



US00D979751S

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

(10) **Patent No.:** **US D979,751 S**

(45) **Date of Patent:** **** Feb. 28, 2023**

(54) **IMPLANTING, SENSING AND READING DEVICE**

DESCRIPTION

(71) Applicant: **NXTSENS MICROSYSTEMS INC.**,
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Montreal (CA)

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(CA)

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

(21) Appl. No.: **29/695,218**

(22) Filed: **Jun. 17, 2019**

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/133**

(58) **Field of Classification Search**
USPC D24/112–114, 108, 130, 127, 187, 133
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D319,697 S * 9/1991 Prindle D24/141
D359,803 S * 6/1995 Stanton D24/167
(Continued)

OTHER PUBLICATIONS

International Search Report issued in International Patent Application PCT/IB2018/051712 dated Jul. 3, 2018.

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Assistant Examiner — Kelly L Gross

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(57) **CLAIM**

The ornamental design for an implanting, sensing and reading device, as shown and described.

FIG. 1 is a perspective view taken from a front, right side of an implanting, sensing and reading device according to an embodiment of our design;

FIG. 2 is a perspective, exploded view taken from a rear, right side thereof;

FIG. 3 is a left side elevation view thereof, the right side being a mirror image of the left side;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a front elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a perspective view taken from a front, right side of an inserting unit of the implanting, sensing and reading device of FIG. 1;

FIG. 9 is a left side elevation view thereof, the right side being a mirror image of the left side;

FIG. 10 is a close-up view of portion 10 of FIG. 9;

FIG. 11 is a rear elevation view of the inserting unit of the implanting, sensing and reading device of FIG. 8;

FIG. 12 is a front elevation view thereof;

FIG. 13 is a top plan view thereof;

FIG. 14 is a close-up view of portion 14 of FIG. 13;

FIG. 15 is a bottom plan view of the inserting unit of the implanting, sensing and reading device of FIG. 8;

FIG. 16 is a close-up view of portion 16 of FIG. 15;

FIG. 17 is a perspective view taken from a front, right side of a sensing and reading unit of the implanting, sensing and reading device of FIG. 1;

FIG. 18 is a left side elevation view thereof, the right side being a mirror image of the left side;

FIG. 19 is a close-up view of portion 19 of FIG. 18;

FIG. 20 is a rear elevation view of the sensing and reading unit of the implanting, sensing and reading device of FIG. 17;

FIG. 21 is a front elevation view thereof;

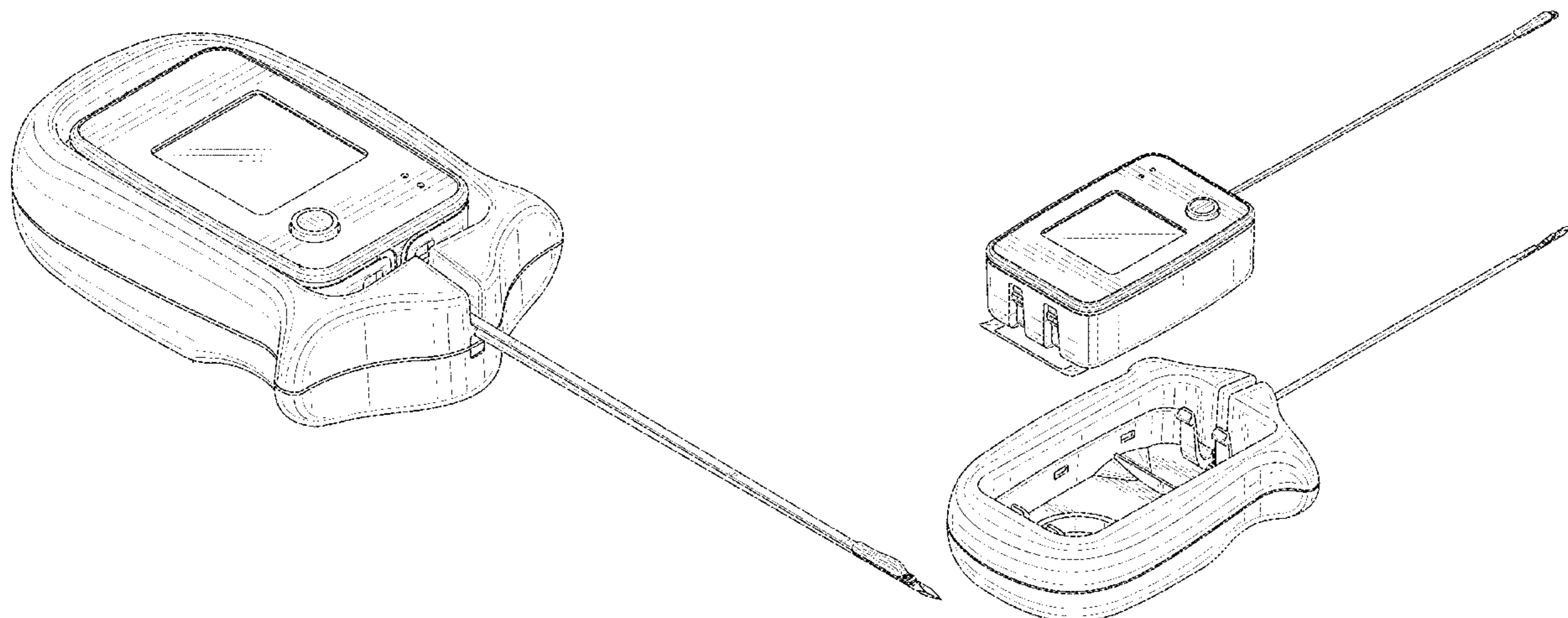
FIG. 22 is a top plan view thereof;

FIG. 23 is a close-up view of portion 23 of FIG. 22;

FIG. 24 is a bottom plan view of the sensing and reading unit of the implanting, sensing and reading device of FIG. 17; and,

FIG. 25 is a close-up view of portion 25 of FIG. 24.

(Continued)



The even length broken lines in FIGS. 9, 10, 13, 14, 15, 16, 18, 19, 22, 23, 24, and 25 are for the purpose of depicting the boundary lines of the partial, enlarged views and form no part of the claimed design. The dot-dash lines illustrate boundaries of the claimed design and do not form part of the claimed design.

1 Claim, 22 Drawing Sheets

(58) Field of Classification Search

CPC A61M 5/178; A61M 5/20; A61M 5/31; A61M 5/3146; A61M 5/3129; A61M 5/3148; A61M 5/315; A61M 3/00; A61B 17/3468; A61B 2560/063; A61B 5/686
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D368,961 S * 4/1996 Himbert D24/114
D369,864 S * 5/1996 Petersen D24/231
D371,198 S * 6/1996 Savage D24/186
D418,601 S * 1/2000 McGugan D19/934
D428,493 S * 7/2000 Radwanski D24/186
D460,053 S * 7/2002 Choi D13/168
D479,325 S * 9/2003 Tyce D24/114
D479,598 S * 9/2003 Tyce D24/114
D479,746 S * 9/2003 Tyce D24/114
D497,990 S * 11/2004 Jutila D24/146
D514,095 S * 1/2006 Wilson D14/223
D523,144 S * 6/2006 Wenger D24/155
D532,026 S * 11/2006 Sosniak D16/130
D533,939 S * 12/2006 Root D24/138
D536,792 S * 2/2007 Krueger D24/147
D538,940 S * 3/2007 Baldachini D24/209
D544,092 S * 6/2007 Lewis D24/111
D545,965 S * 7/2007 Shigemori D24/138
D559,987 S * 1/2008 Strother D24/187
D566,273 S * 4/2008 Gutmann D24/146
D581,529 S * 11/2008 Moehle D24/130
D590,509 S * 4/2009 Costa D24/186
D596,754 S * 7/2009 Cote D24/222
D599,030 S * 8/2009 Cote D24/222
D607,433 S * 1/2010 Drori D24/186
D634,432 S * 3/2011 Liedtke D24/169
7,920,906 B2 4/2011 Goode et al.
D637,287 S * 5/2011 Mudd D24/133
D640,374 S * 6/2011 Liu D24/133
D665,909 S * 8/2012 Dodd D24/146
D668,336 S * 10/2012 Yanagawa D24/144
D668,566 S * 10/2012 Dunkin D10/104.1
D668,567 S * 10/2012 Dunkin D10/104.1
D669,165 S * 10/2012 Estes D24/111
D671,644 S * 11/2012 Dodd D24/146
D674,913 S * 1/2013 Koop D24/222
D691,258 S * 10/2013 Estes D24/111

D695,391 S * 12/2013 Takemoto D24/113
D695,392 S * 12/2013 Tani D24/113
D695,393 S * 12/2013 Tani D24/113
D695,394 S * 12/2013 Takemoto D24/113
D695,395 S * 12/2013 Tani D24/113
D699,347 S * 2/2014 Dodd D24/146
D704,836 S * 5/2014 Shiao D24/141
D706,422 S * 6/2014 Ziegler D24/146
D714,167 S * 9/2014 Hyllbrant D10/46
D723,705 S * 3/2015 Mininger D24/200
D724,203 S * 3/2015 McLoughlin D24/113
D725,522 S * 3/2015 Kousuge D24/186
D725,768 S * 3/2015 Eustis D24/165
D726,901 S * 4/2015 McLoughlin D24/113
D732,410 S * 6/2015 Waaler D24/113
D732,411 S * 6/2015 Waaler D24/113
D732,677 S * 6/2015 Kristensen D24/200
D733,900 S * 7/2015 Hagege D24/200
D745,661 S * 12/2015 Collins D24/111
D752,736 S * 3/2016 Chandrasenan D24/111
D758,004 S * 5/2016 Freshwater D27/163
D758,655 S * 6/2016 Freshwater D27/163
D758,656 S * 6/2016 Freshwater D27/163
D766,424 S * 9/2016 Anderson D24/111
D775,728 S * 1/2017 Cavada D24/144
D777,906 S * 1/2017 Anderson D24/111
D801,525 S * 10/2017 Ohno D24/138
D802,132 S * 11/2017 Ohno D24/138
D806,233 S * 12/2017 Wolper D24/112
D809,652 S * 2/2018 Snyder D24/112
D811,459 S * 2/2018 Fang D16/130
D813,376 S * 3/2018 Peret D24/111
D815,730 S * 4/2018 Collins D24/111
D819,811 S * 6/2018 Ohno D24/138
D820,446 S * 6/2018 Ohno D24/138
D829,212 S * 9/2018 Bidwell D14/426
D831,194 S * 10/2018 Petersen D24/111
D831,820 S * 10/2018 Petersen D24/111
D831,821 S * 10/2018 Petersen D24/111
D840,532 S * 2/2019 Glocker D24/113
D846,738 S * 4/2019 Kalina, Jr. D24/133
D850,308 S * 6/2019 Yun D10/78
D850,612 S * 6/2019 Glocker D24/129
D899,588 S * 10/2020 Harkin D24/127
D901,683 S * 11/2020 Kalina, Jr. D24/127
D907,232 S * 1/2021 Reber D24/216
D908,204 S * 1/2021 Casiello D24/108
D911,520 S * 2/2021 Lin D24/134
D912,810 S * 3/2021 Harry D24/133
D921,191 S * 6/2021 Tani D24/113
D923,500 S * 6/2021 Jiang D10/78
D930,294 S * 9/2021 Jia D10/104.1
D932,095 S * 9/2021 Liu D27/162
D934,417 S * 10/2021 Harkin D24/127
D935,101 S * 11/2021 Tan D28/58
D936,205 S * 11/2021 Casiello D24/108
D936,827 S * 11/2021 Wang D24/138
D938,585 S * 12/2021 Kalina, Jr. D24/133
2010/0081875 A1 4/2010 Fowler et al.
2012/0143029 A1 6/2012 Silverstein et al.

* cited by examiner

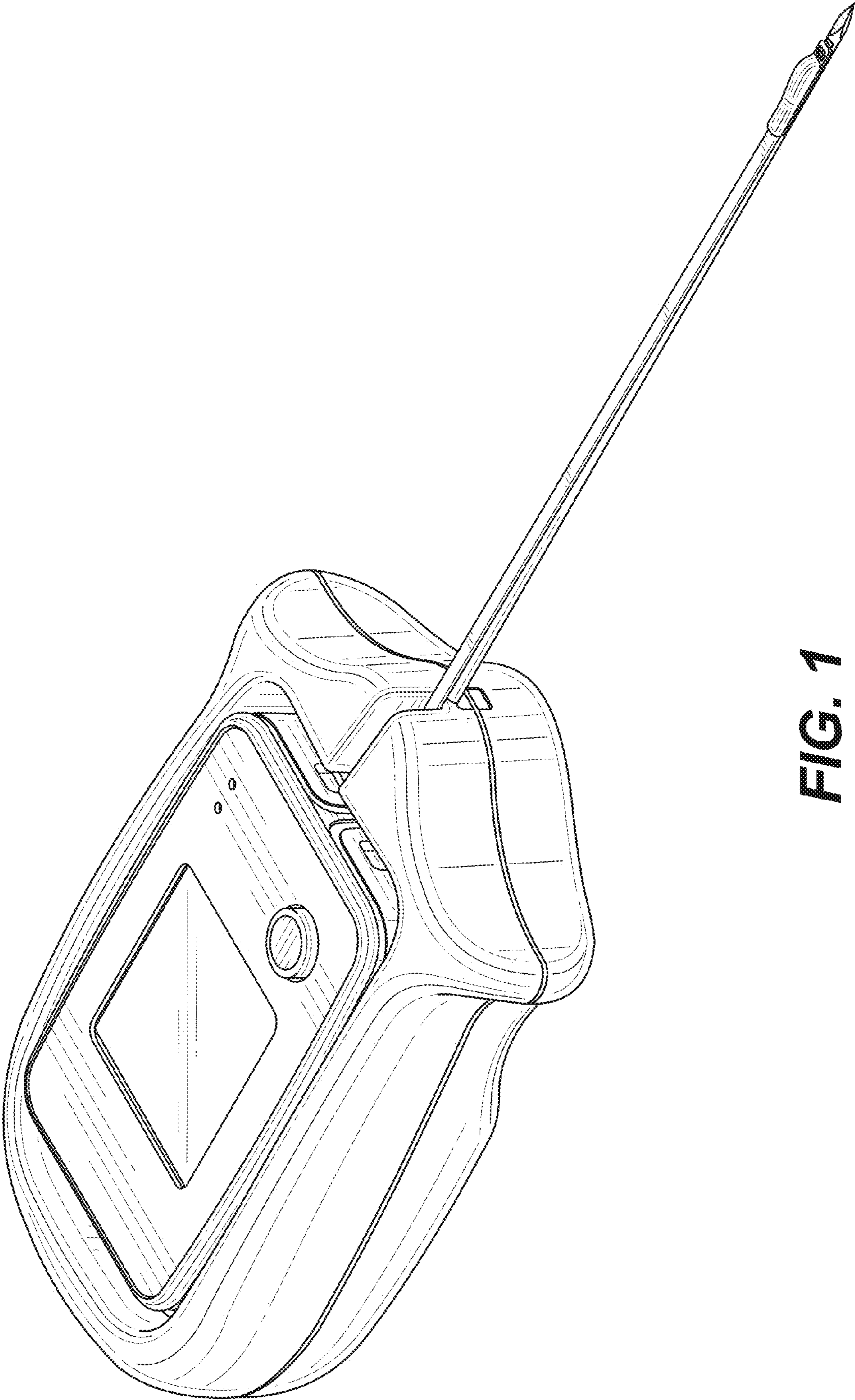


FIG. 1

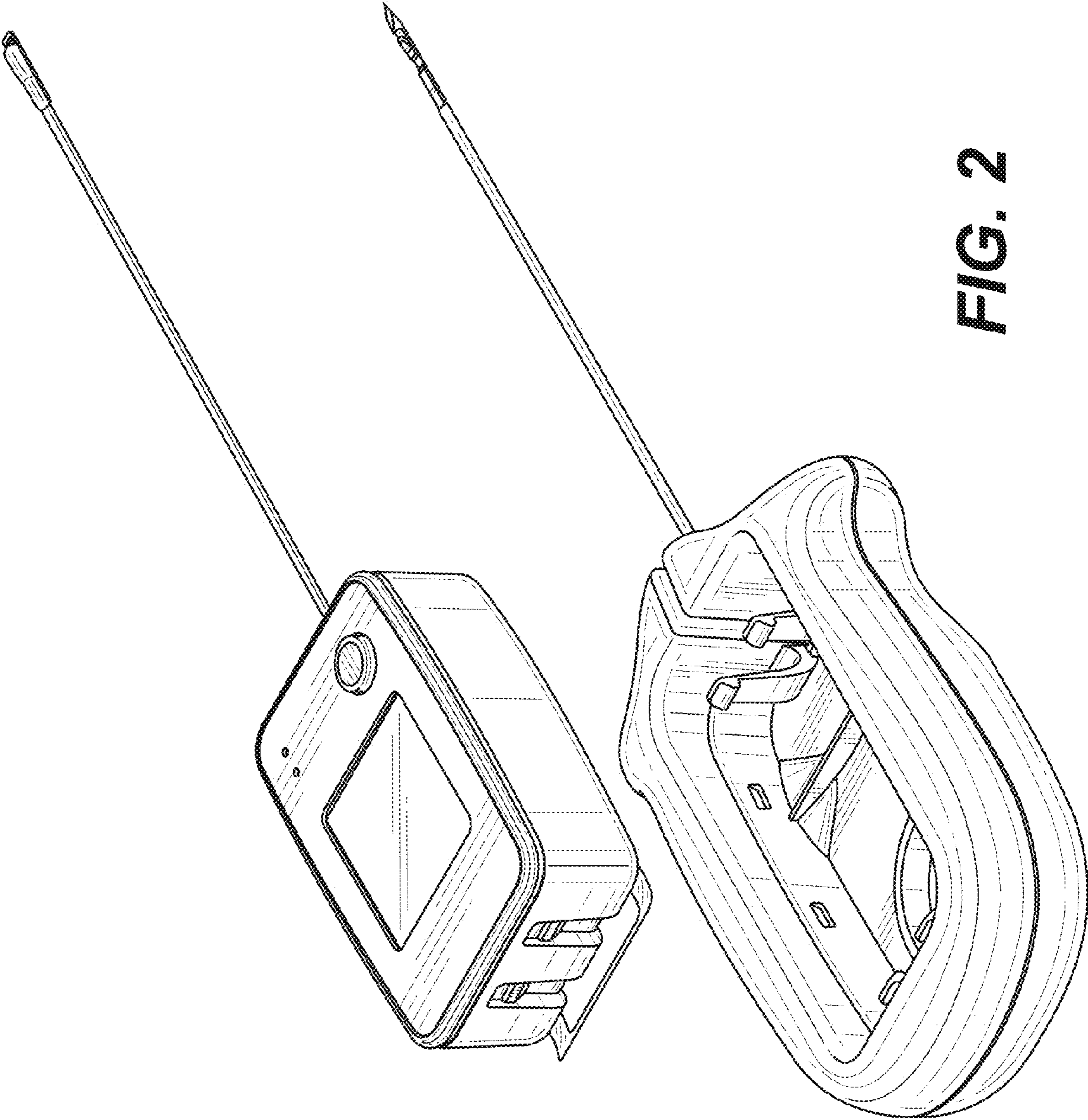


FIG. 2

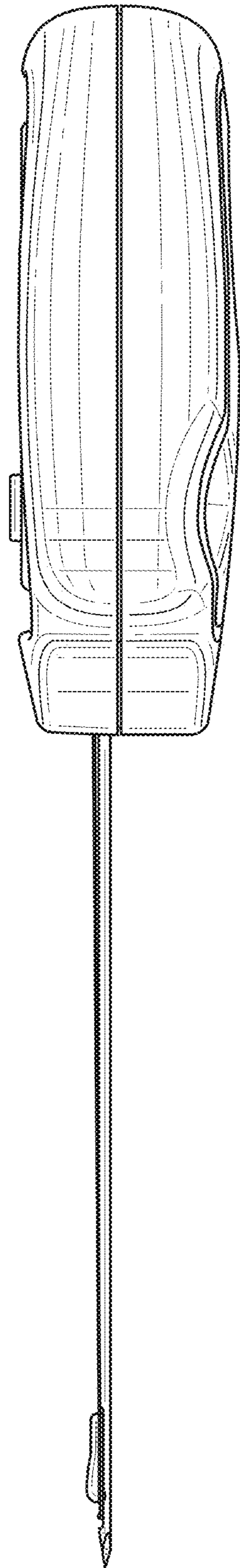


FIG. 3

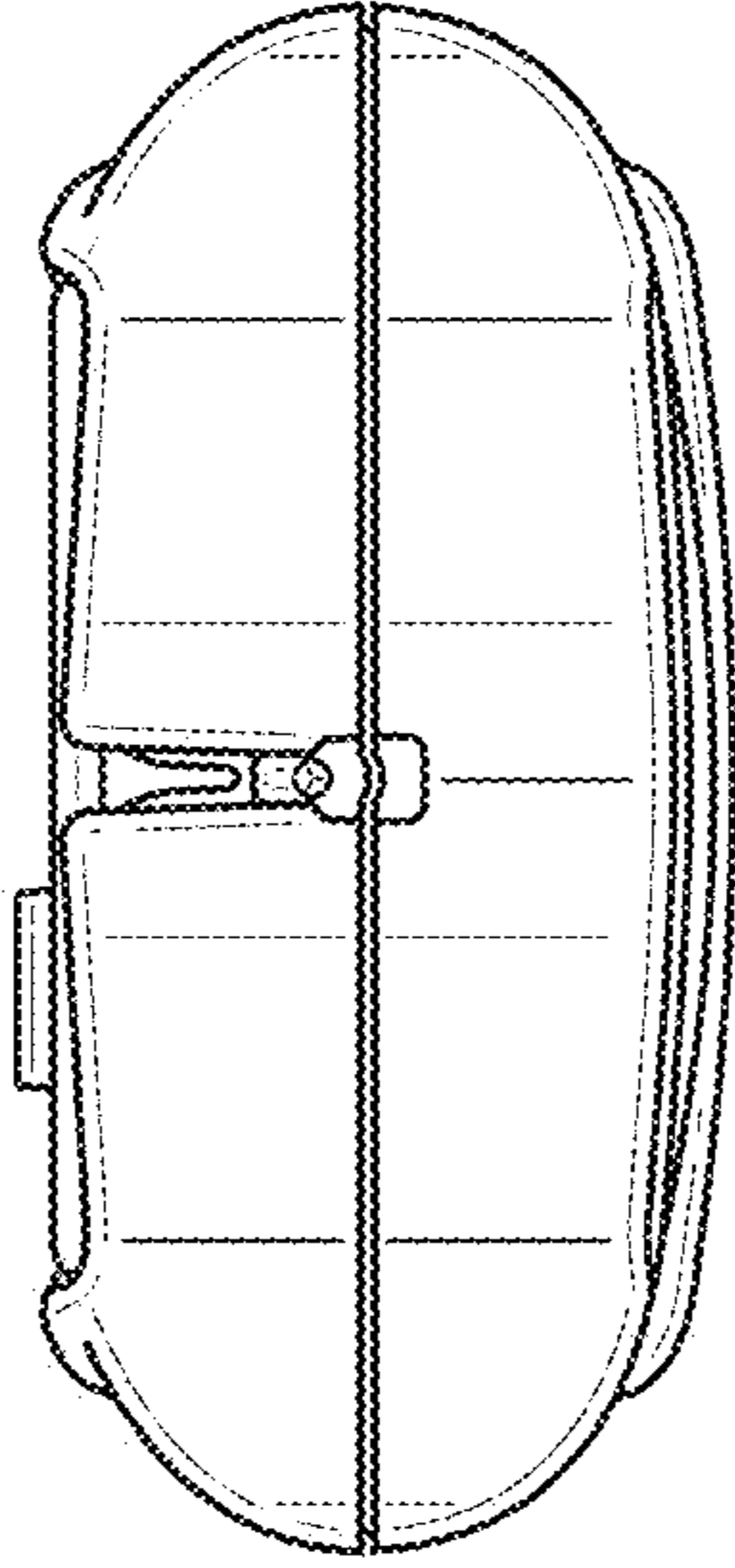


FIG. 4

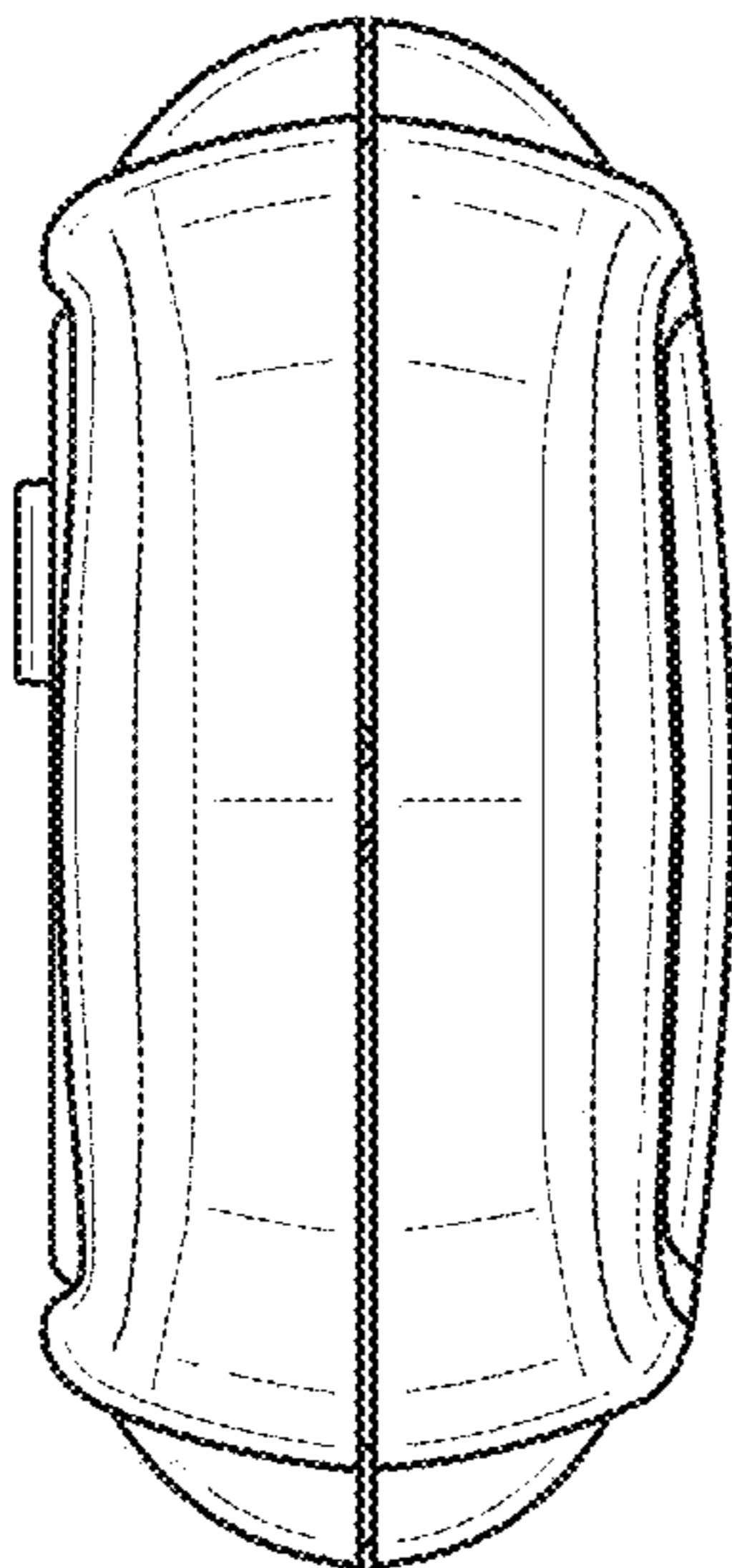


FIG. 5

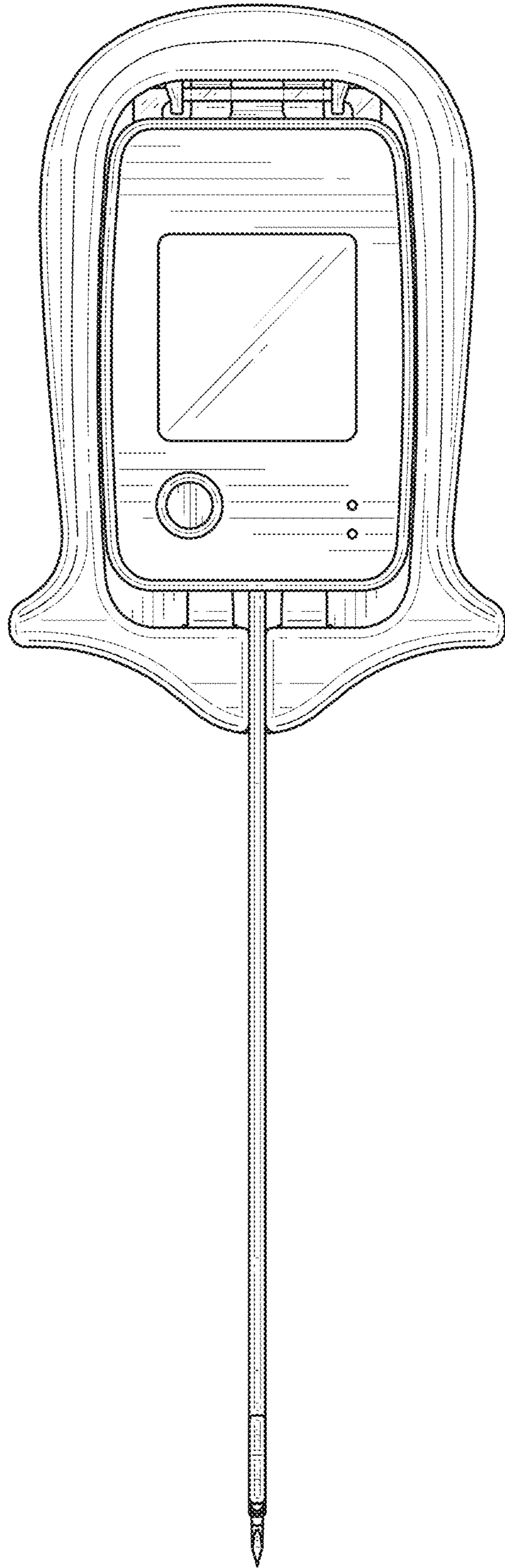


FIG. 6

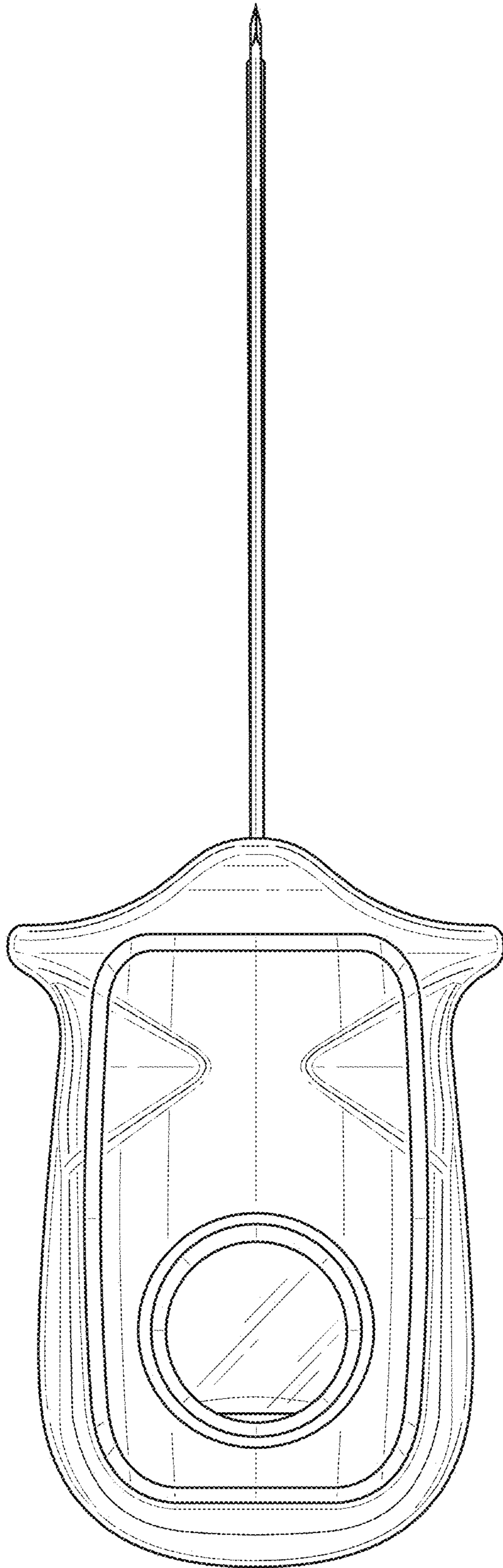


FIG. 7

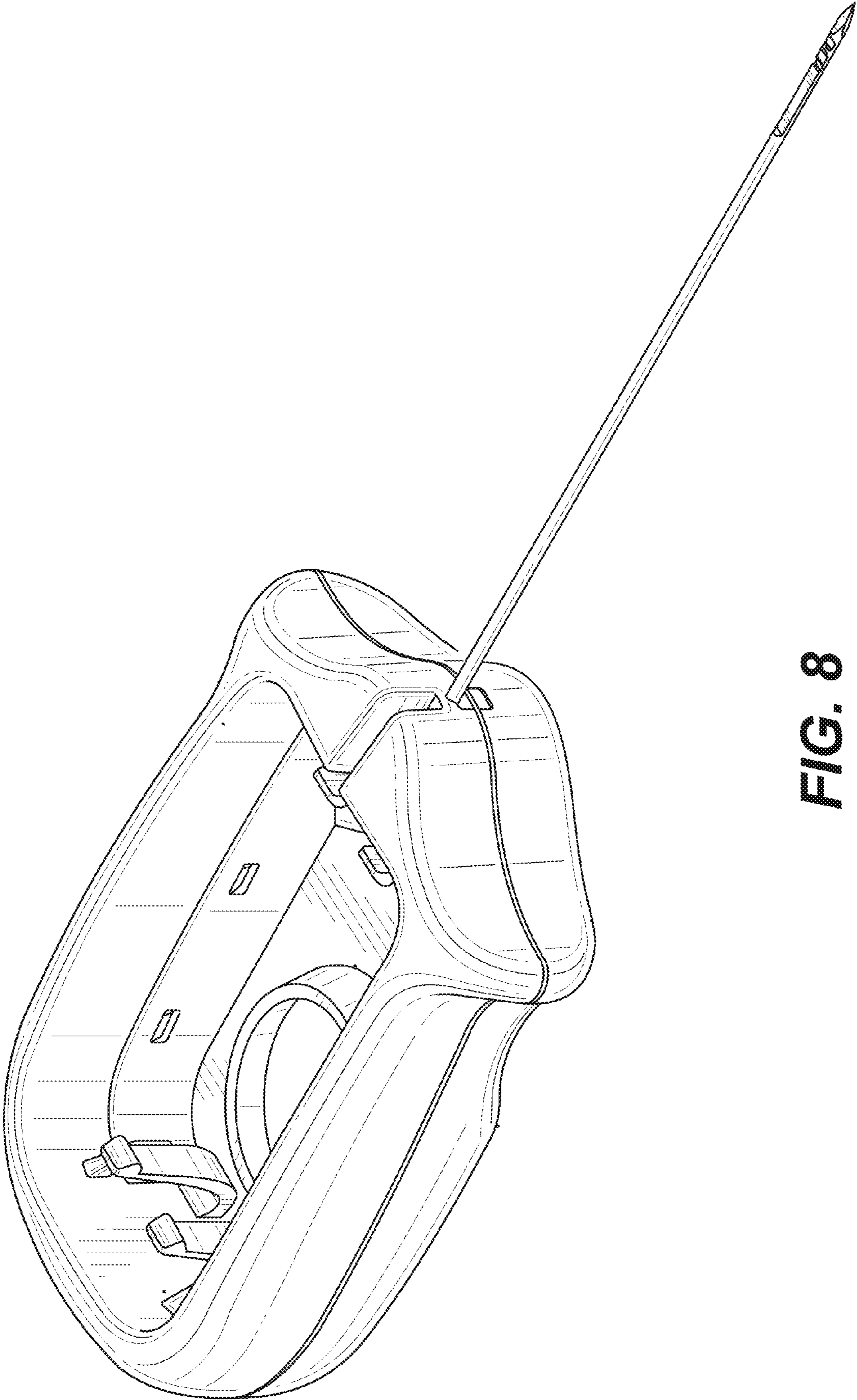


FIG. 8

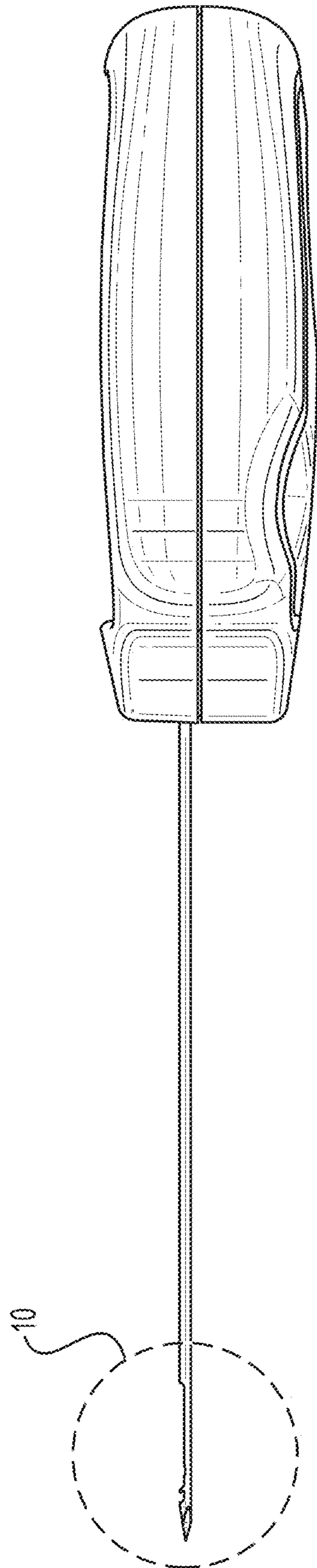


FIG. 9

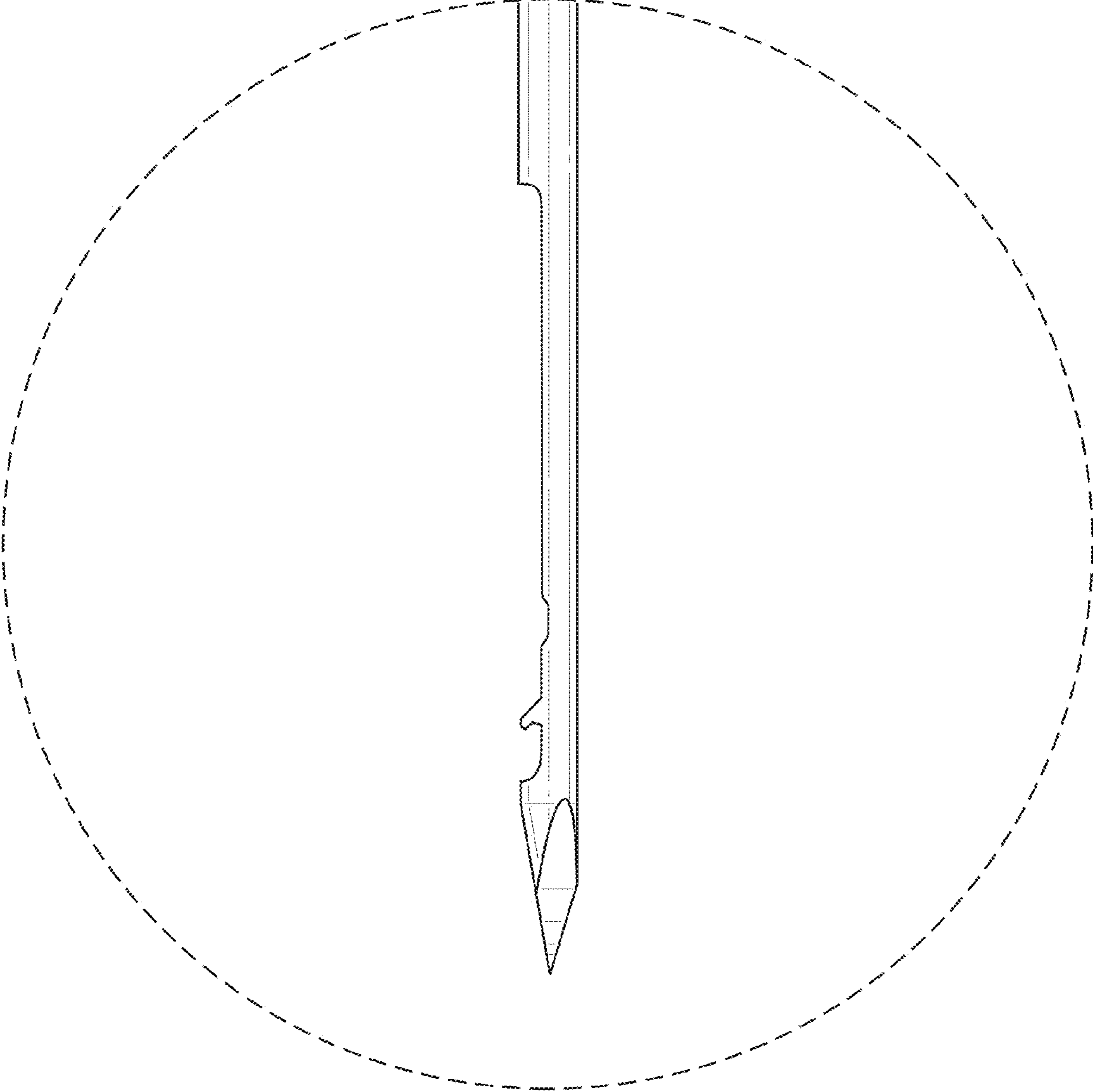


FIG. 10

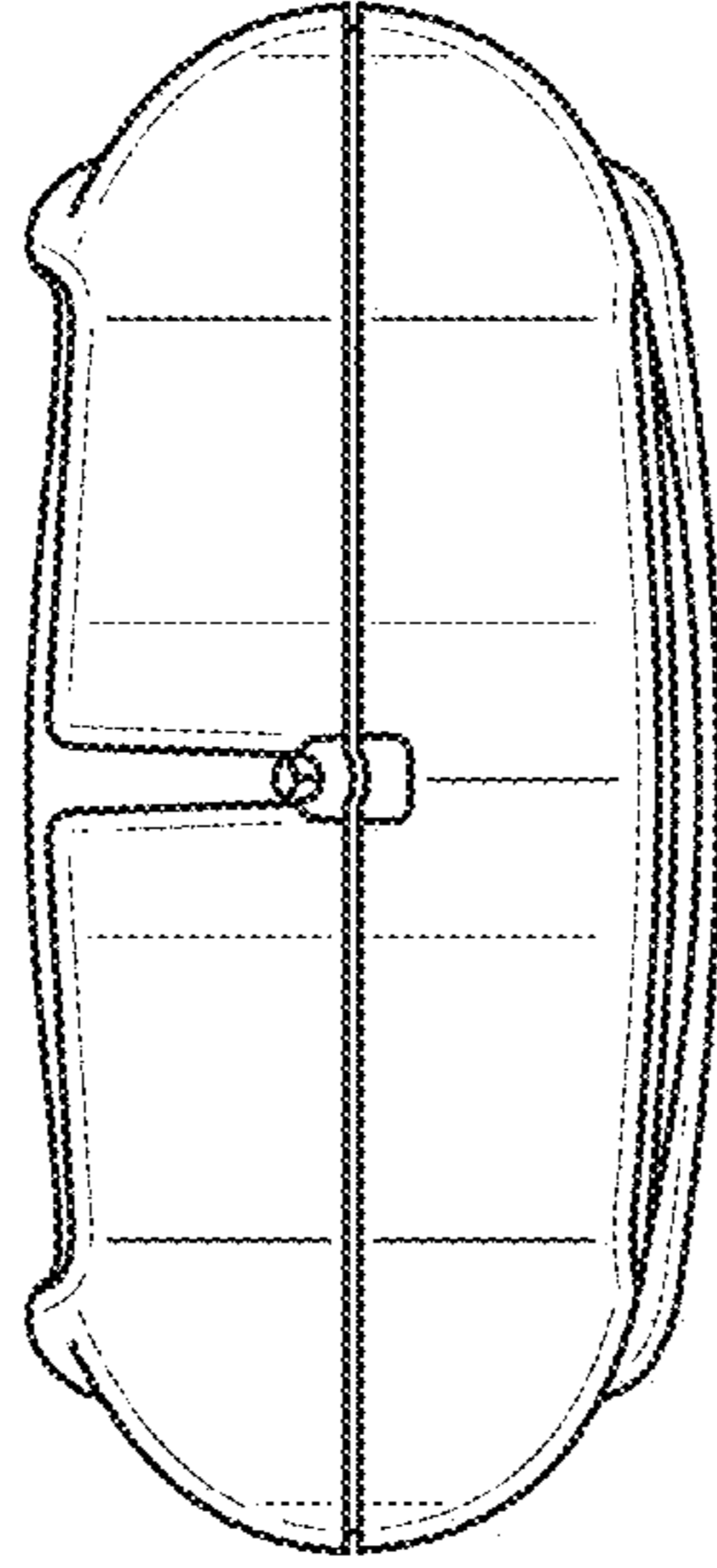


FIG. 11

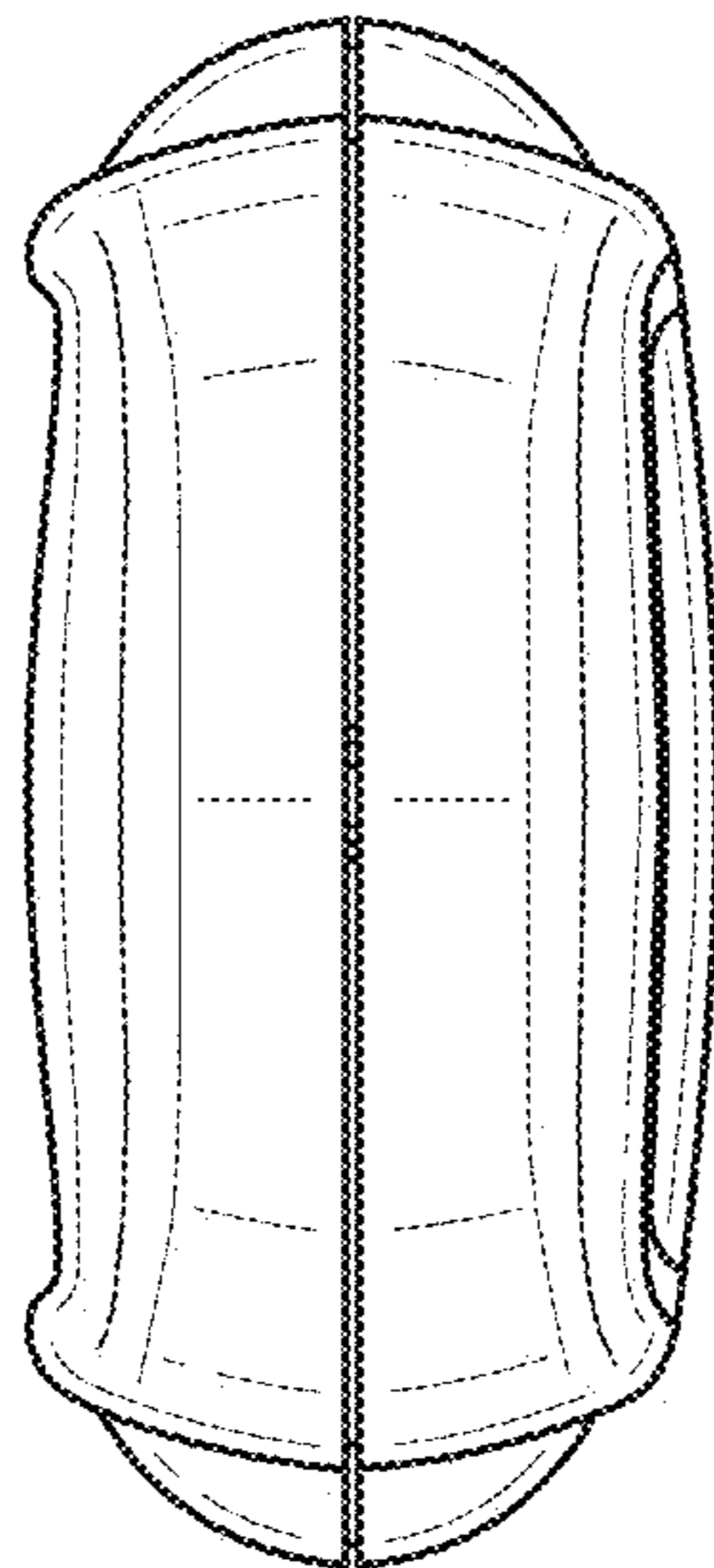


FIG. 12

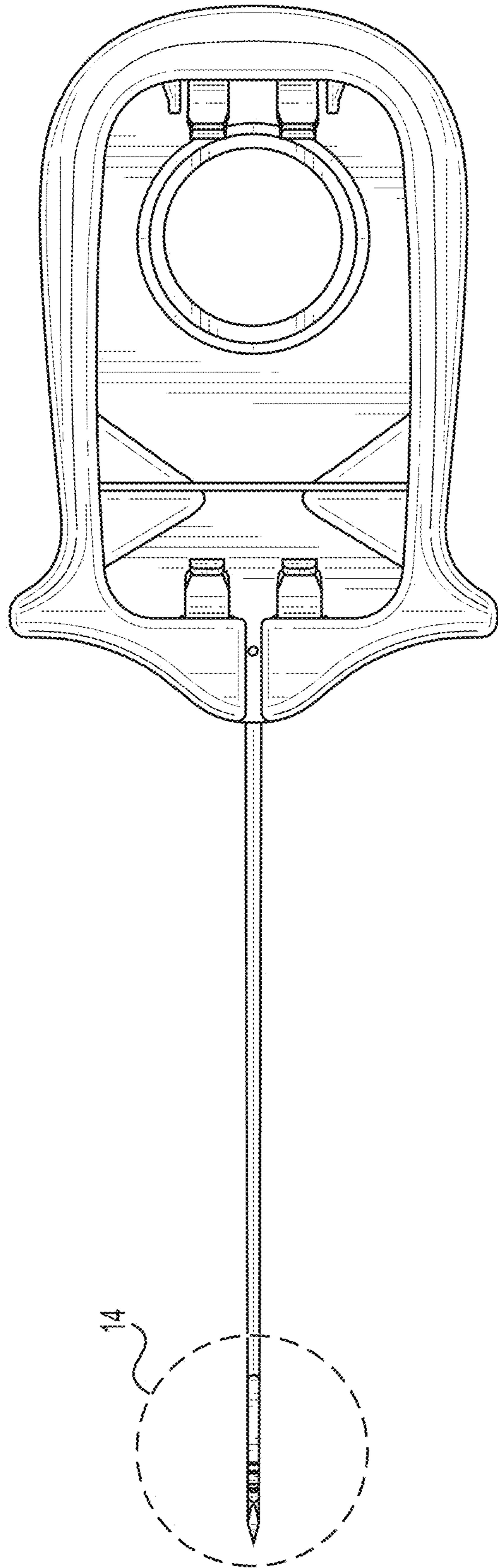


FIG. 13

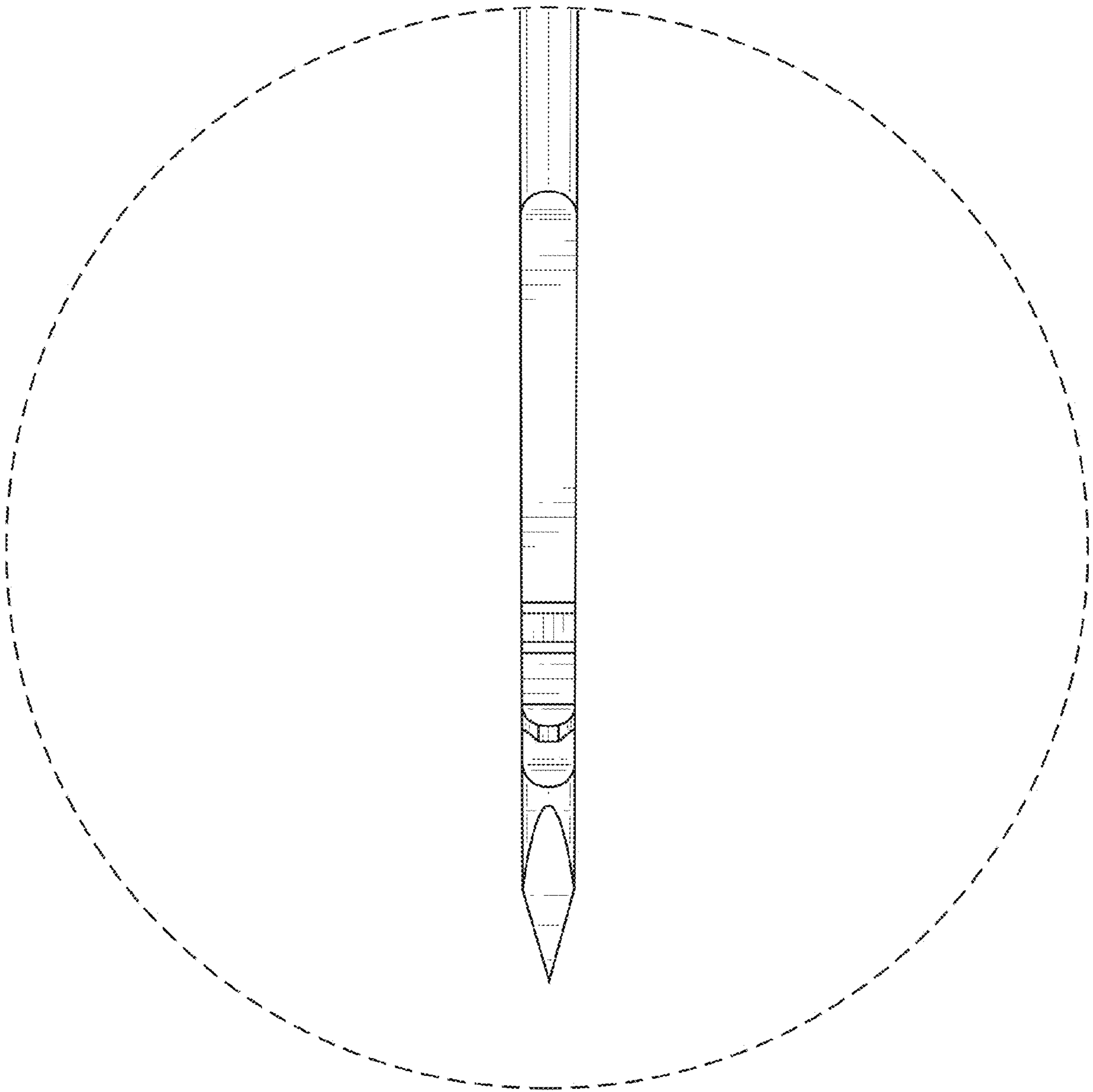


FIG. 14

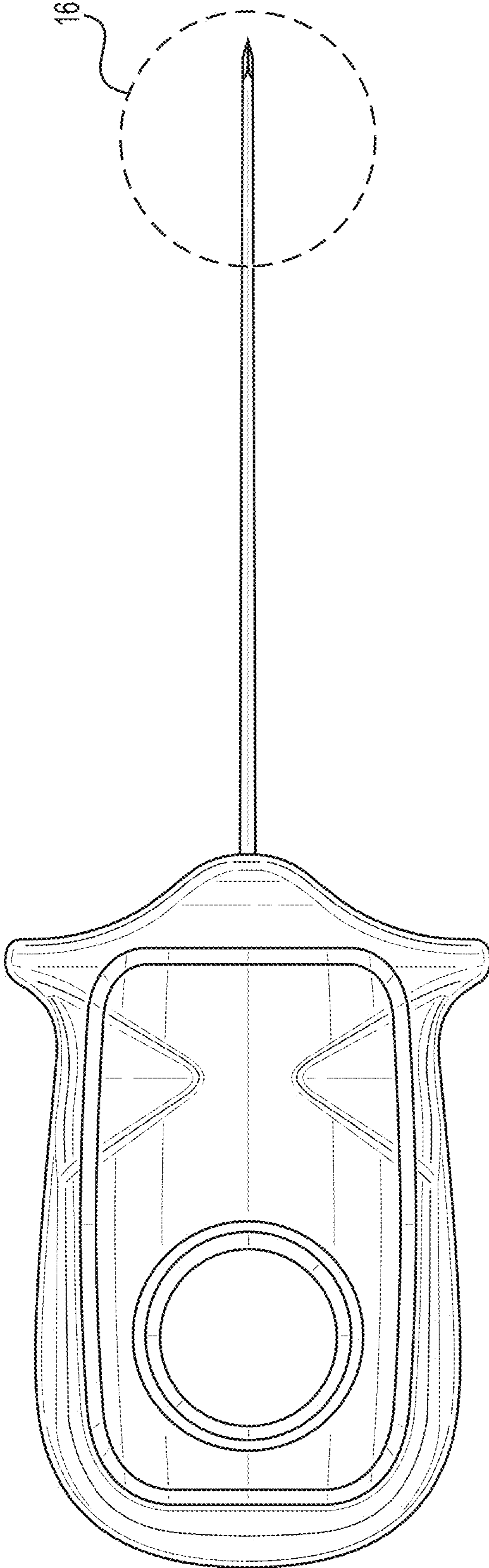


FIG. 15

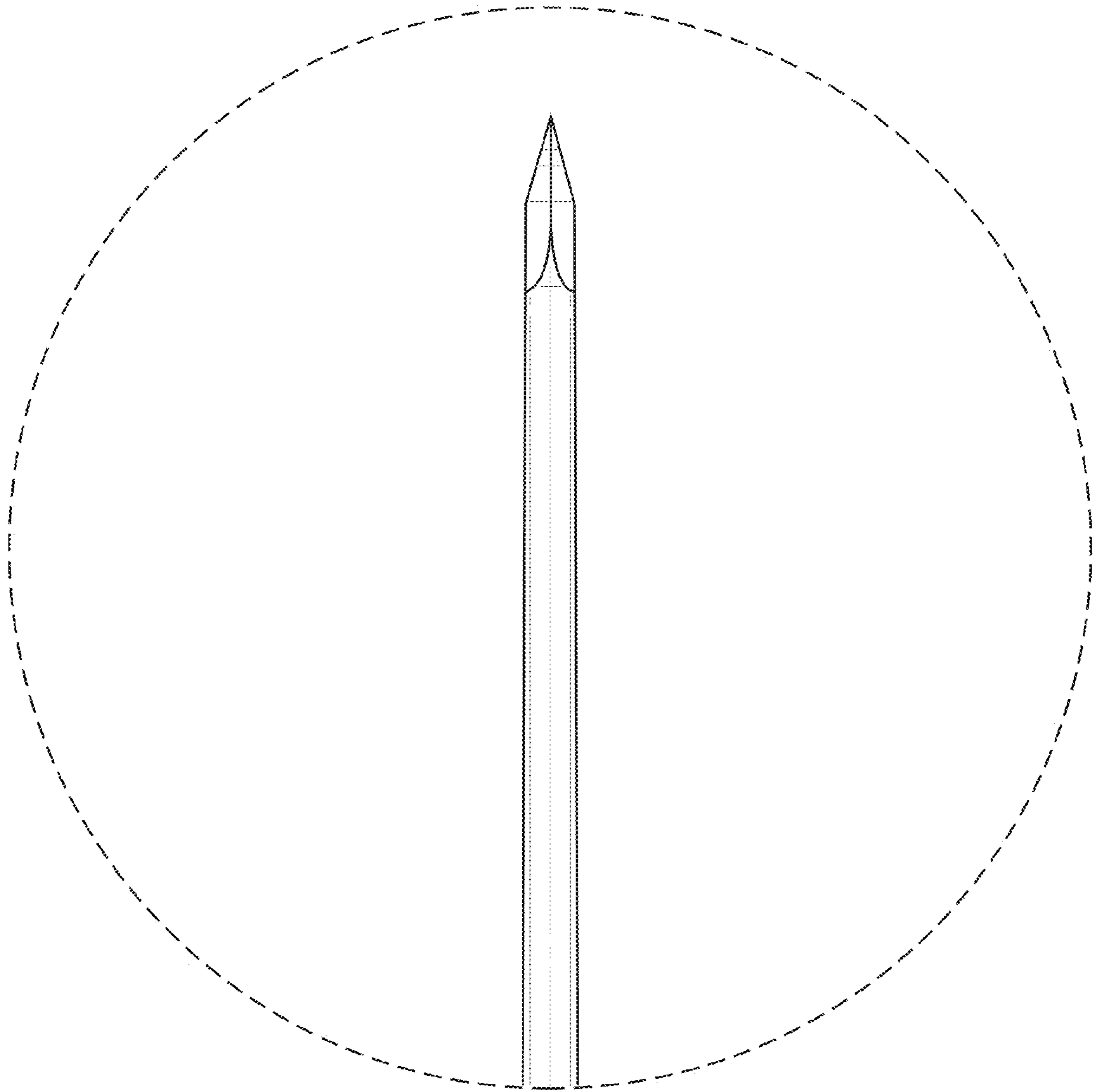


FIG. 16

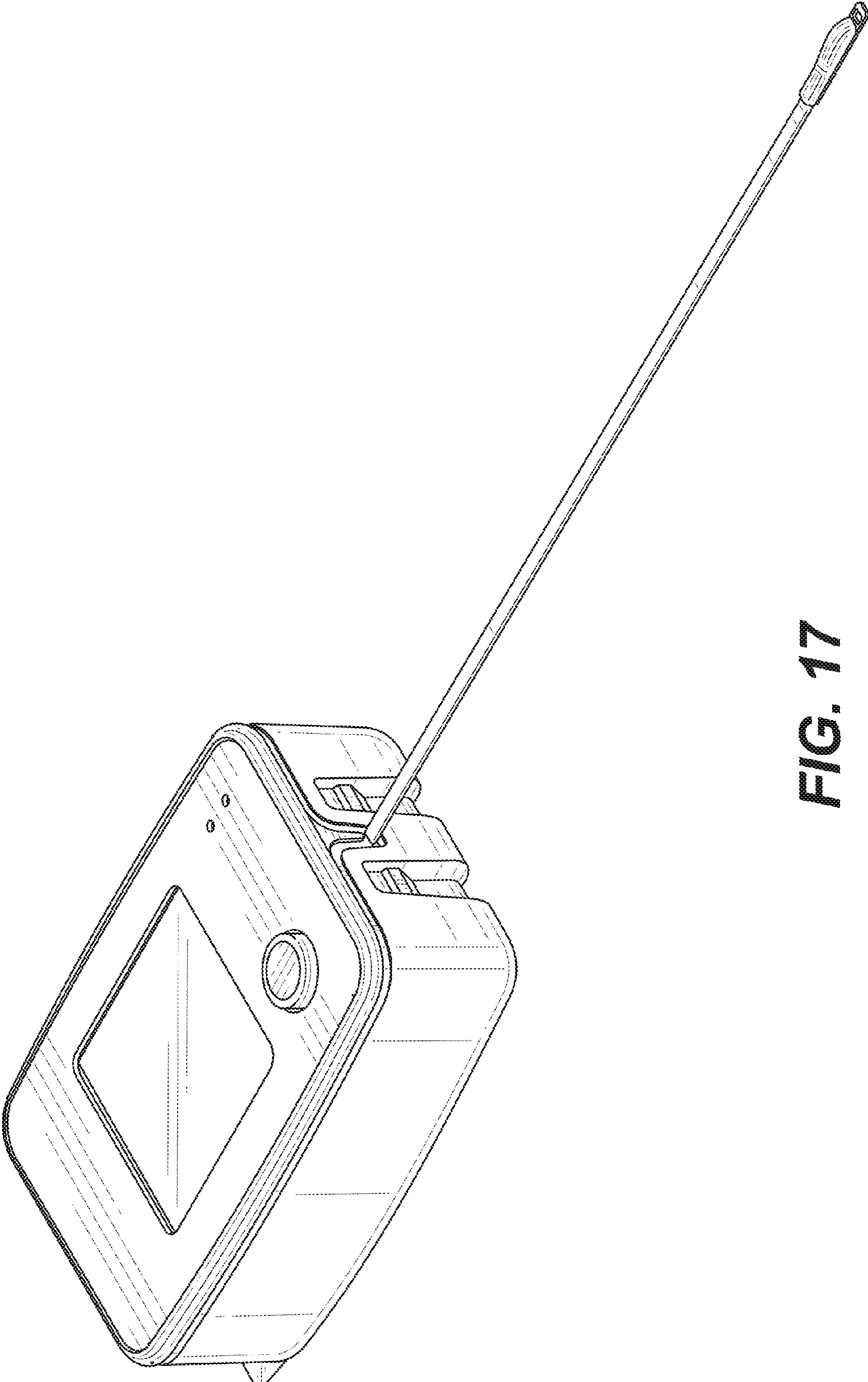


FIG. 17

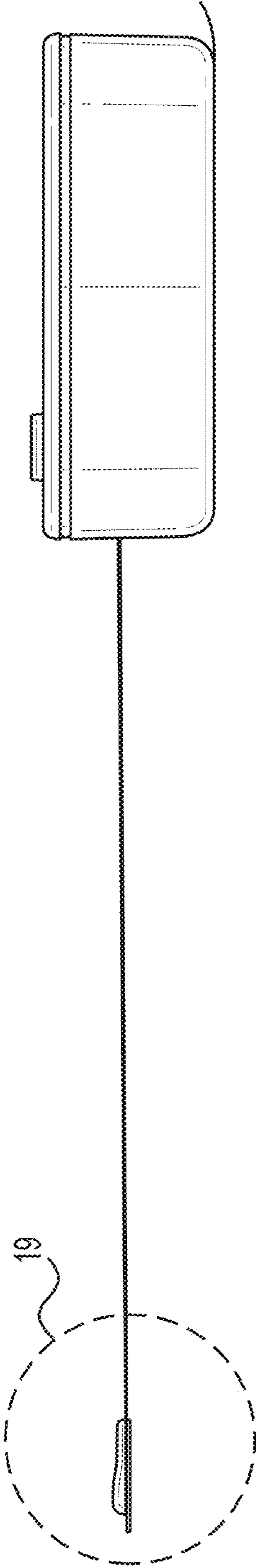


FIG. 18

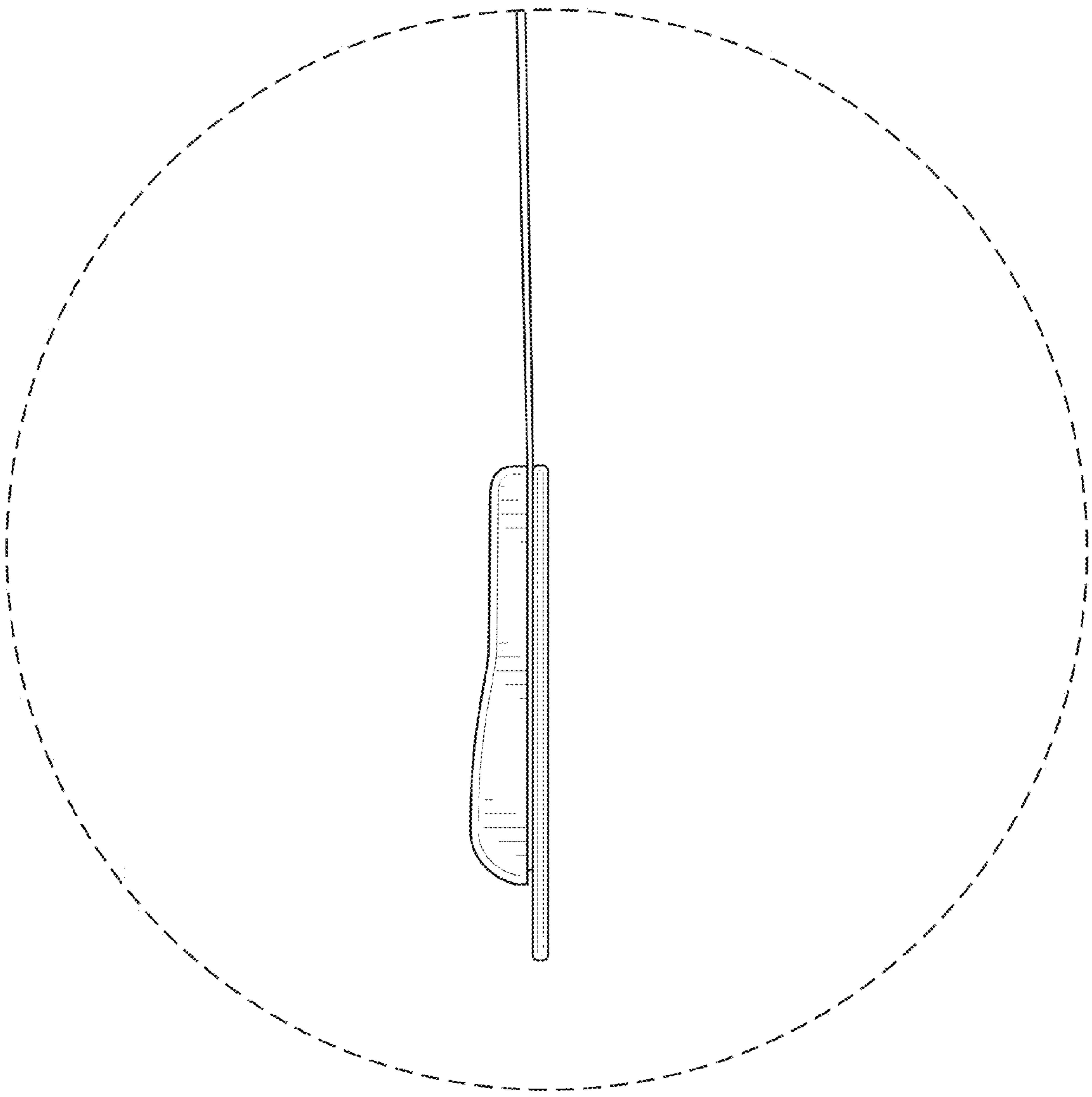


FIG. 19

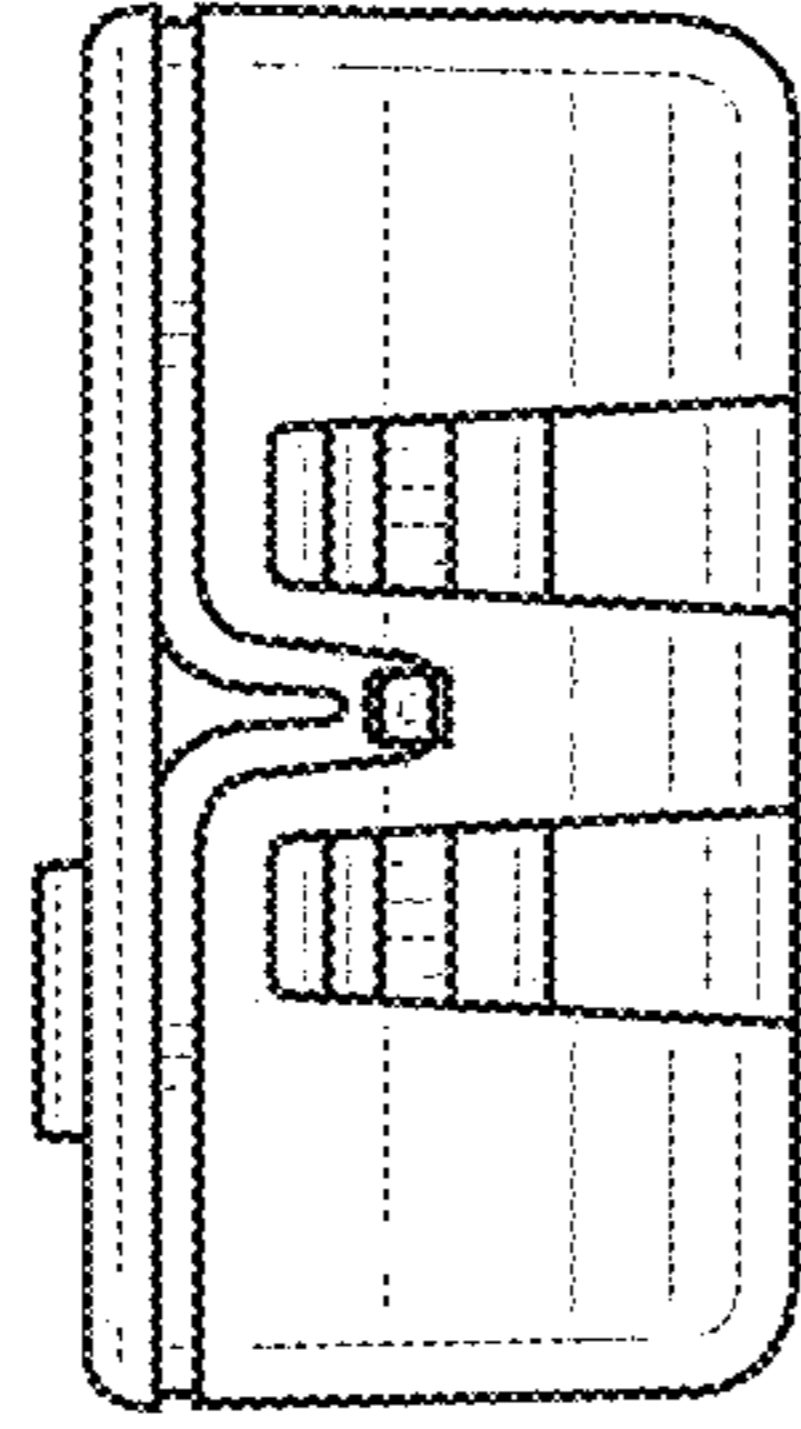


FIG. 20

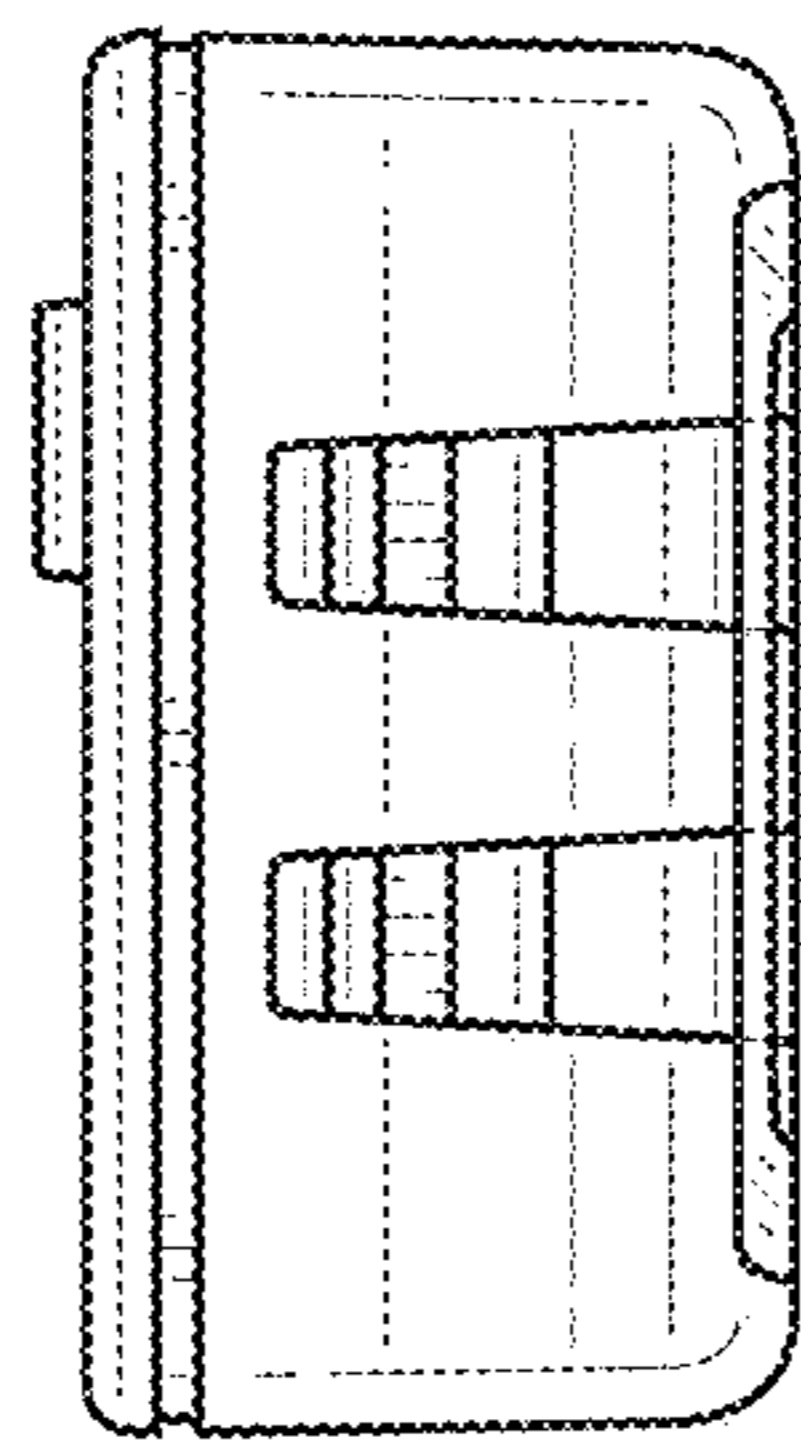


FIG. 21

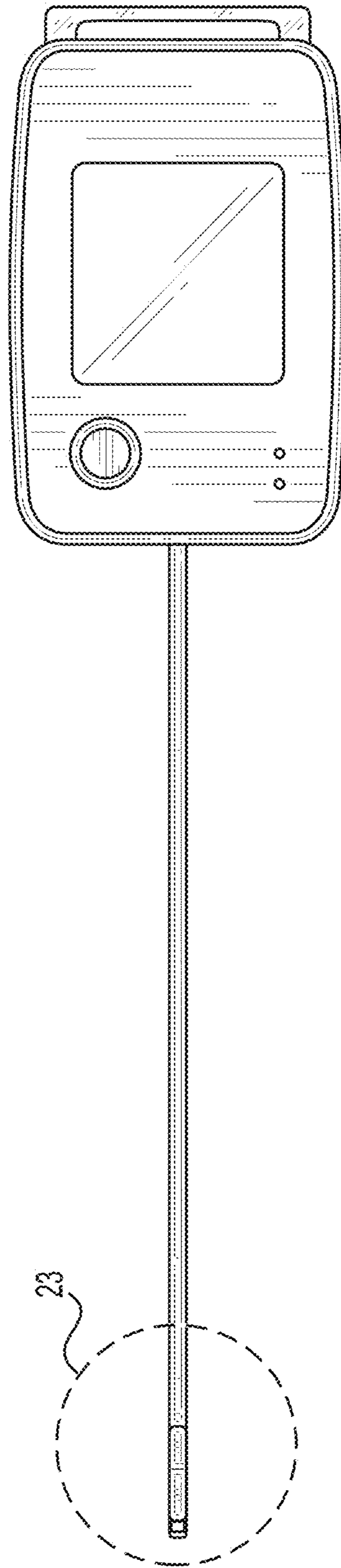


FIG. 22

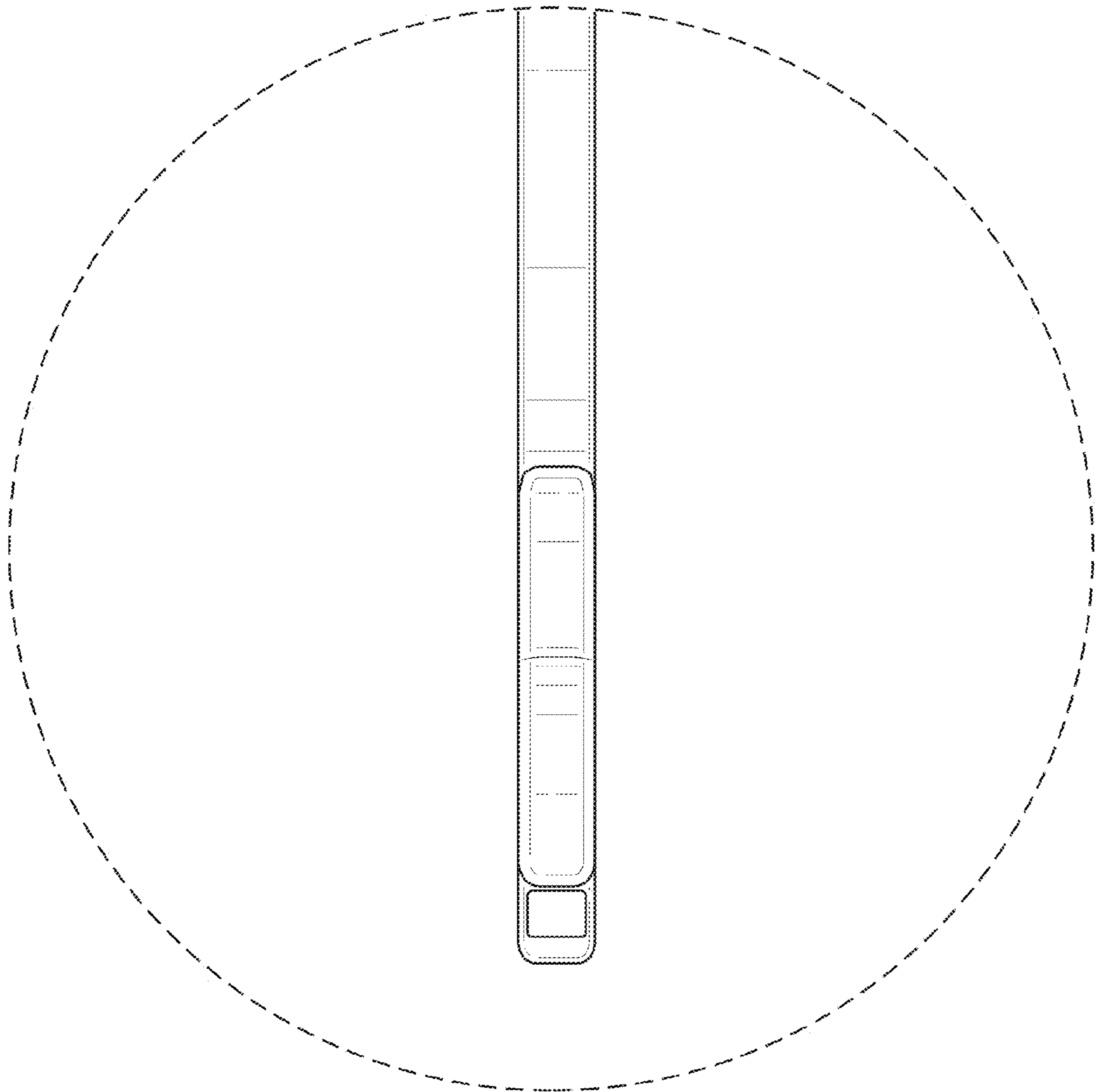


FIG. 23

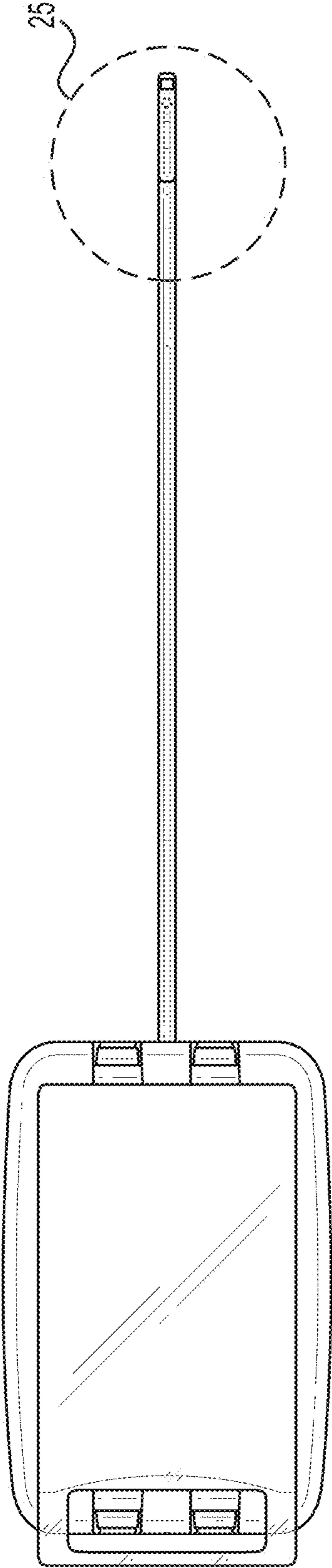


FIG. 24

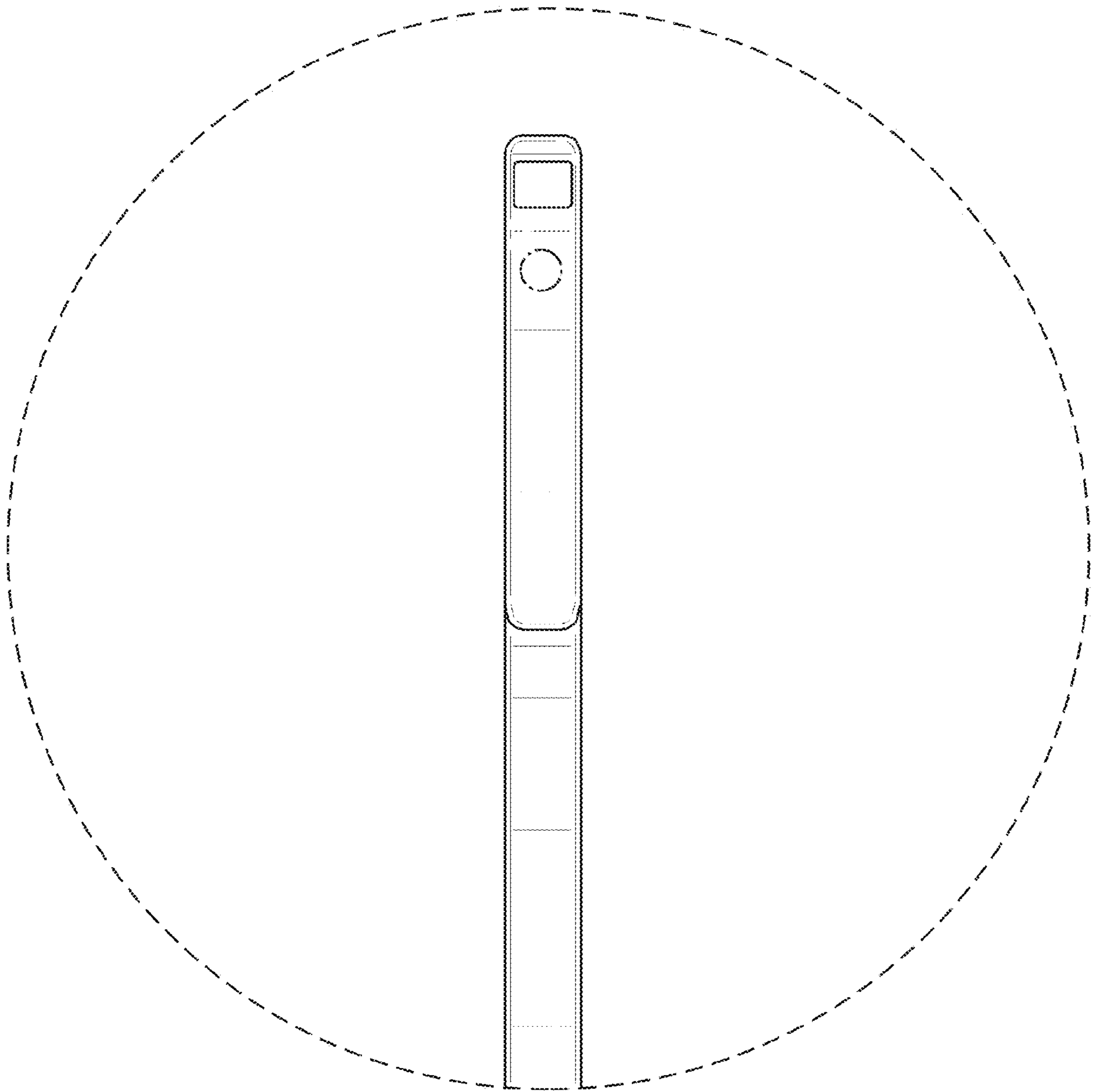


FIG. 25