US00D786871S

(12) **United States Design Patent**
Park et al.

(10) **Patent No.: US D786,871 S**
(45) **Date of Patent: ** May 16, 2017**

(54) **MULTI-TIP STYLUS PEN FOR TOUCH SCREEN DEVICES**

(71) Applicant: **CROSSEN, INC.**, Los Angeles, CA (US)

(72) Inventors: **Jason Jae Woo Park**, San Jose, CA (US); **Jay Hyong Woo**, La Mirada, CA (US); **Paul Minsok Yun**, Fullerton, CA (US)

(73) Assignee: **CROSSEN, INC.**, Los Angeles, CA (US)

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

(21) Appl. No.: **29/532,764**

(22) Filed: **Jul. 9, 2015**

Related U.S. Application Data

(63) Continuation of application No. 13/751,542, filed on Jan. 28, 2013, now abandoned.

(51) **LOC (10) Cl.** **07-05**
(52) **U.S. Cl.**
USPC **D14/411**
(58) **Field of Classification Search**
USPC D14/372, 496, 432, 371, 125, 126, 129, D14/299, 411; D16/300–342; 351/158,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,564,850 A 10/1996 Nagaoka
D390,872 S 2/1998 Sunaga
(Continued)

FOREIGN PATENT DOCUMENTS

KR 10-2010-0037493 11/2010
KR 10-2010-0050647 12/2010
(Continued)

OTHER PUBLICATIONS

Amazon Basics Multi-Tip Stylus for Kindle, http;//www.amazon.com/AmazonBasics-Multi-Tip-Stylus-Touchscreen-Devices/dp/B008HJGPVO/ref=sr_1_1?ie=UTF8&qid=1360888391&sr=8-1&keywords=amazonbasics+multi-tip+stylus, printed Feb. 1, 2013.
(Continued)

Primary Examiner — Austin Murphy
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear LLP

(57) **CLAIM**

The ornamental design for a multi-tip stylus pen for touch screen devices, as shown and described.

DESCRIPTION

FIG. **1** is an elevational side view of a multi-tip stylus pen for touch screen devices embodying my new design, with a cap member covering a portion of a body member and showing first and second stylus tip members, where an input to a touch screen device made in the form of a hand-drawn picture made using the multi-tip stylus pen is shown in the background for environment.

FIG. **2** is an elevational side view of the multi-tip stylus pen for touch screen devices.

FIG. **3** is an elevational side view thereof with the cap member disengaged from the body member, showing first, second, and third stylus tip members, the opposite elevational side view being identical.

FIG. **4** is a close up view of an end of the cap member of FIG. **3** showing the first tip member.

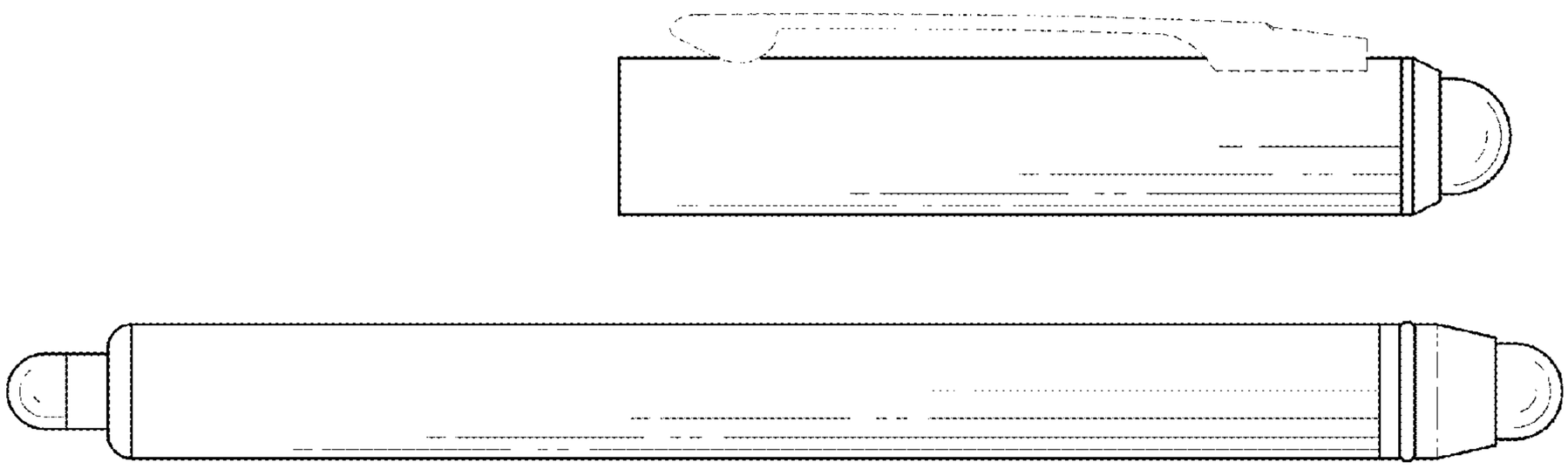
FIG. **5** is an end view of the cap member illustrated in FIG. **4**.

FIG. **6** is a close up view of a first end of the body member of FIG. **3** showing the second tip member.

FIG. **7** is a first end view of the body member of FIG. **6**; and,

FIG. **8** is a second end view of the body member of FIG. **3** showing the third tip member.

Broken lines are used to illustrate features of the multi-tip stylus pen for touch screen devices which form no part of the claimed design. In FIG. **1**, the stylus pen is shown against a
(Continued)



touch screen device, which represents an environment which forms no part of the claimed design.

1 Claim, 6 Drawing Sheets

(58) **Field of Classification Search**
USPC 351/153, 144; 345/7–9, 905; 455/344; 348/115, 53, 121, 739
CPC G02B 27/017; G06F 3/016; G06F 3/033; G06F 3/0317; G06F 3/03545; G06F 3/041; G06K 9/222
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,913,629	A		6/1999	Hazzard
6,227,743	B1		5/2001	Robb
6,361,232	B1		3/2002	Nagaoka et al.
6,707,451	B1		3/2004	Nagaoka
D497,387	S		10/2004	Cetera
8,130,213	B2		3/2012	No et al.
D670,289	S	*	11/2012	Bae D14/411
D684,578	S	*	6/2013	Son D14/411
D704,188	S	*	5/2014	Leung D14/411
D708,616	S	*	7/2014	Nakata D14/411
D709,070	S	*	7/2014	Leung D14/411
D716,814	S	*	11/2014	Nakata D14/411
D717,301	S	*	11/2014	Groene D14/411
D717,303	S	*	11/2014	Huang D14/411
D719,164	S	*	12/2014	Laemle D14/411
D725,112	S	*	3/2015	Bo D14/411
D752,050	S	*	3/2016	Zhang D14/411
D752,589	S	*	3/2016	Zhang D14/411
D754,661	S	*	4/2016	Nishizawa D14/411
D768,133	S	*	10/2016	Reed D14/411
D773,462	S	*	12/2016	Mitchell D14/411
2004/0008189	A1		1/2004	Clapper et al.
2004/0150632	A1		8/2004	Clapper
2005/0078096	A1		4/2005	Fan
2009/0008162	A1		1/2009	Yang et al.
2009/0262637	A1		10/2009	Badaye et al.
2010/0212976	A1		8/2010	Baba
2011/0261026	A1		10/2011	Kim et al.
2011/0273376	A1		11/2011	Dickinson et al.
2012/0086664	A1		4/2012	Leto
2012/0098798	A1		4/2012	Lee
2012/0194484	A1		8/2012	Lehman
2012/0262429	A1		10/2012	Hsu et al.
2012/0268428	A1		10/2012	Nakata et al.
2013/0038579	A1		2/2013	Boyd et al.
2013/0106793	A1		5/2013	Lai
2013/0135262	A1		5/2013	Alameh et al.

FOREIGN PATENT DOCUMENTS

WO	WO 2011/149157 A1	1/2011
WO	WO 2011/132822 A1	10/2011

OTHER PUBLICATIONS

Autopoint™ Sylus Plus, http://autopointinc.com/sytlusplus/pens/multi-point-pens/3-way-multi-action.html, printed Feb. 1, 2013.
CONSAC,"Introduction to Consac Stylus,"(presentation slides in Korean), received from CONSAC circa Oct. 2012, pp. 1-6, published in Seoul, Korea. The presentation discusses technical details of 12 stylus pens made by Consac, a Korean Corporation, whose technical features are described in U.S. patent documents and foreign patent documents cited in Refs. 1-6 above (see p. 2 of the presentation).
GearUSA Capacitive Stylus Pen with Laser Pointer and LED Light, http://www.igearusa.com/capacitive-stylus-pen-with-laser-pointer-and-led-light/, printed Feb. 1, 2013.
GearUSA Dual Tip Stylus Touch Pen, http://www.igearusa.com/dual-tip-stylus-touch-pen/, printed Feb. 1, 2013.
More Real Stylus Caps, http://more-real.com/, printed Feb. 1, 2013.

* cited by examiner

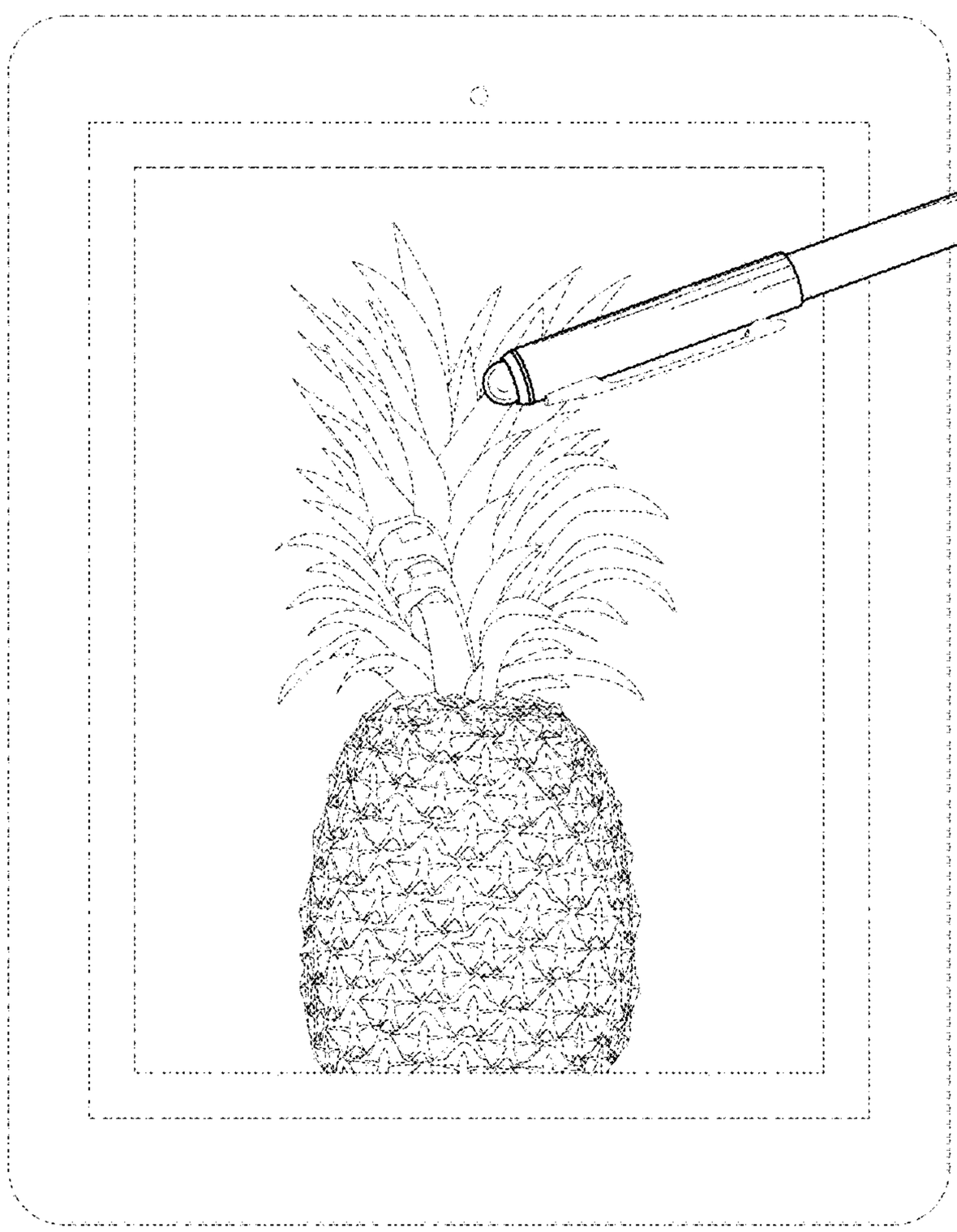


FIG. 1

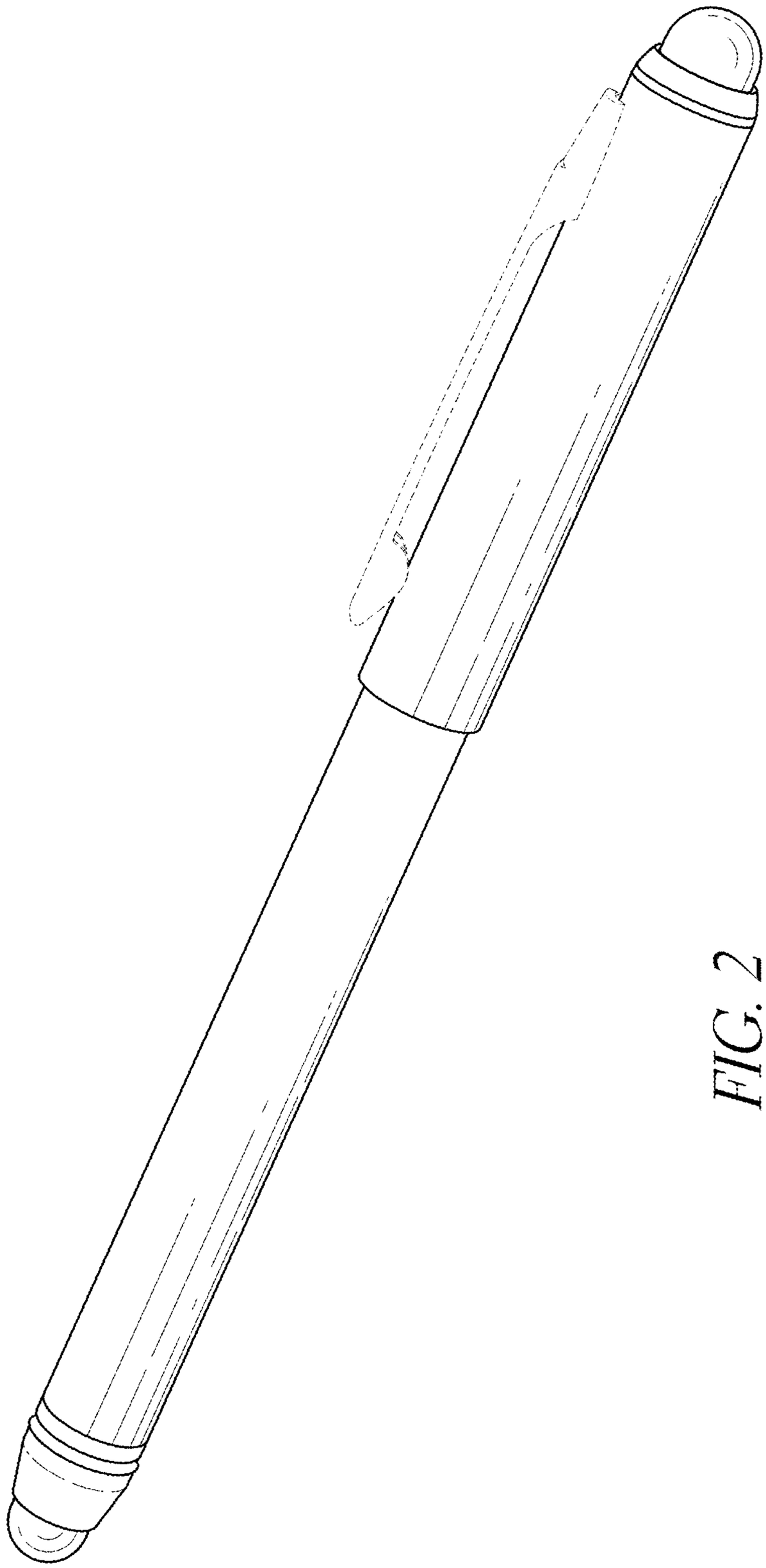


FIG. 2

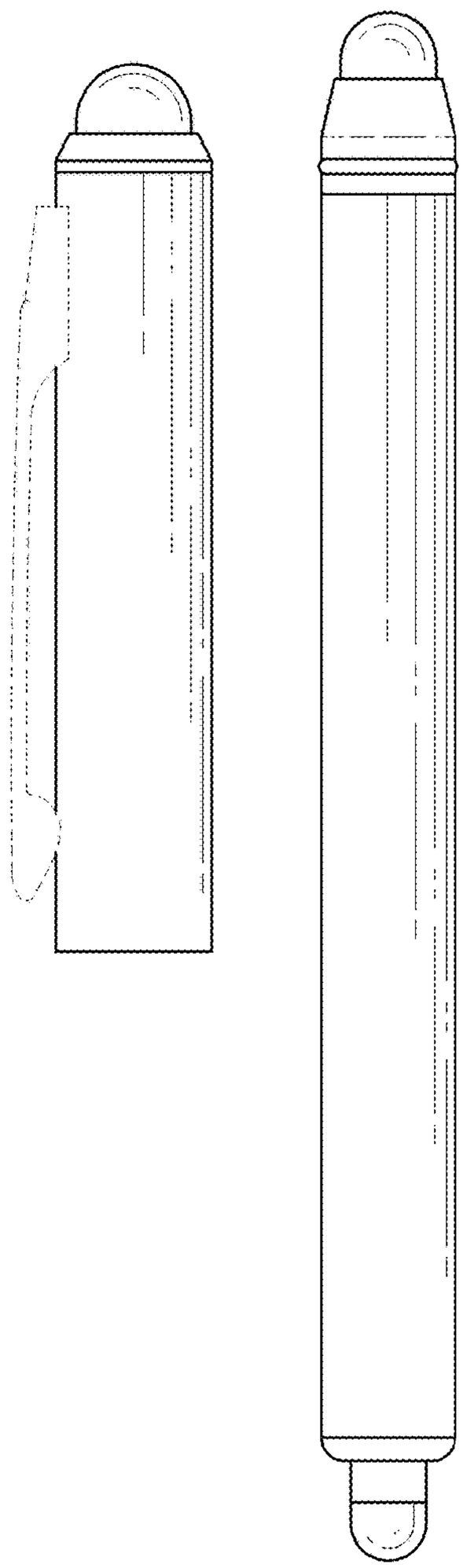


FIG. 3

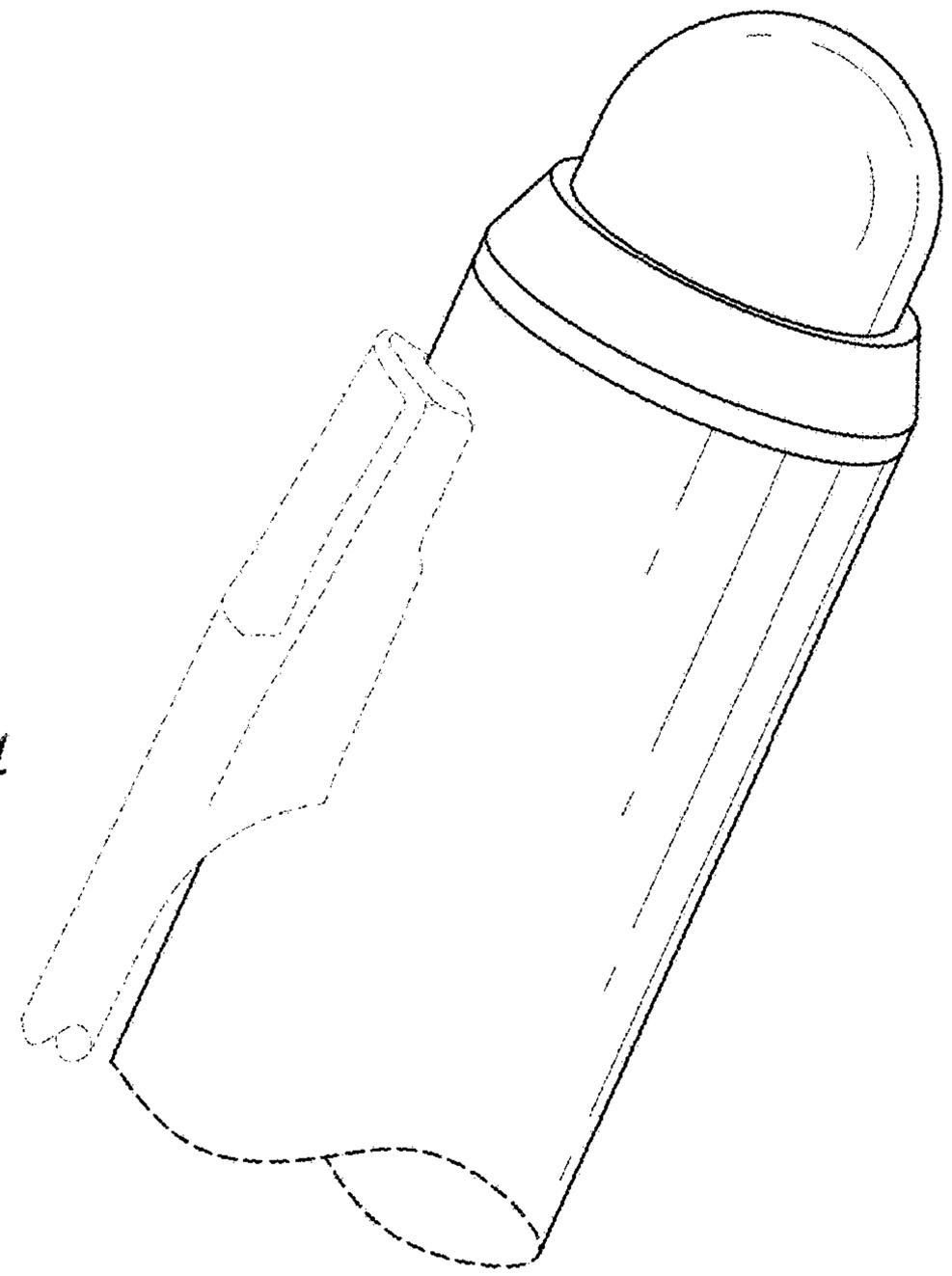


FIG. 4

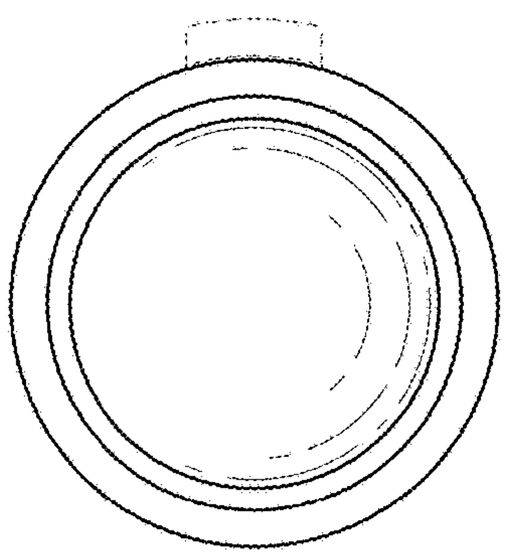


FIG. 5

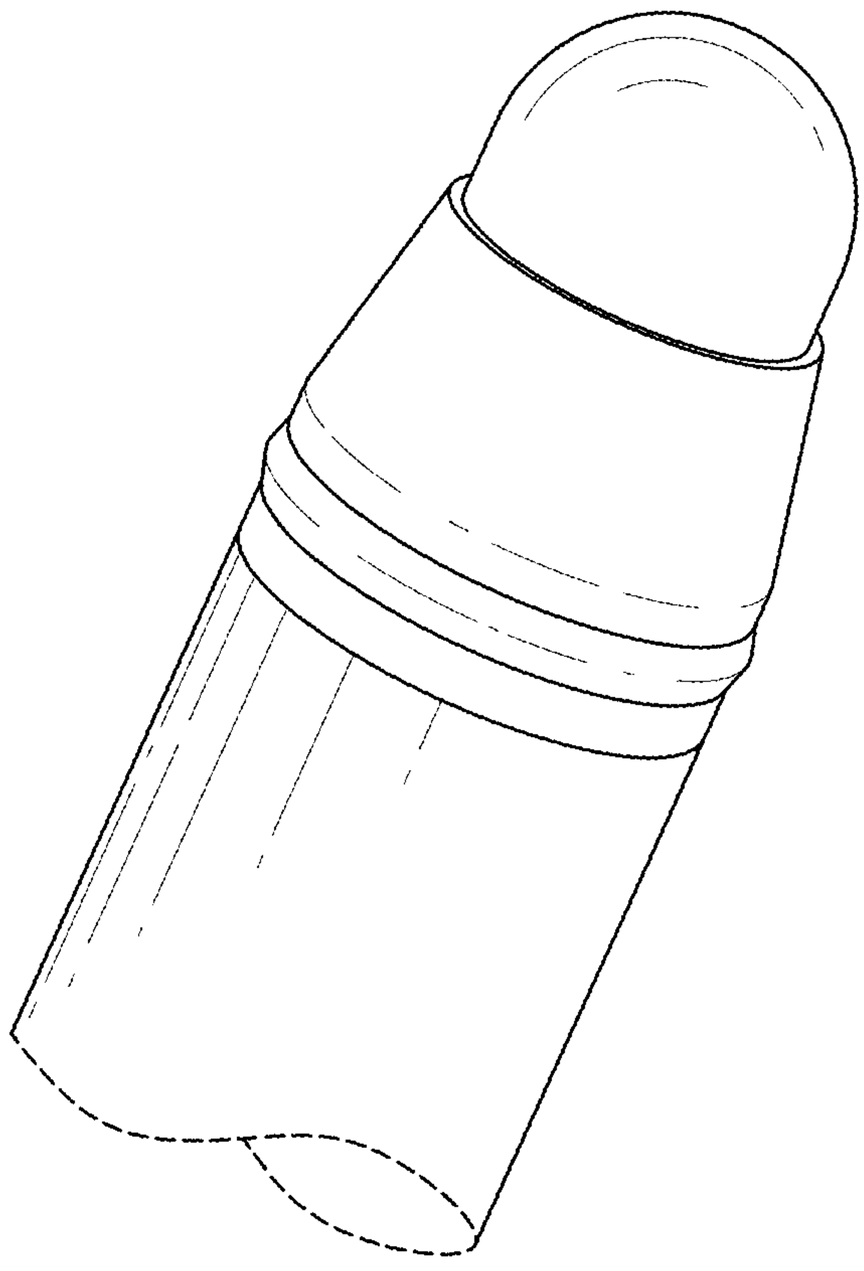


FIG. 6

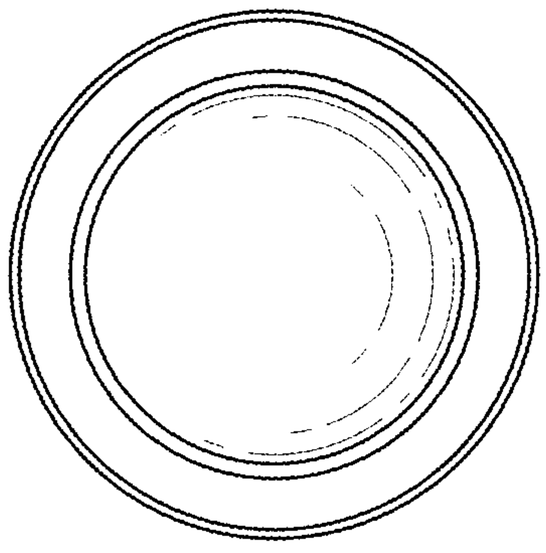


FIG. 7

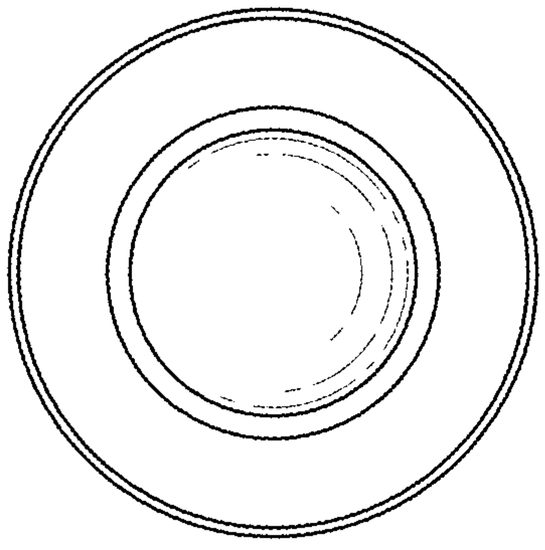


FIG. 8