



US00D834089S

(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

(71) Applicant: **WobbleWorks, Inc.**, Wilmington, DE (US)

CN 302680797 12/2013
CN 302781312 4/2014

(Continued)

(72) Inventors: **Thomas Walker**, Shenzhen (CN);
Peter Dilworth, Somerville, MA (US);
Maxwell Bogue, Hong Kong (HK);
Daniel Cowen, Hong Kong (HK)

OTHER PUBLICATIONS

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

(Continued)

(73) Assignee: **WobbleWorks, Inc.**, Wilmington, DE (US)

Primary Examiner — Elizabeth A. Albert

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

(74) *Attorney, Agent, or Firm* — McDermott Will & Emery LLP

(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**

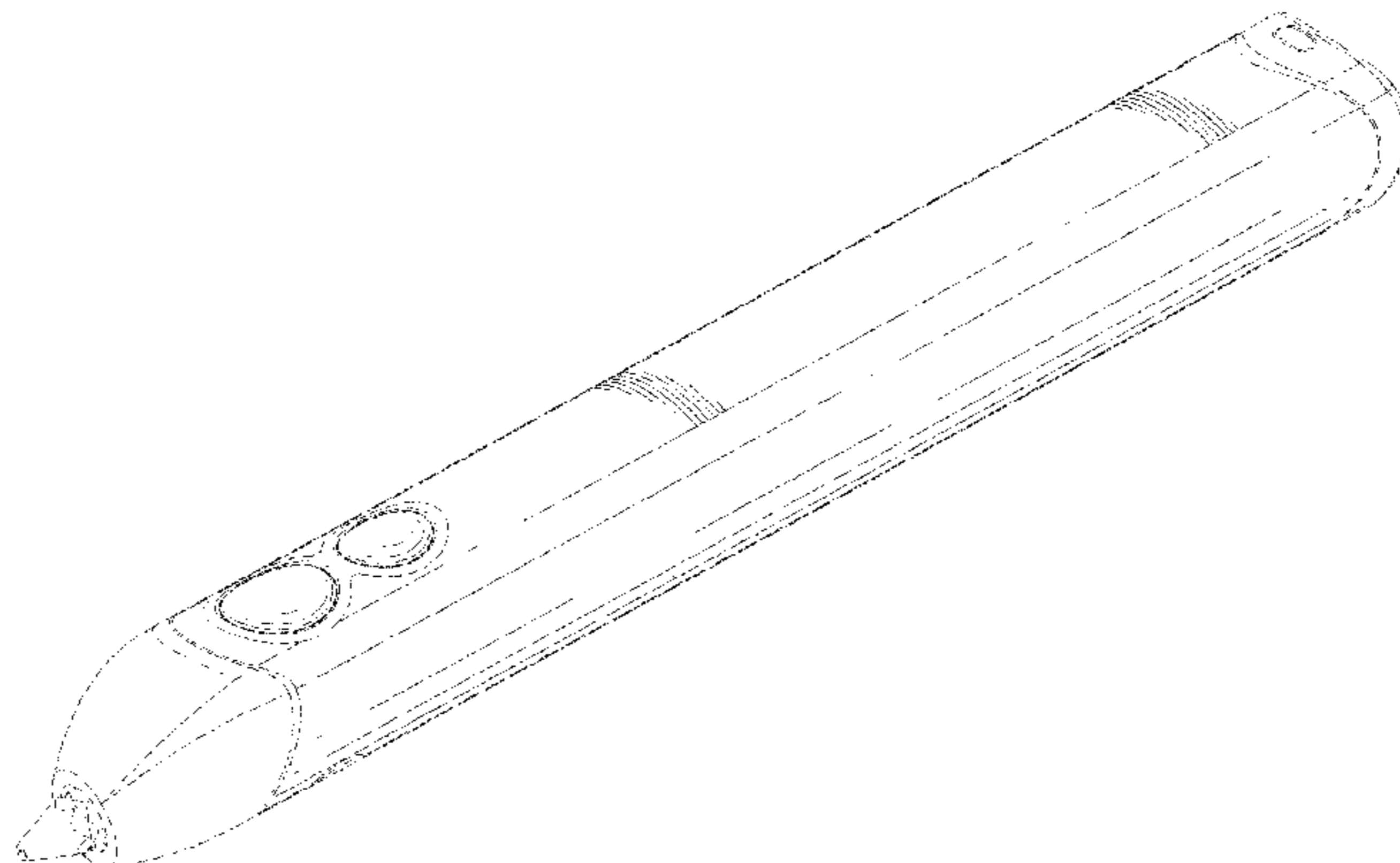
U.S. PATENT DOCUMENTS

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.
 “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.
 “3DSIMO: The Amazing 3D Pen,” Sep. 25, 2013, retrieved from 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-.
 “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/.
 “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.
 “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.
 “New OEM Model Leak!” Yaya Technology, Jan. 16, 2014, retrieved from 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/.
 “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.
 “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/.
 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.
 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/.

(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.

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.

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

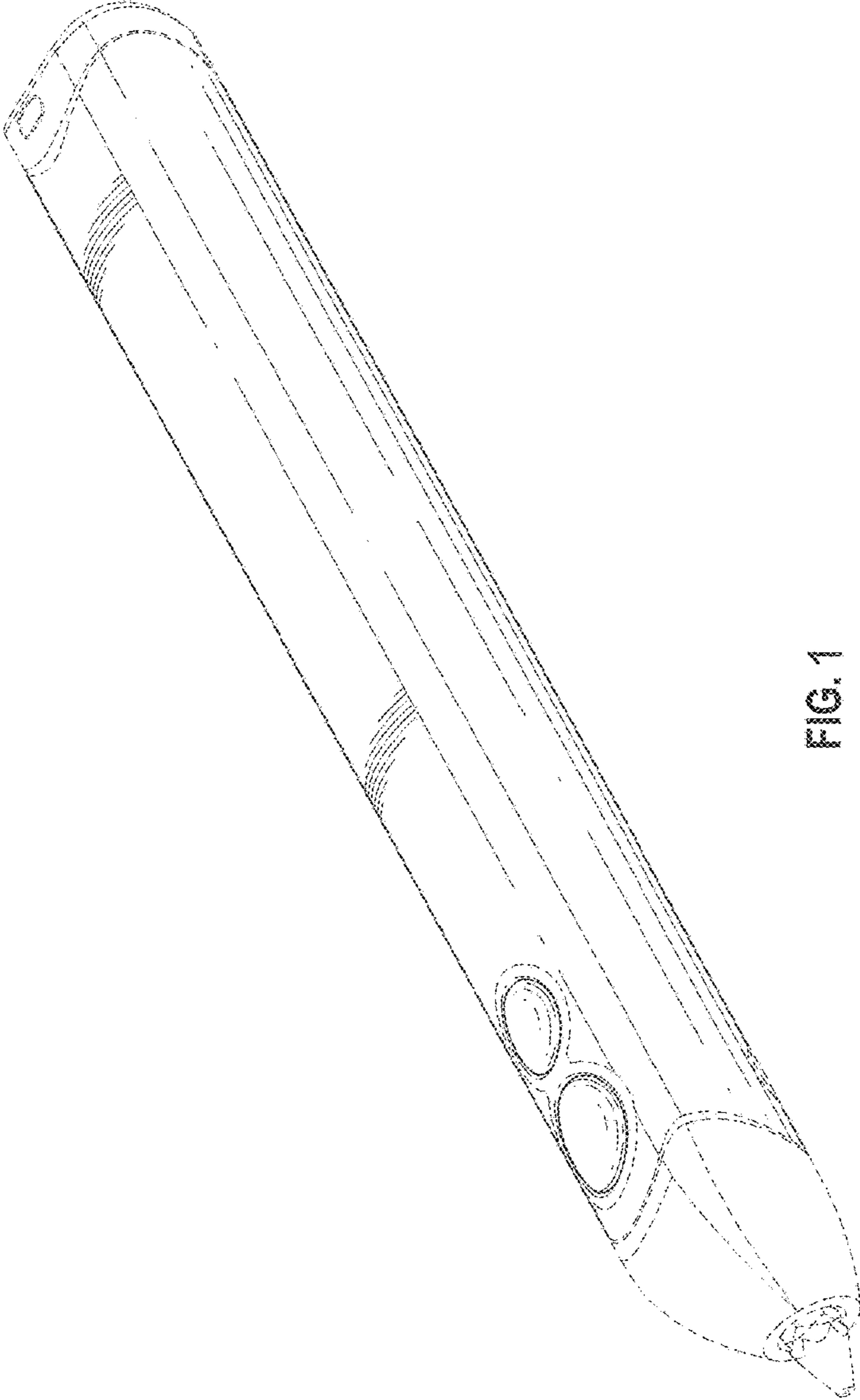


FIG. 1

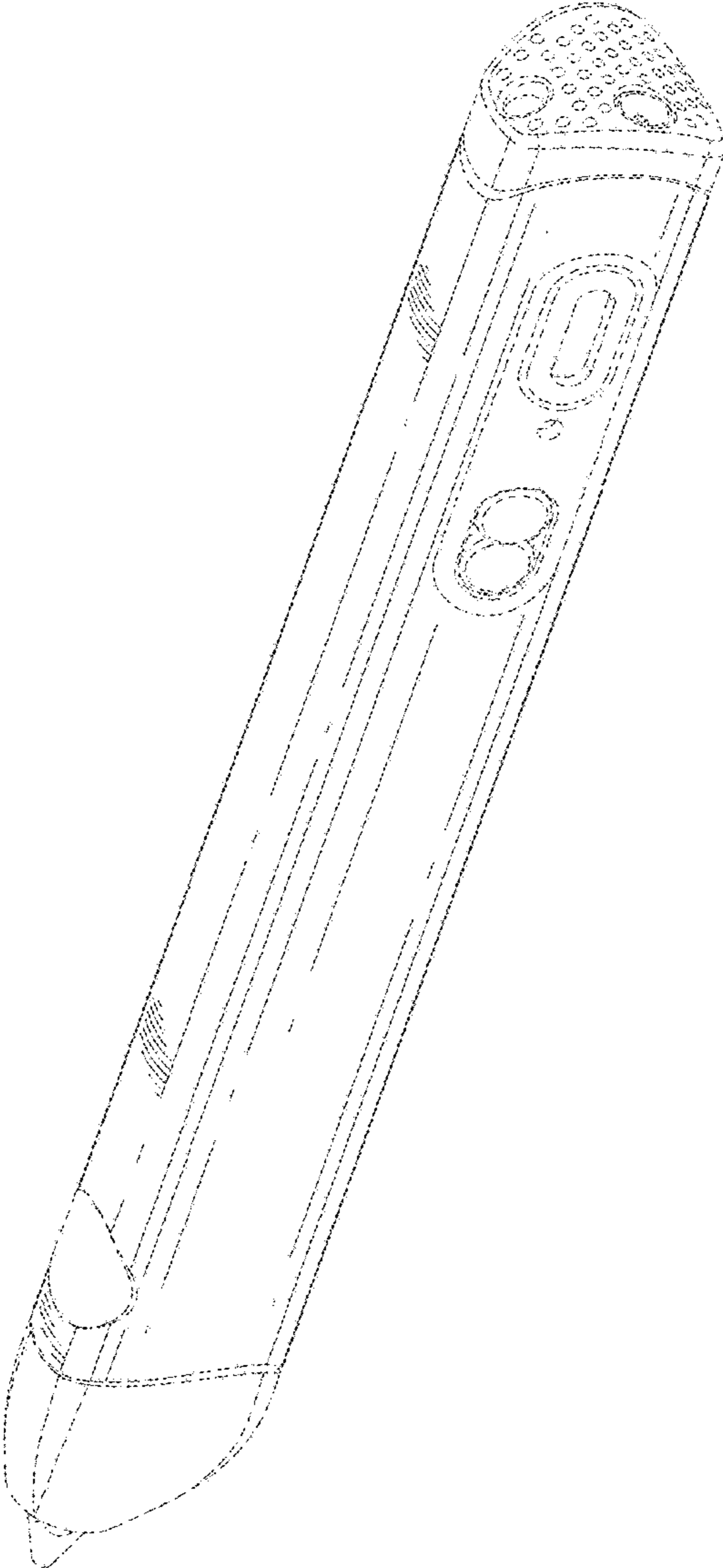


FIG.2

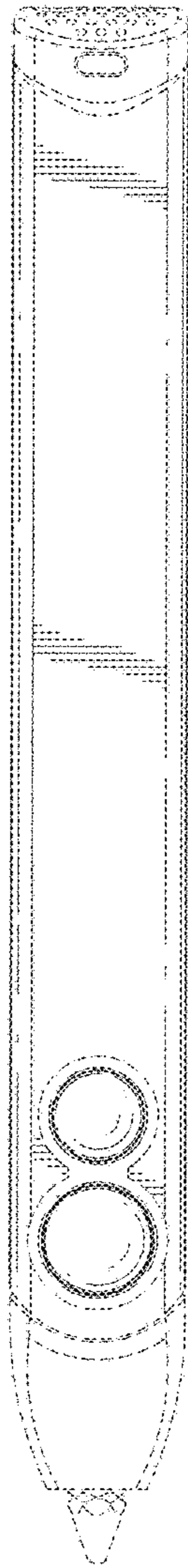


FIG. 3

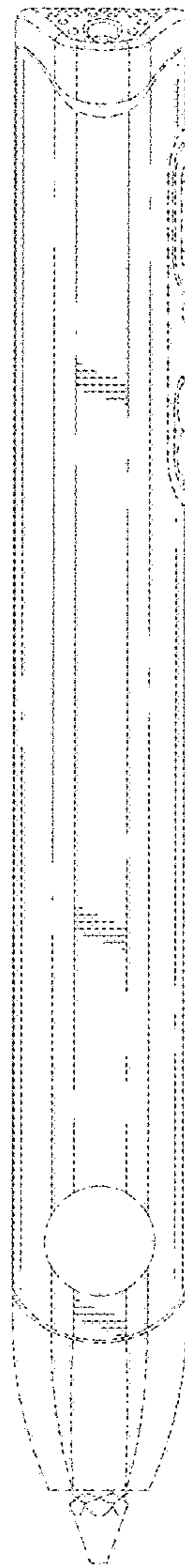


FIG. 4

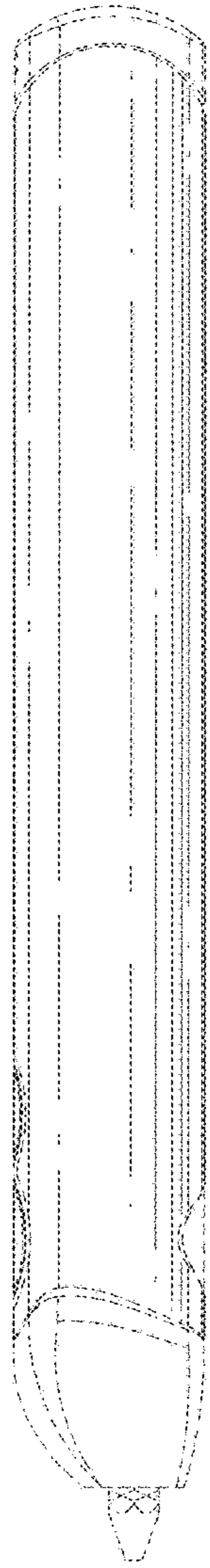


FIG. 5

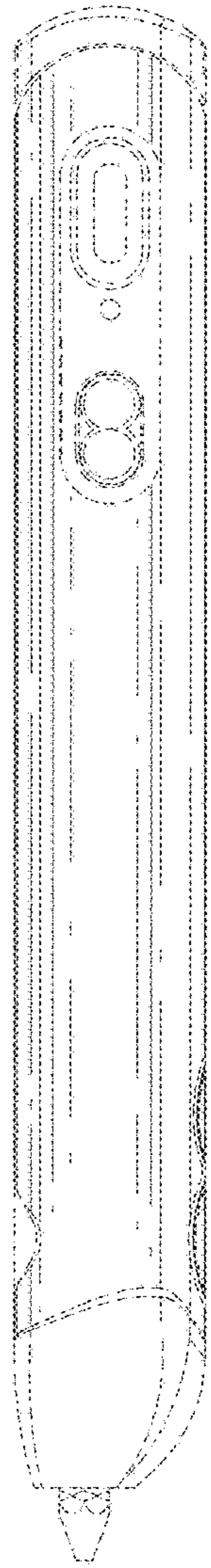


FIG. 6

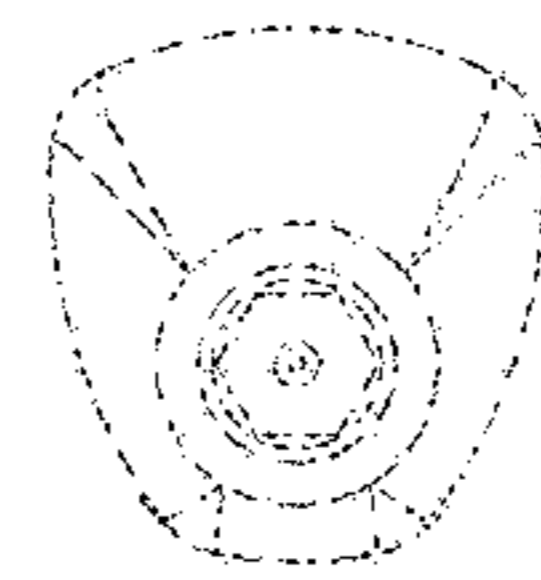


FIG. 7

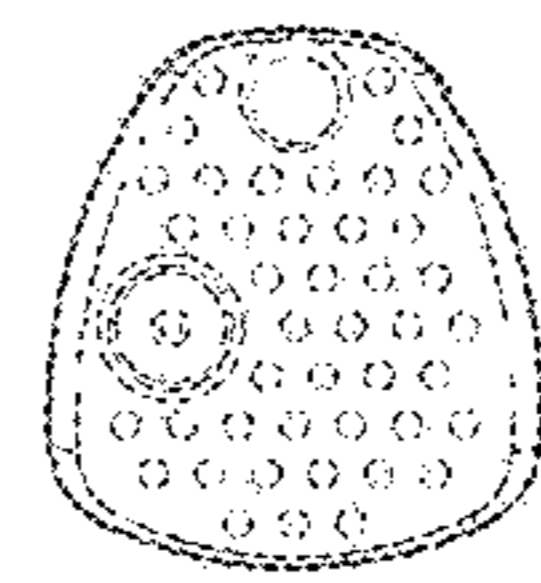


FIG. 8

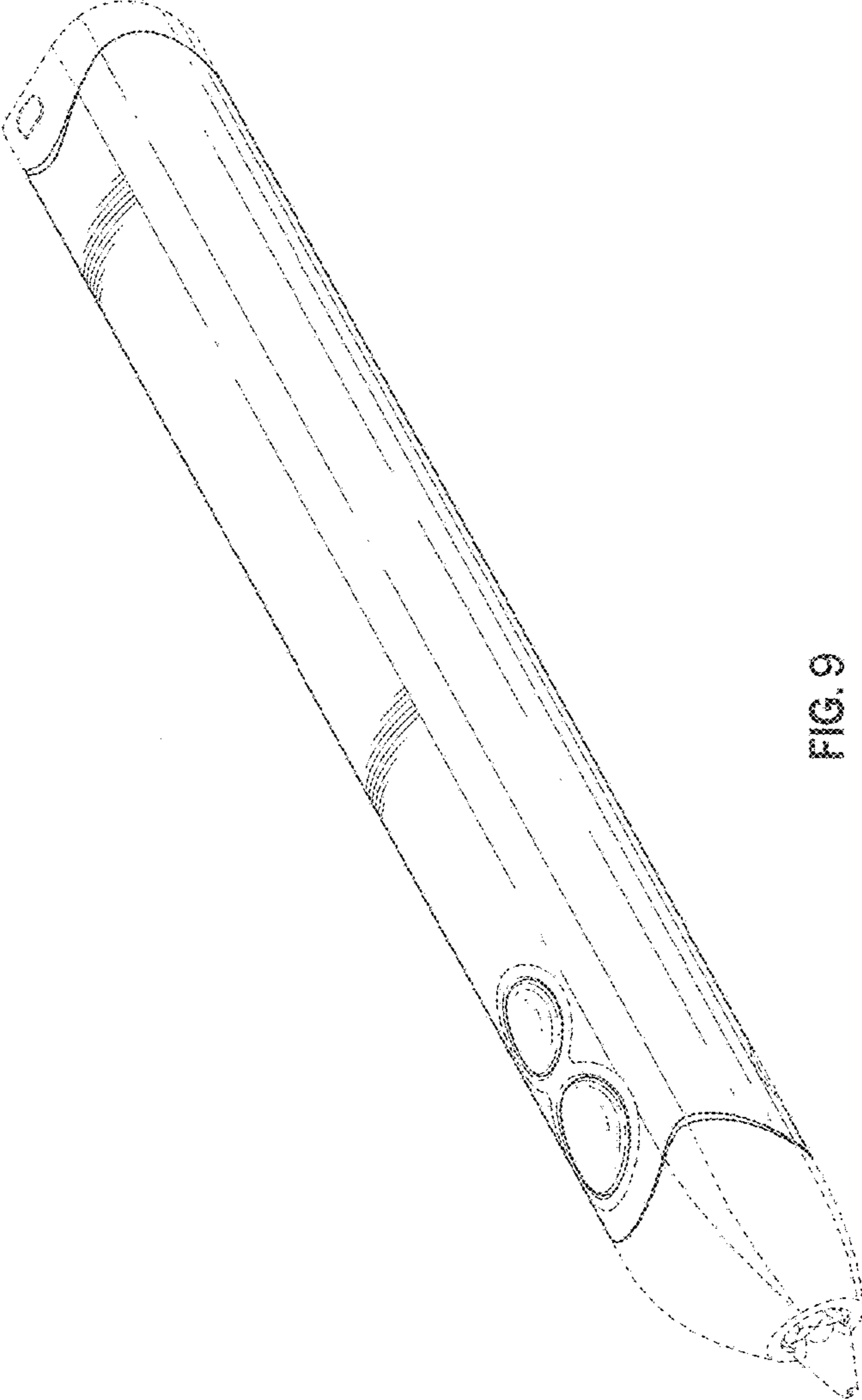


FIG. 9

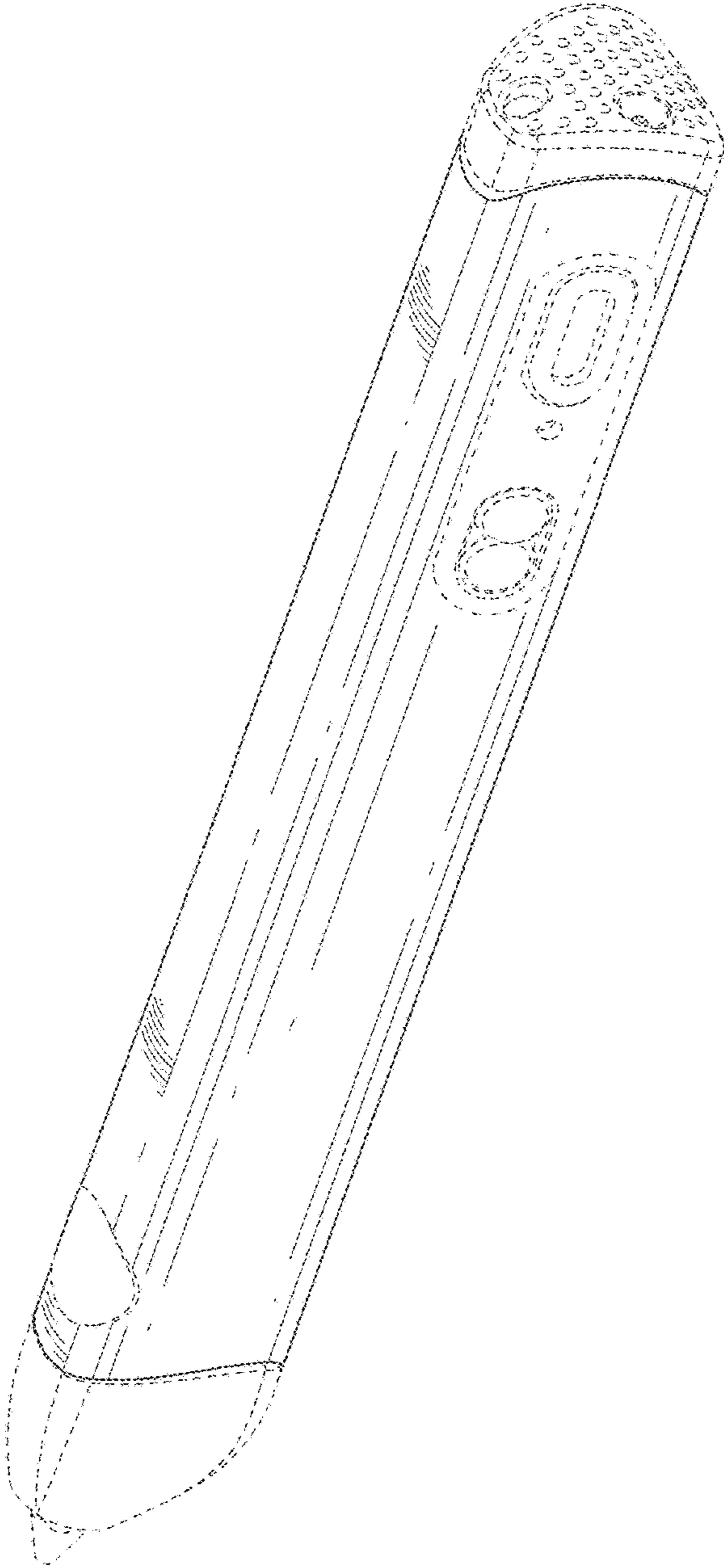


FIG.10

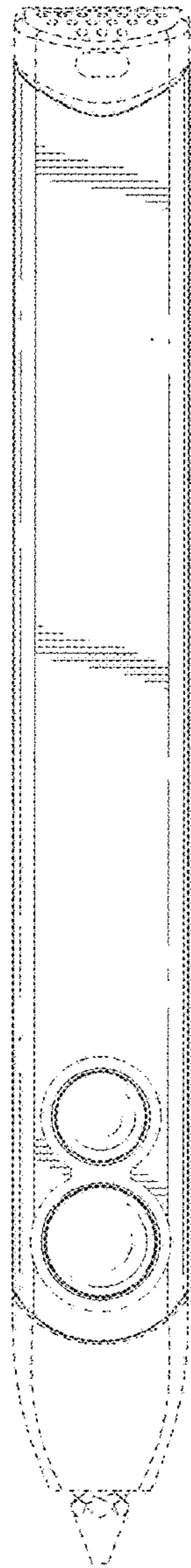


FIG. 11

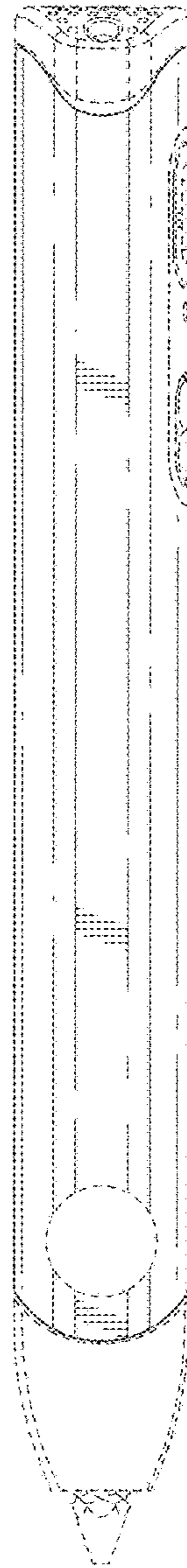


FIG. 12

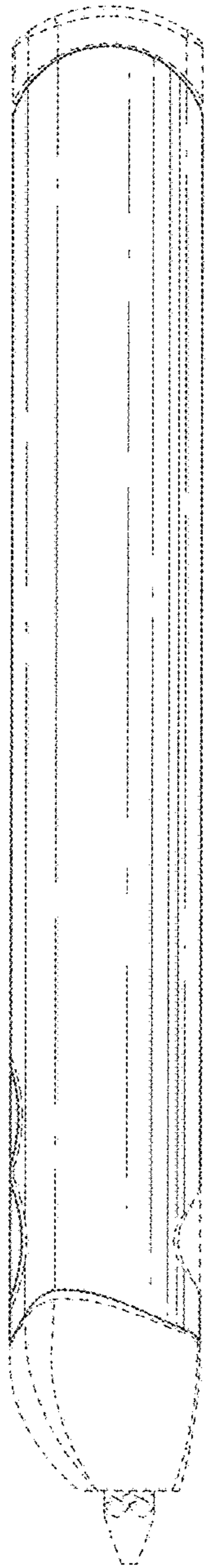


FIG. 13

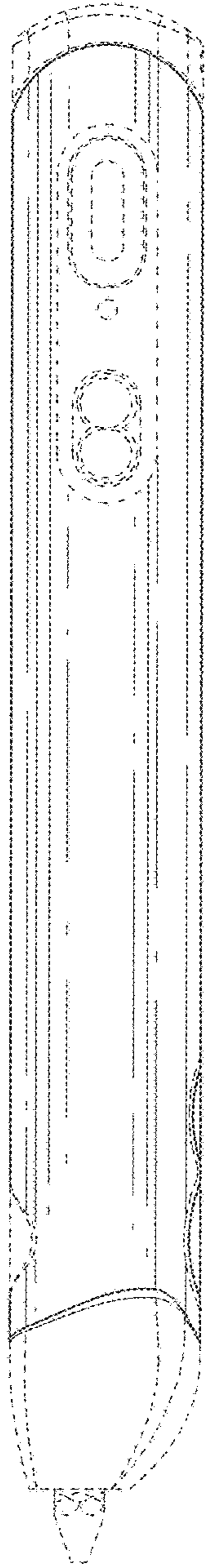


FIG. 14

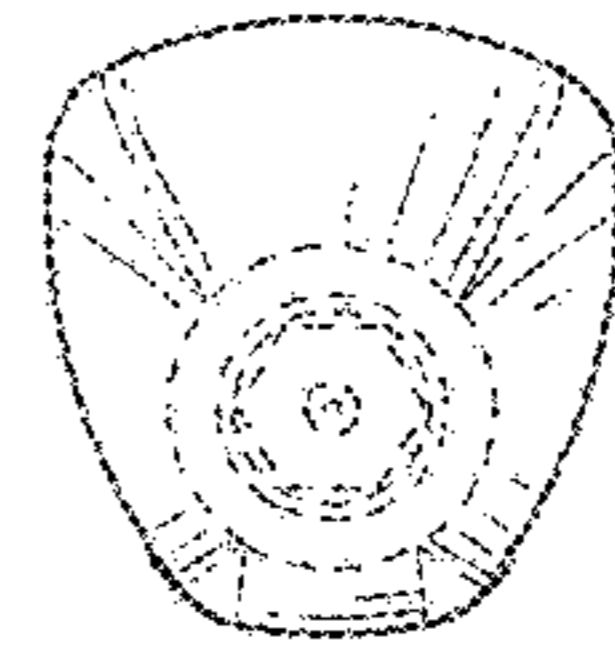


FIG. 15

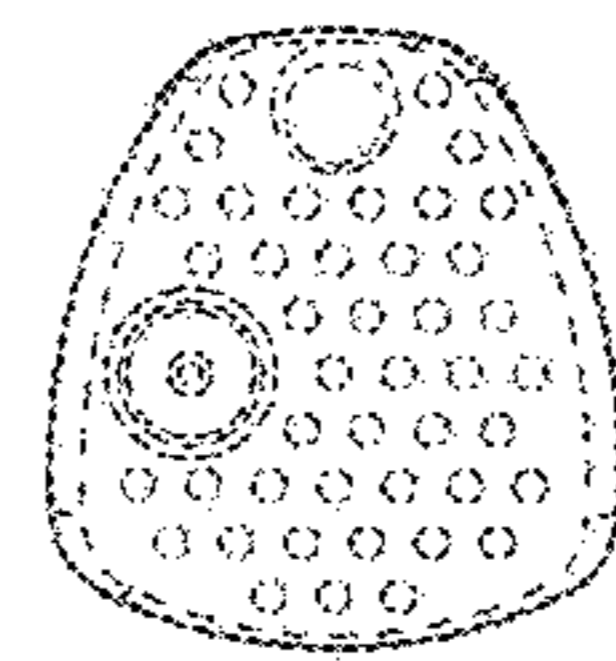


FIG. 16