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(12) United States Design Patent

Yang

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(45) Date of Patent: ** Sep. 3, 2024

(54) **IMMUNOASSAY DEVICE**

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(72) Inventor: **Zheng Yang**, Castro Valley, CA (US)

(73) Assignee: **Quanovate Tech Inc.**, San Ramon, CA (US)

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

(21) Appl. No.: **29/867,046**

(22) Filed: **Oct. 7, 2022**

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

(52) **U.S. Cl.**
USPC **D24/223**

(58) **Field of Classification Search**
USPC D24/107, 108, 112–114, 127, 130, 133, D24/169, 186, 216–217, 219, 222–226, D24/227, 231, 232; D10/81
(Continued)

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Primary Examiner — Omeed Agilee
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(57) **CLAIM**

The ornamental design for an immunoassay device, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of an immunoassay device showing the new design, in a first configuration;
FIG. **2** is a front elevation view of the immunoassay device as shown in FIG. **1**;
FIG. **3** is a rear elevation view of the immunoassay device as shown in FIG. **1**;
FIG. **4** is a left elevation view of the immunoassay device as shown in FIG. **1**;
FIG. **5** is a right elevation view of the immunoassay device as shown in FIG. **1**;
FIG. **6** is a top plan view of the immunoassay device as shown in FIG. **1**;
FIG. **7** is a bottom plan view of the immunoassay device as shown in FIG. **1**;
FIG. **8** is a front perspective view of the immunoassay device as shown in FIG. **1**, with the cap displaced from the body of the device in the first configuration;
FIG. **9** is a front perspective view of the immunoassay device shown in FIG. **1**, with the cap displaced from the body of the device in a second configuration;
FIG. **10** is a front perspective view of the immunoassay device shown in FIG. **1**, in the second configuration;
FIG. **11** is a front elevation view of the immunoassay device as shown in FIG. **10**;
FIG. **12** is a rear elevation view of the immunoassay device as shown in FIG. **10**;
FIG. **13** is a left elevation view of the immunoassay device as shown in FIG. **10**;
FIG. **14** is a right elevation view of the immunoassay device as shown in FIG. **10**;
FIG. **15** is a top plan view of the immunoassay device shown in FIG. **10**;

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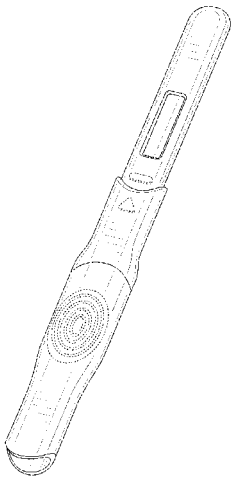

FIG. **16** is a bottom plan view of the immunoassay device shown in FIG. **10**;
FIG. **17** is a front perspective view of the immunoassay device shown in FIG. **1**, with the cap removed;
FIG. **18** is a front elevation view of the body of immunoassay device as shown in FIG. **17**;
FIG. **19** is a rear elevation view of the body of immunoassay device as shown in FIG. **17**;
FIG. **20** is a left elevation view of the body of immunoassay device as shown in FIG. **17**;
FIG. **21** is a right elevation view of the body of immunoassay device as shown in FIG. **17**;
FIG. **22** is a top plan view of the body of immunoassay device shown in FIG. **17**;
FIG. **23** is a bottom plan view of the body of immunoassay device shown in FIG. **17**;
FIG. **24** is a front perspective view of the immunoassay device shown in FIG. **1**, showing only the cap;
FIG. **25** is a front elevation view of the cap of immunoassay device as shown in FIG. **24**;
FIG. **26** is a rear elevation view of the cap of immunoassay device as shown in FIG. **24**;
FIG. **27** is a left elevation view of the cap of immunoassay device as shown in FIG. **24**;
FIG. **28** is a right elevation view of the cap of immunoassay device as shown in FIG. **24**;
FIG. **29** is a top plan view of the cap of immunoassay device shown in FIG. **24**; and,
FIG. **30** is a bottom plan view of the cap of immunoassay device shown in FIG. **24**.

The broken lines in the drawings depict portions of the immunoassay device that form no part of the claimed design.

1 Claim, 30 Drawing Sheets

(58) **Field of Classification Search**
CPC G01N 33/76; G01N 33/558; G01N 33/54386; G01N 33/689
See application file for complete search history.

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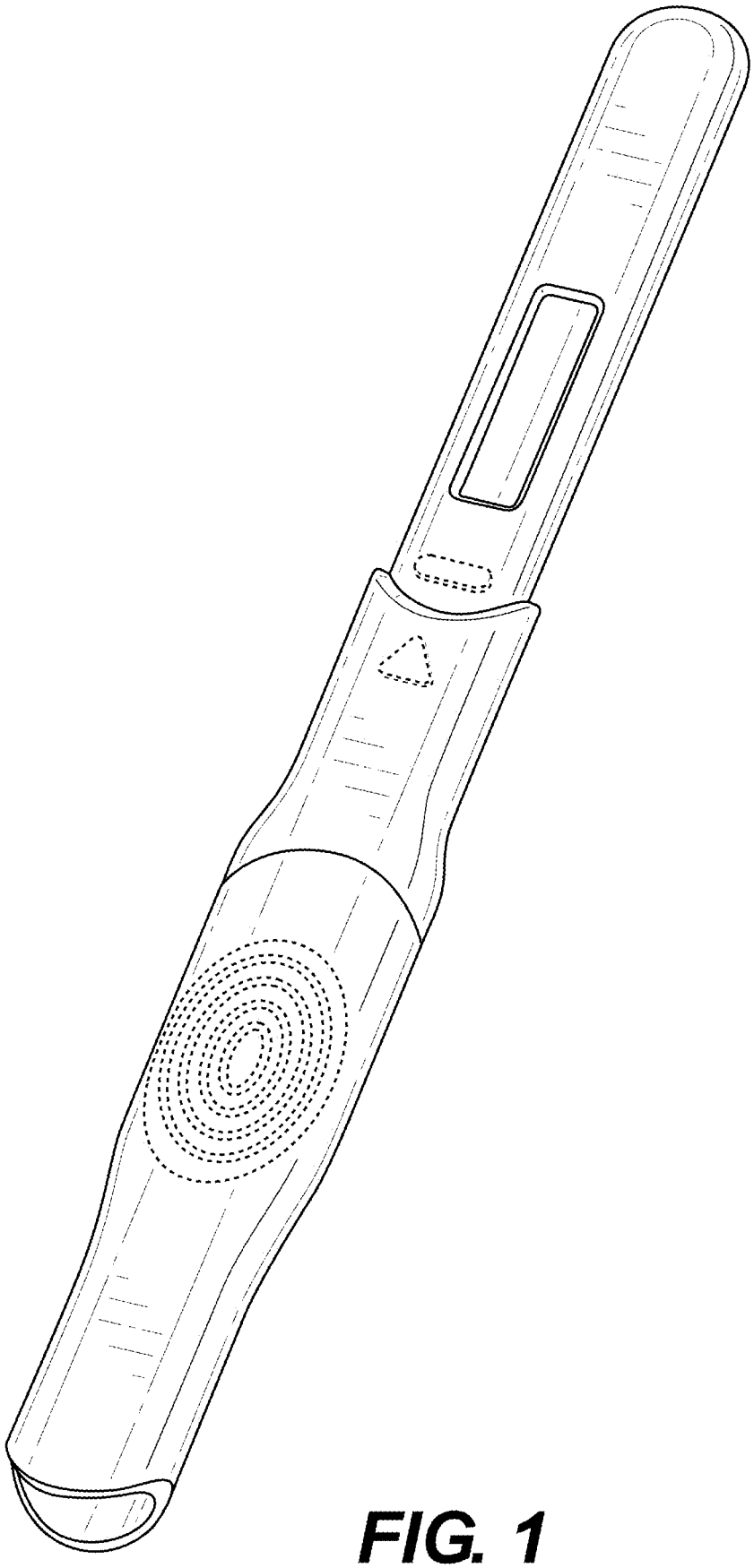


FIG. 1

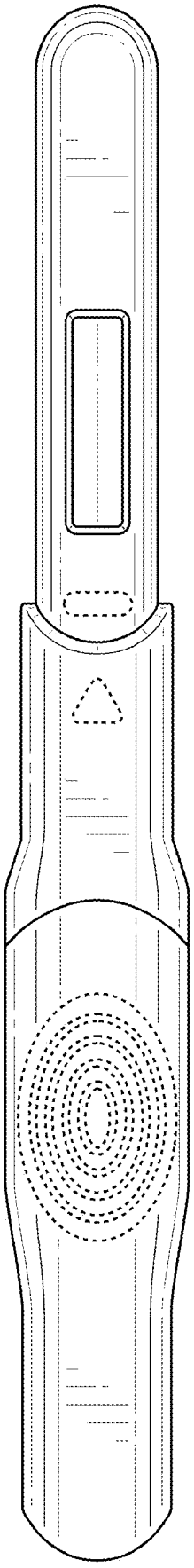
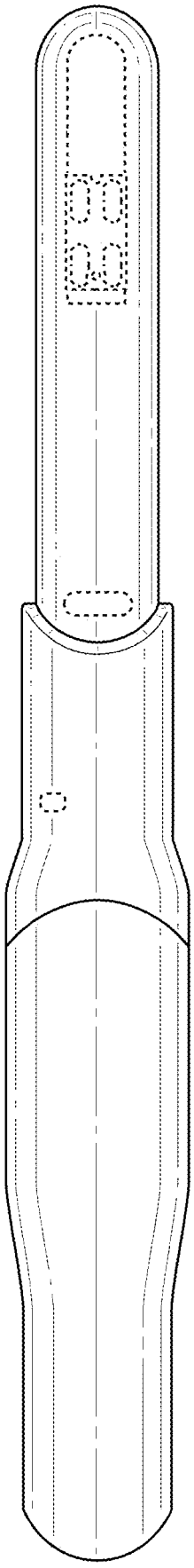


FIG. 2



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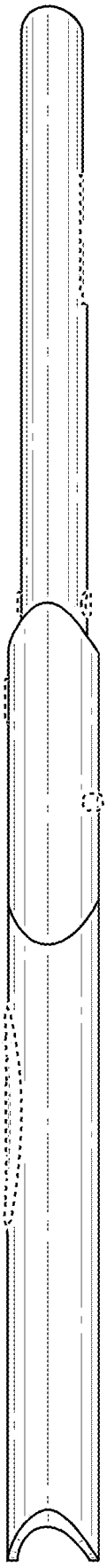


FIG. 4

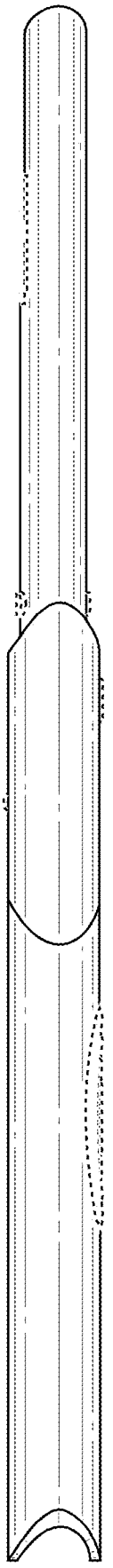
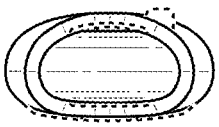


FIG. 5



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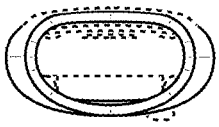

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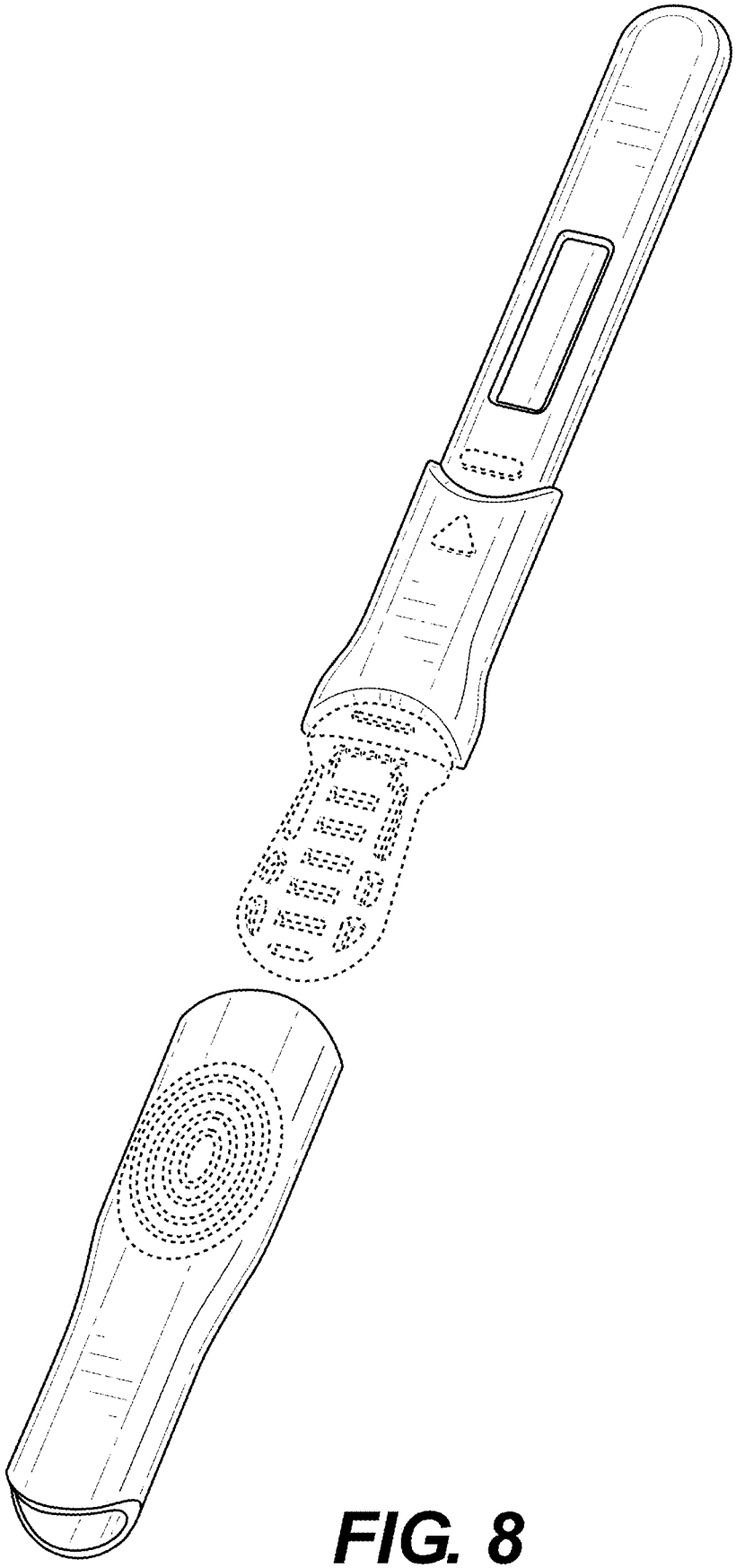

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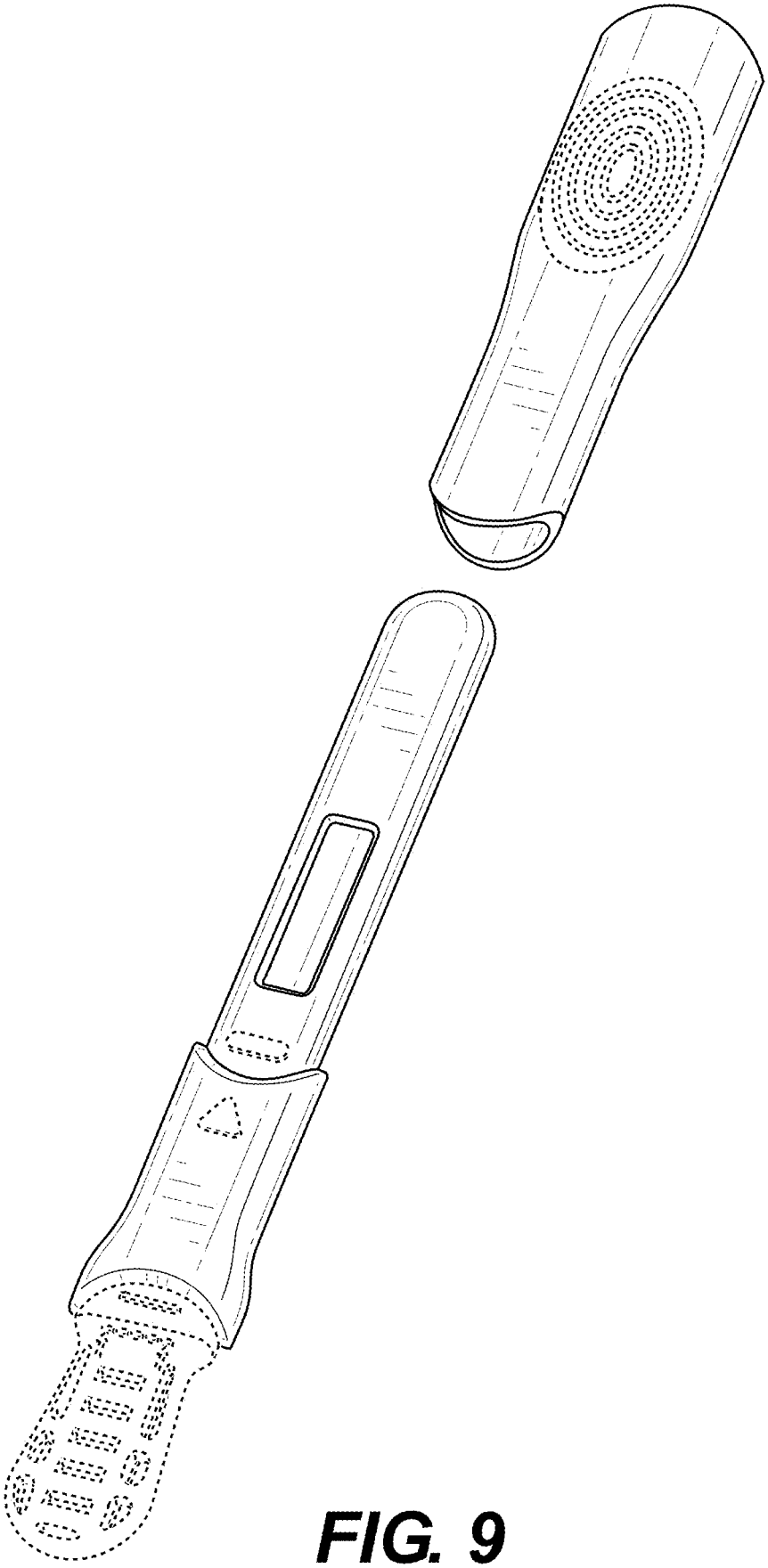
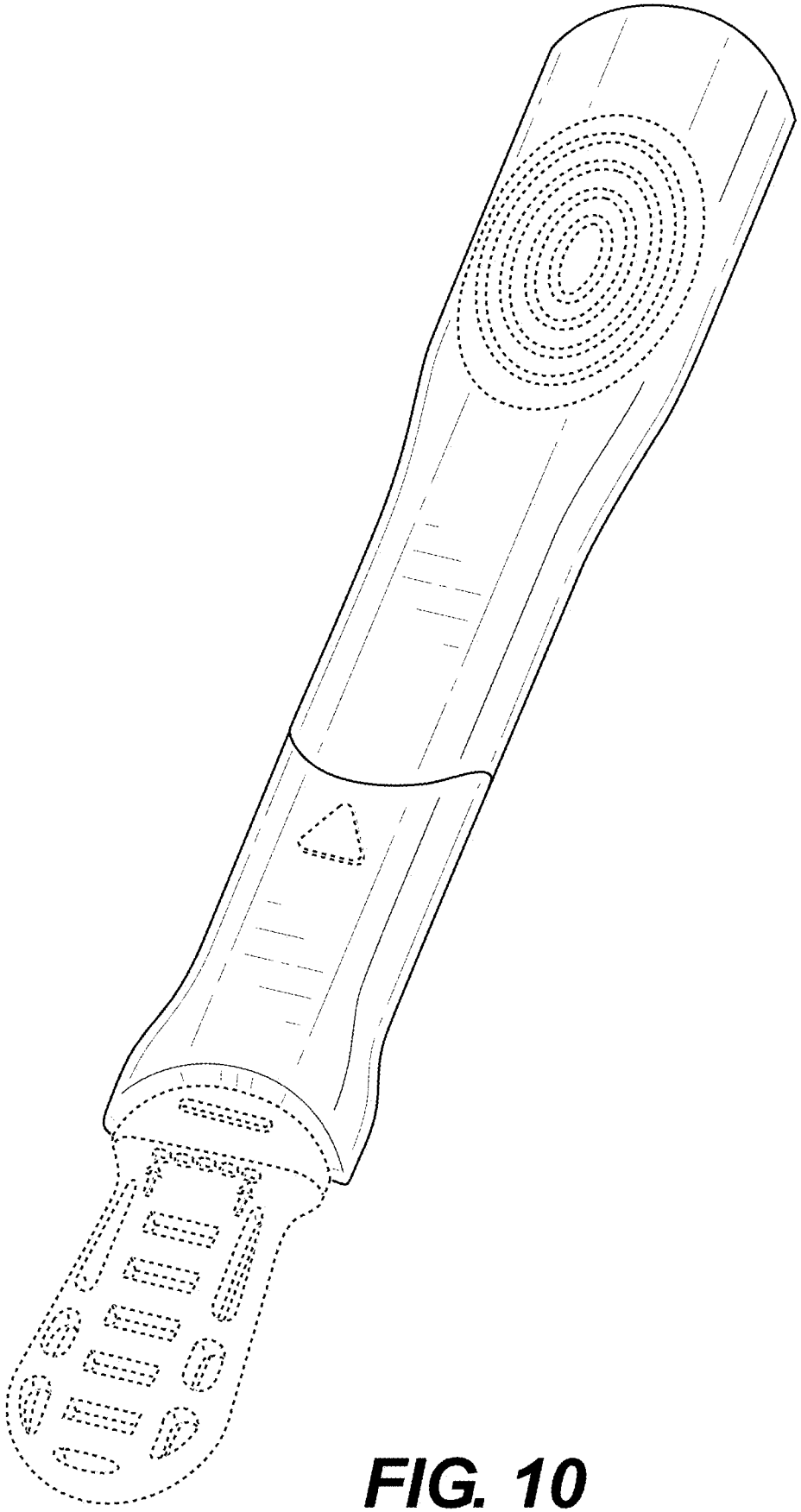


FIG. 9



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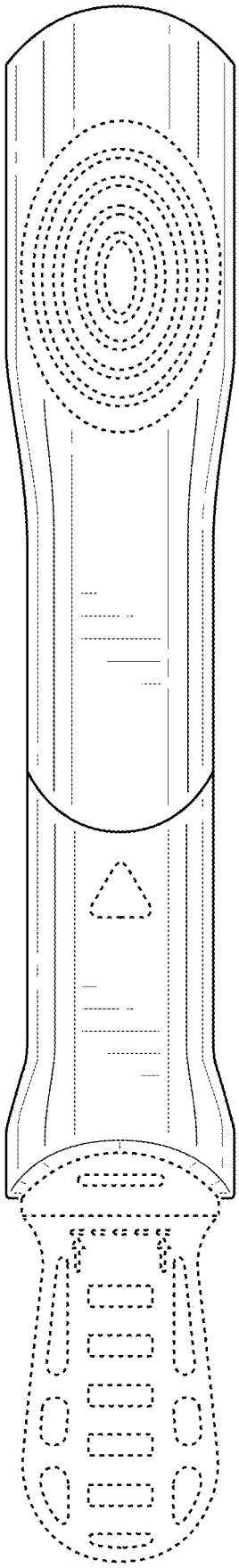

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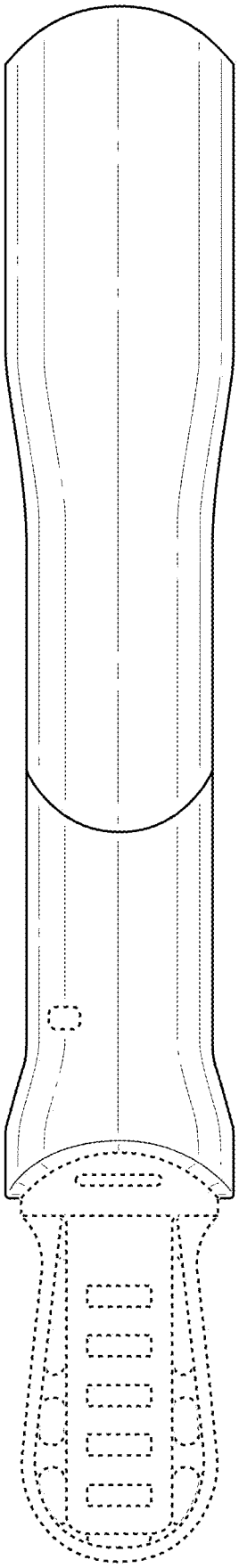

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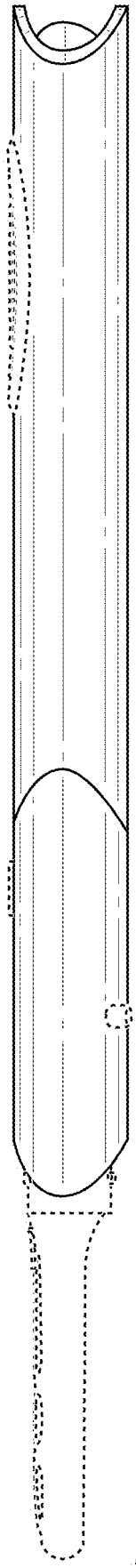

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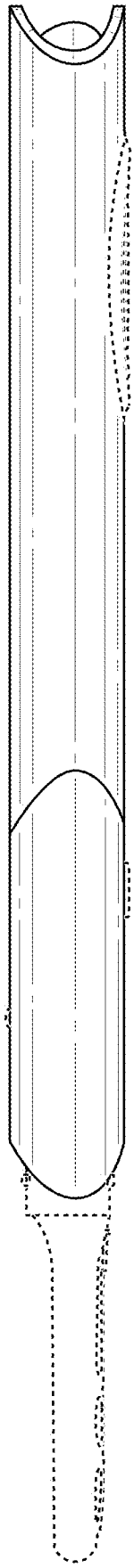

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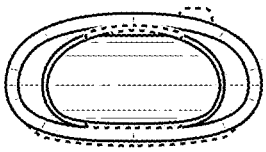

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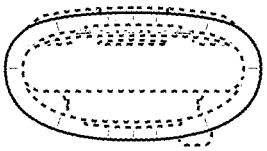


FIG. 16

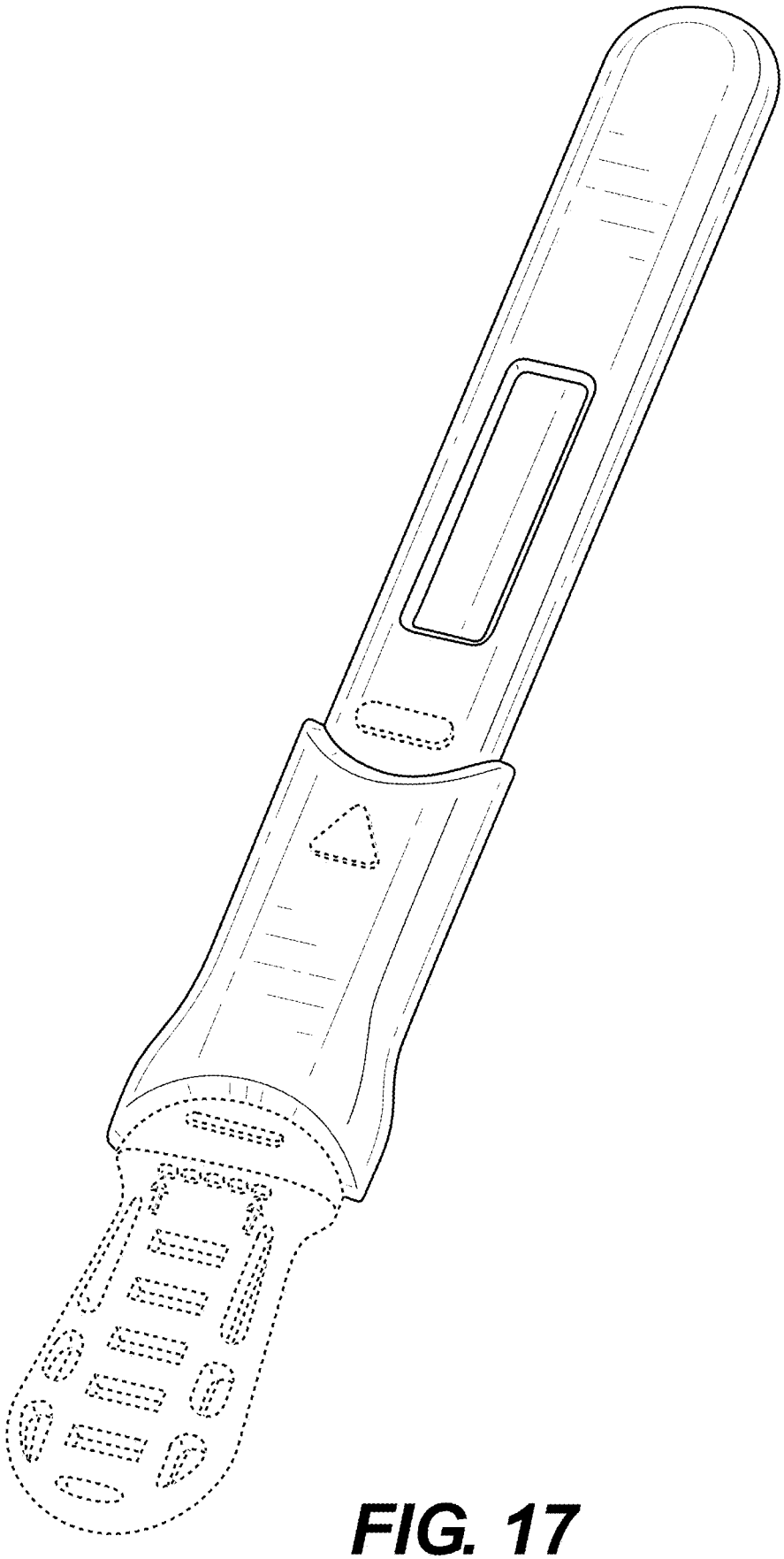
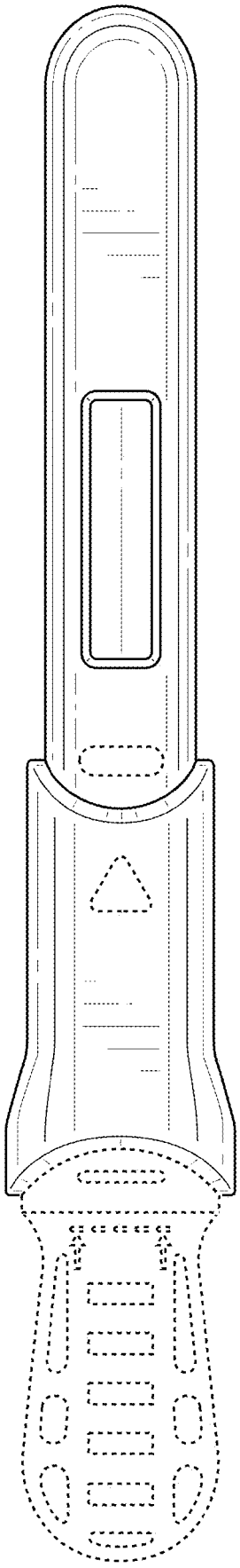


FIG. 17



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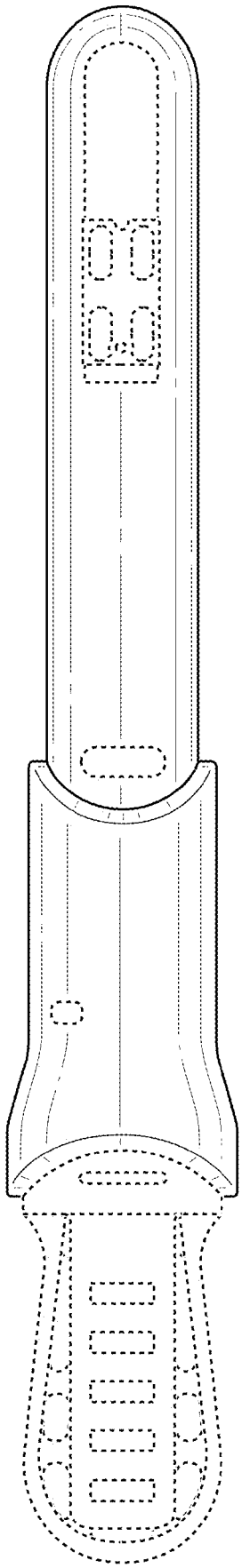

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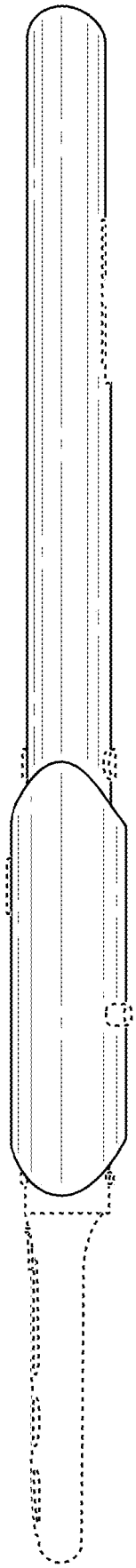

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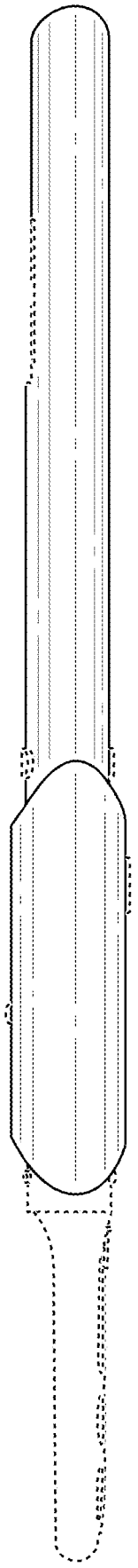


FIG. 21

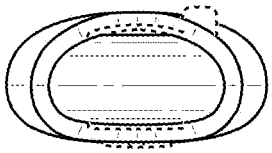


FIG. 22

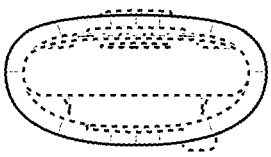


FIG. 23

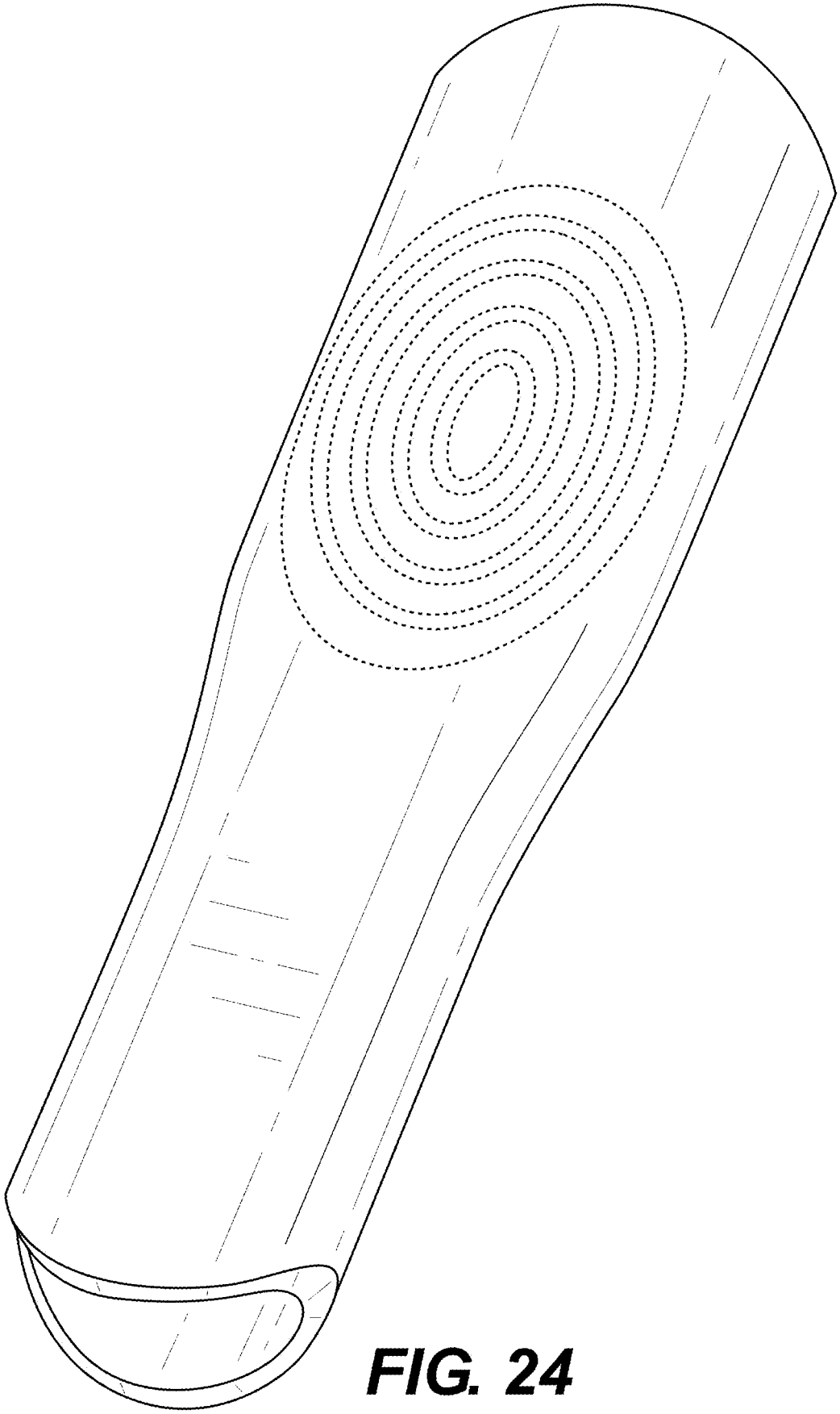
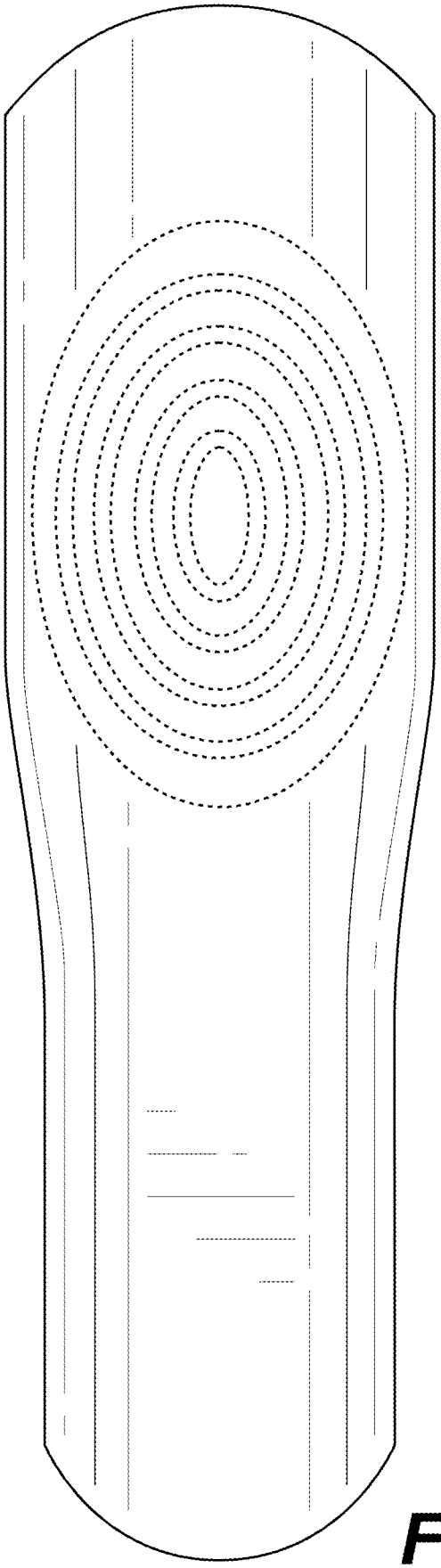


FIG. 24



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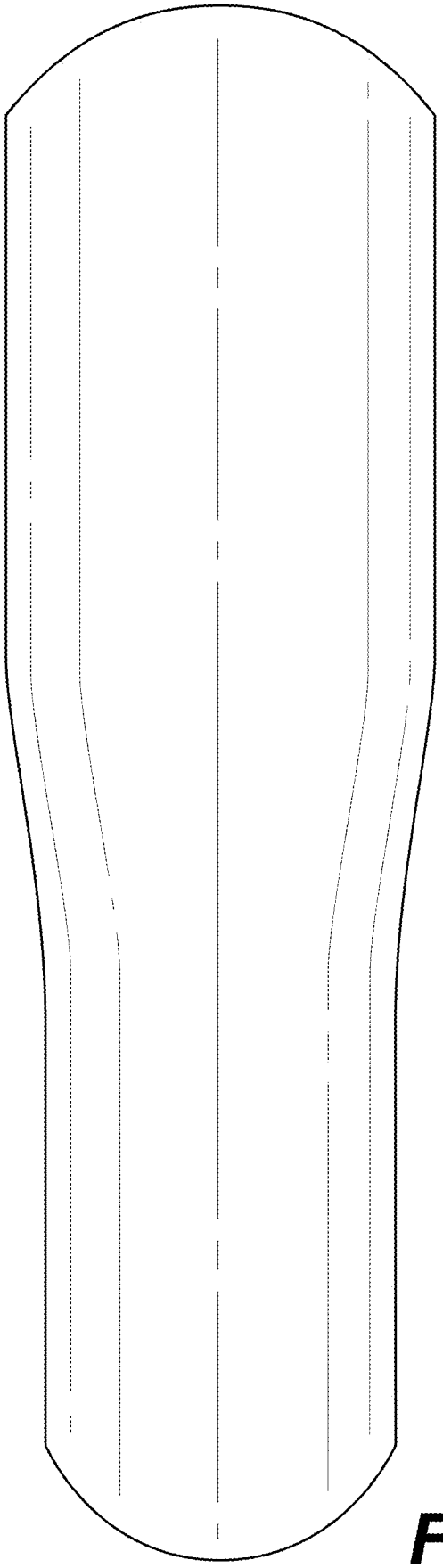

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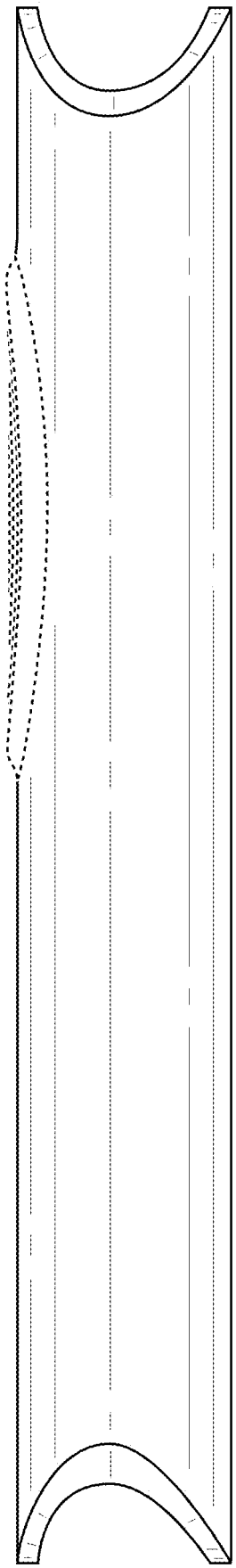
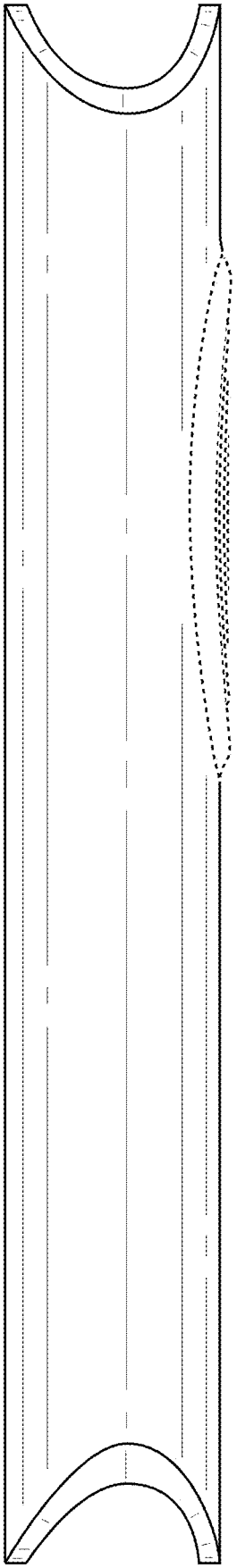


FIG. 27



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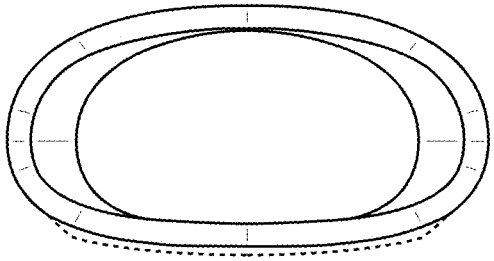

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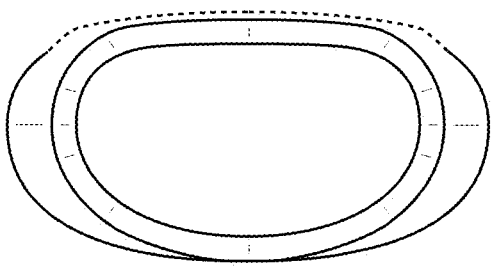

FIG. 30