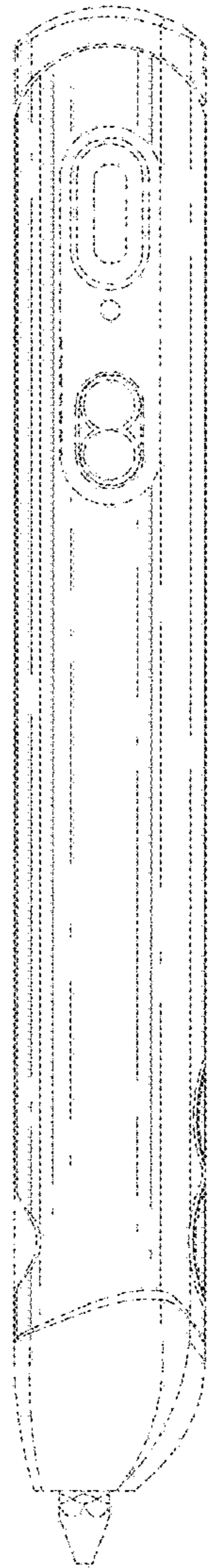


FIG. 6

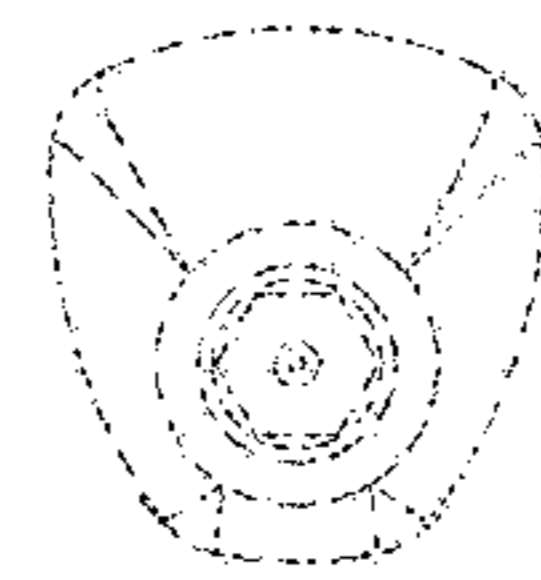


FIG. 7

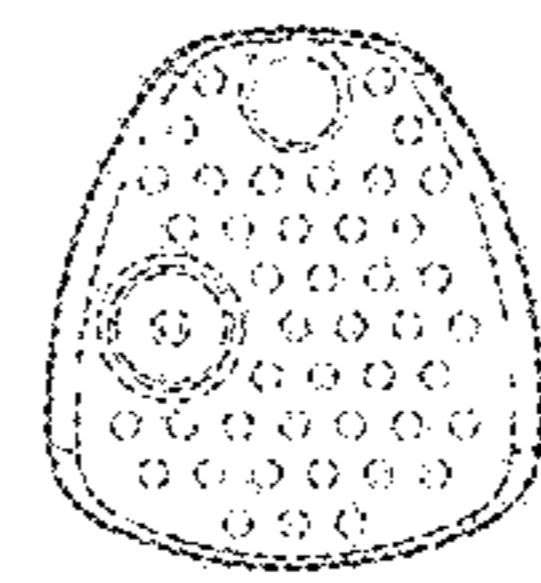


FIG. 8

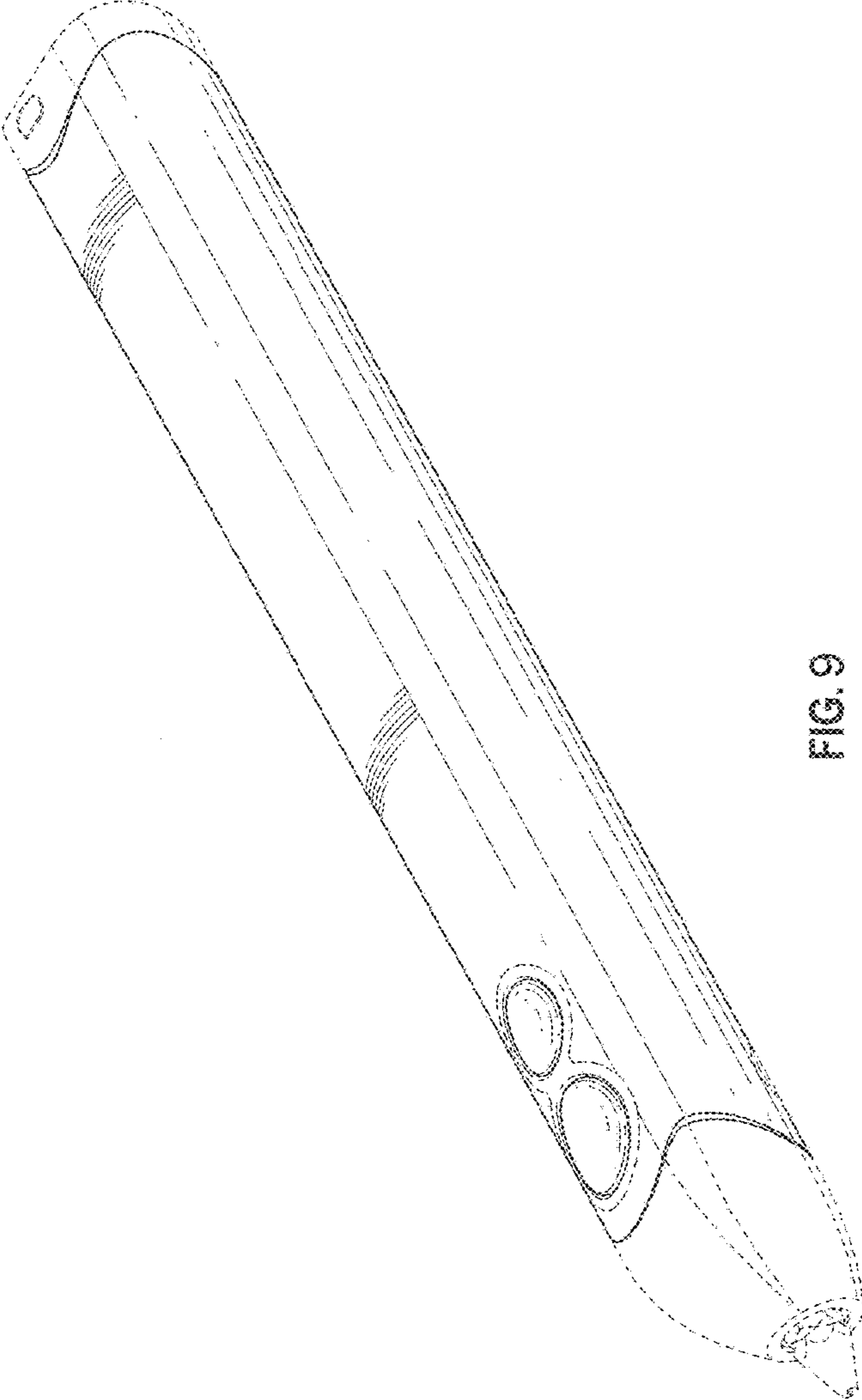


FIG. 9



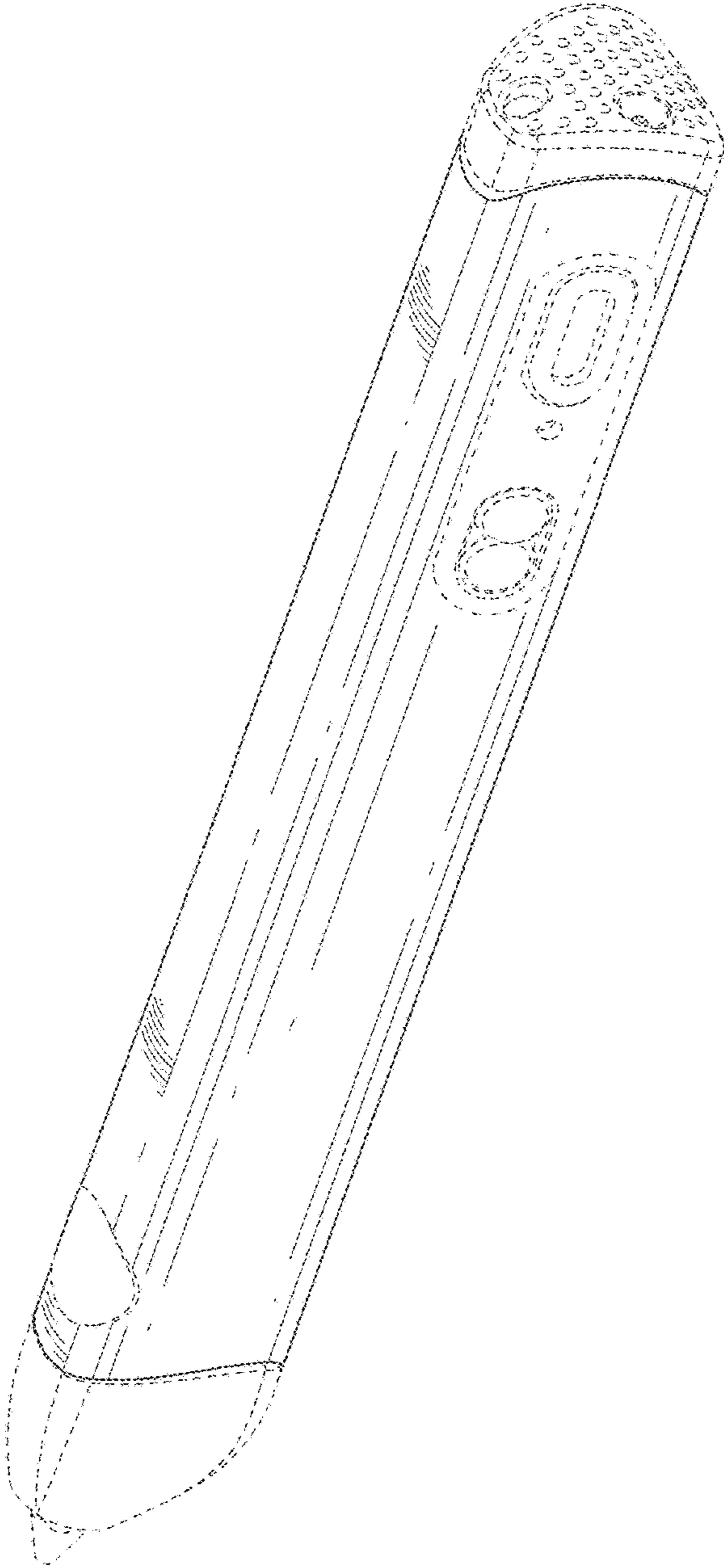


FIG.10

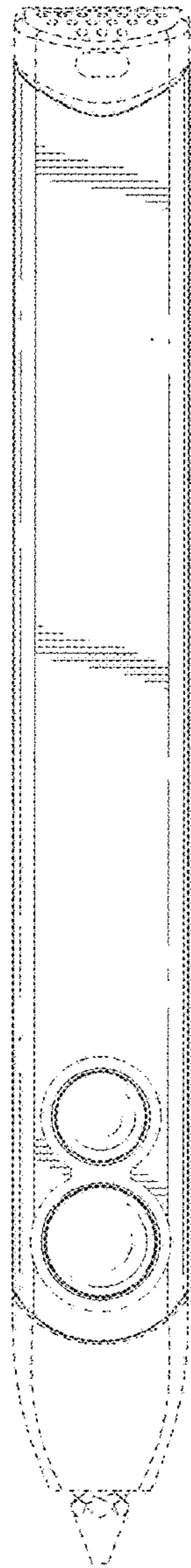


FIG. 11

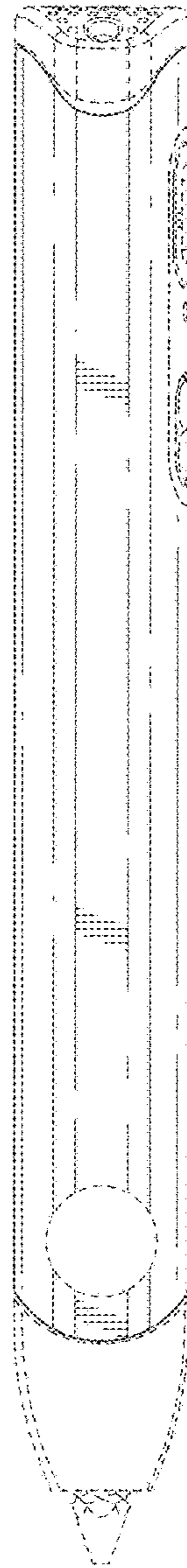


FIG. 12

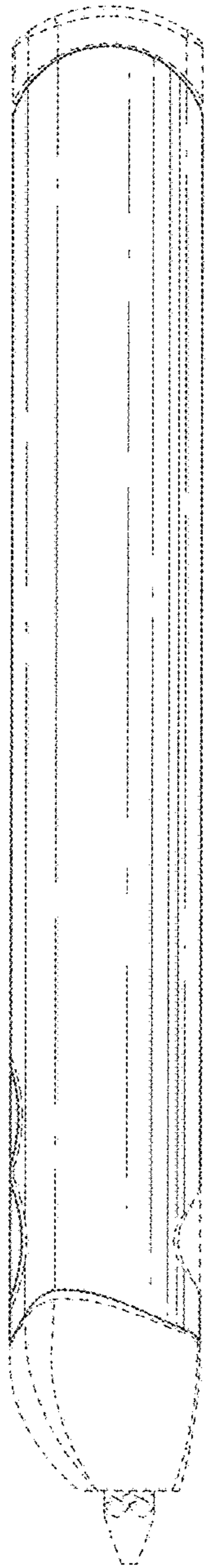


FIG. 13

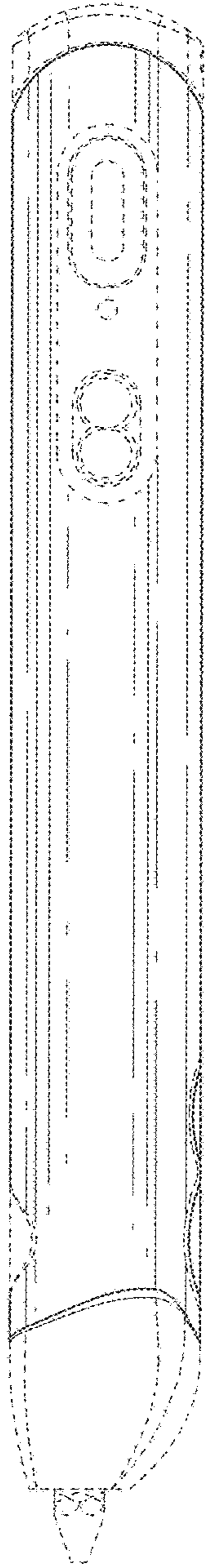


FIG. 14

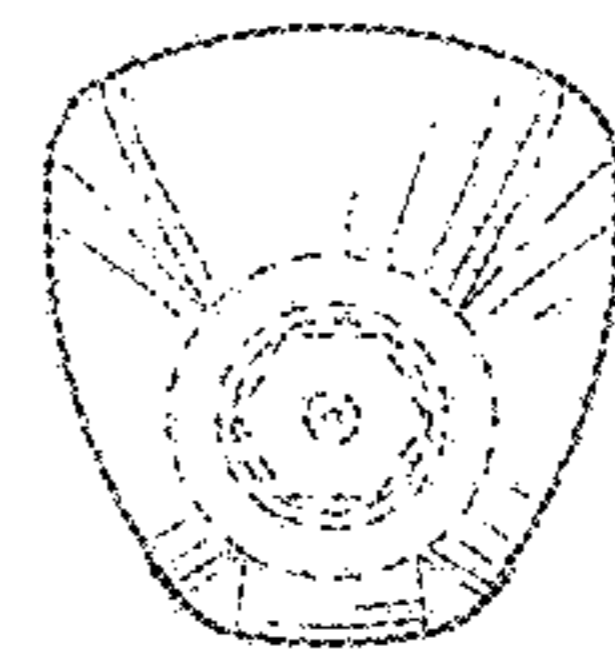


FIG. 15

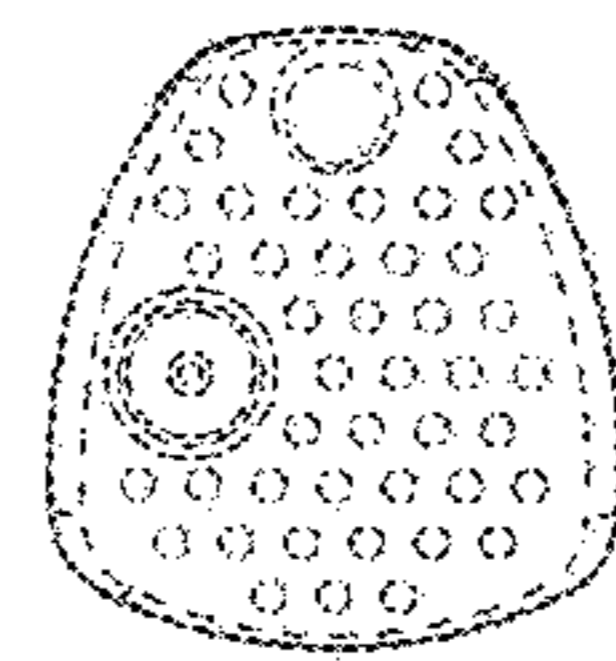


FIG. 16