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

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(45) **Date of Patent: ** Aug. 30, 2022**

(54) **SURGICAL INSTRUMENT BACKEND HOUSING**

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(73) Assignee: **Intuitive Surgical Operations, Inc.**, Sunnyvale, CA (US)

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

(21) Appl. No.: **29/808,671**

(22) Filed: **Sep. 22, 2021**

Related U.S. Application Data

(62) Division of application No. 29/731,599, filed on Apr. 16, 2020, now Pat. No. Des. 933,223, which is a (Continued)

(51) **LOC (13) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/145**
(58) **Field of Classification Search**
USPC D24/133, 144–145, 127
(Continued)

(56) **References Cited**

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(57) **CLAIM**

The ornamental design for a surgical instrument backend housing, as shown and described.

DESCRIPTION

FIG. **1** is a front top perspective view of a surgical instrument backend housing of our new design;
FIG. **2** is another front top perspective view thereof;
FIG. **3** is a rear top perspective view thereof;
FIG. **4** is another rear top perspective view thereof;
FIG. **5** is a front view thereof;
FIG. **6** is a rear view thereof;
FIG. **7** is a right side view thereof;
FIG. **8** is a left side view thereof;
FIG. **9** is a top view thereof; and,
FIG. **10** is a perspective view of the surgical instrument backend housing of FIGS. **1-9**.

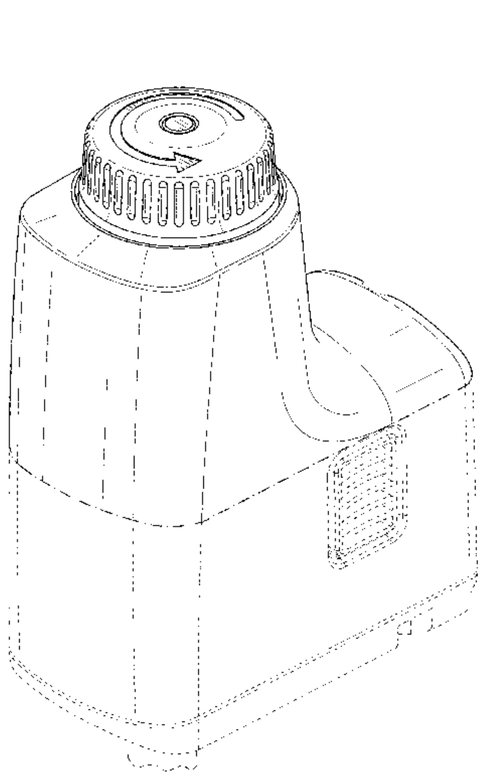
Bottom views of the surgical instrument backend housing embodiments are omitted as the bottom view forms no part of the claimed design.

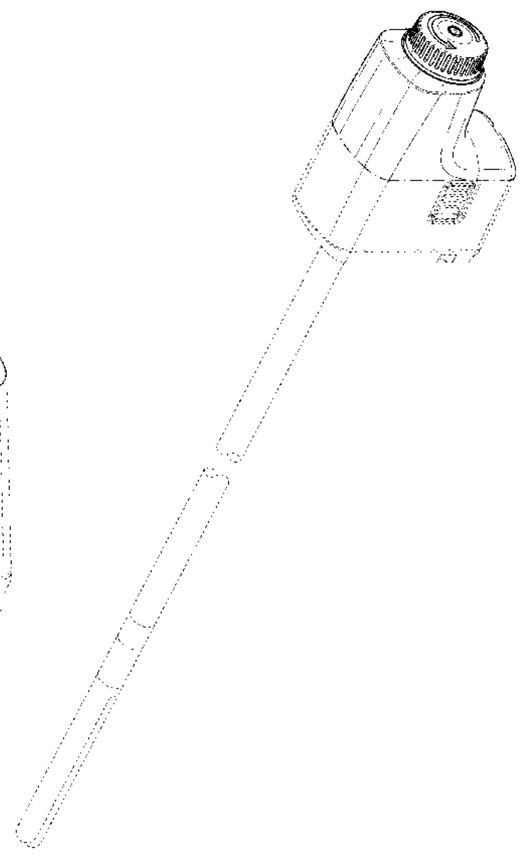
The surgical instrument backend housing is not limited to the scale shown herein.

The shade lines in the Figures show contour and not surface ornamentation.

The dash-dot-dash broken lines immediately adjacent the shaded areas represent the bounds of the claimed design while the unclaimed shaft and all other broken lines are included for the purpose of illustrating portions and environmental elements of the surgical instrument backend housing; the broken lines form no part of the claimed design.

1 Claim, 9 Drawing Sheets





Related U.S. Application Data

division of application No. 29/644,770, filed on Apr. 20, 2018, now Pat. No. Des. 884,892.

(58) **Field of Classification Search**

CPC A61B 17/115; A61B 17/0684; A61B 17/0686; A61B 17/068; A61B 2017/07214; A61B 2017/07257

See application file for complete search history.

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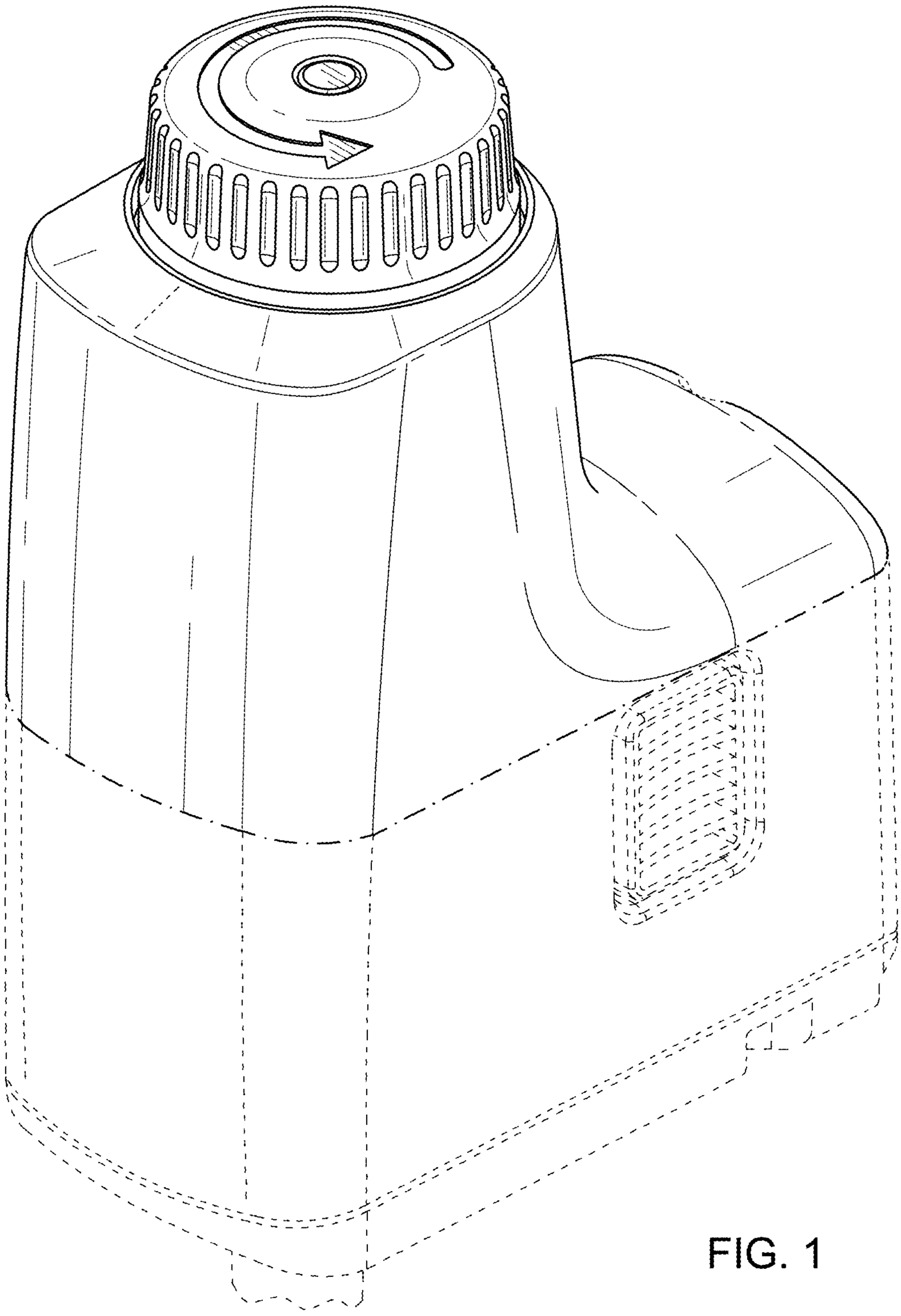

FIG. 1

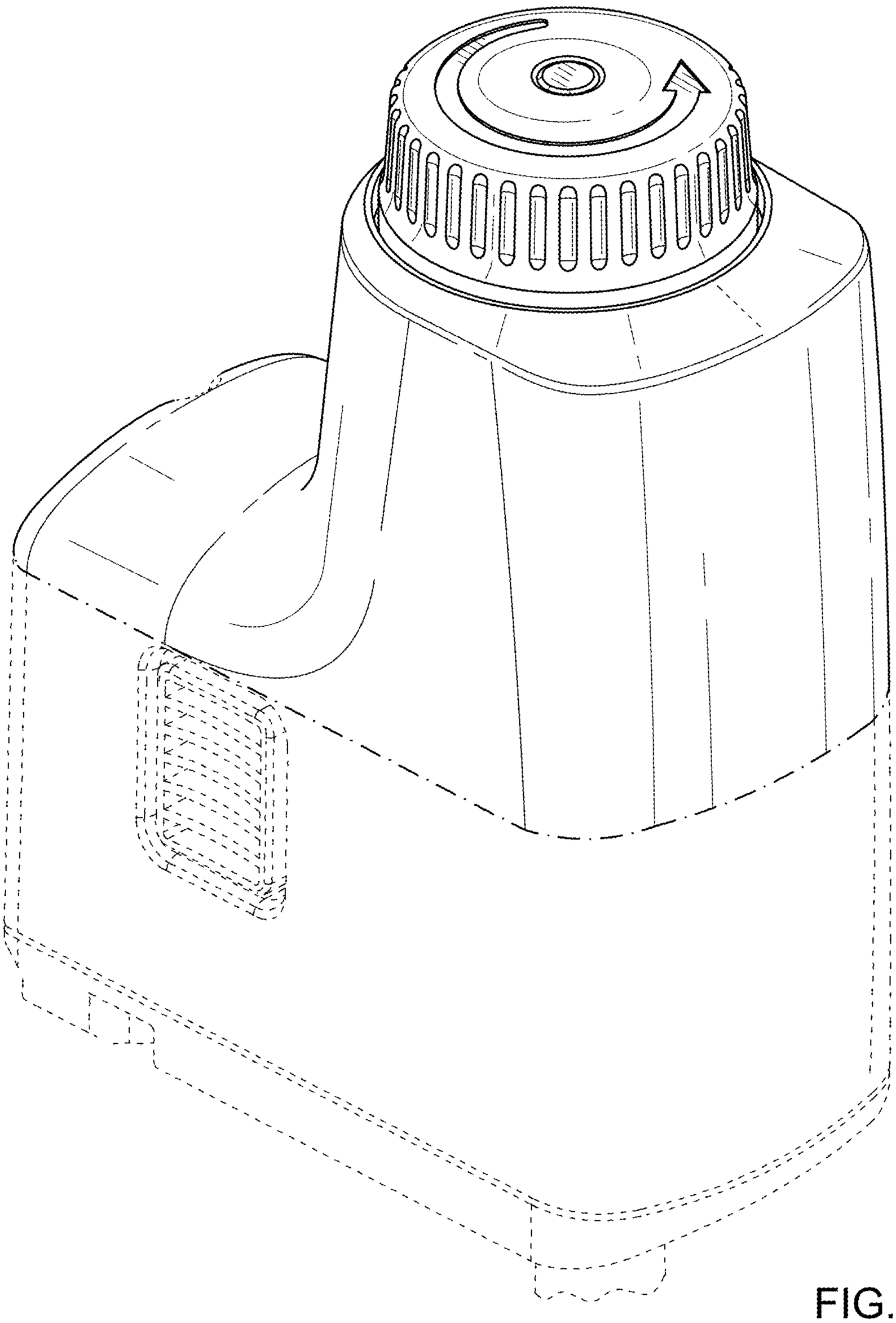

FIG. 2

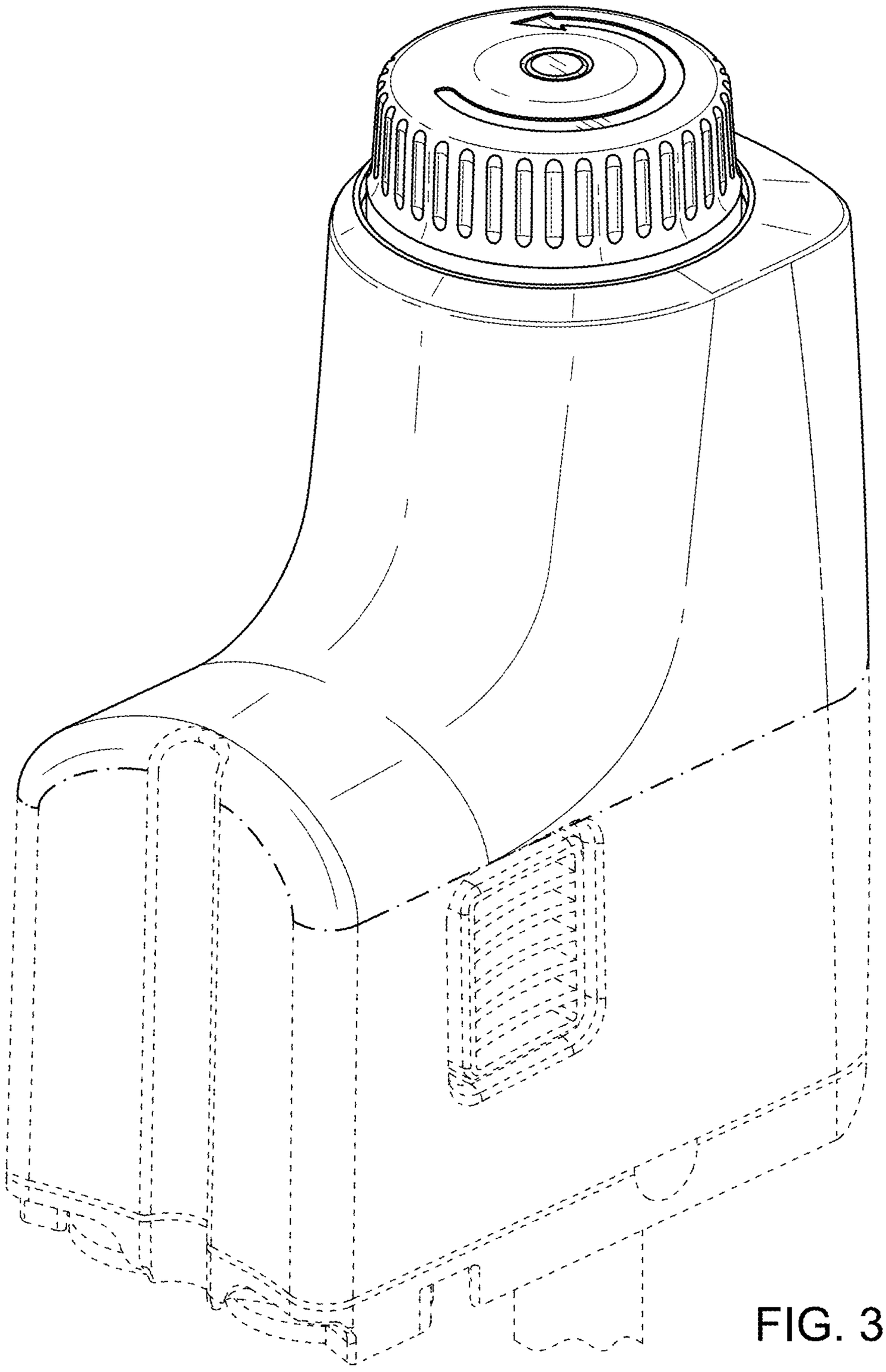

FIG. 3

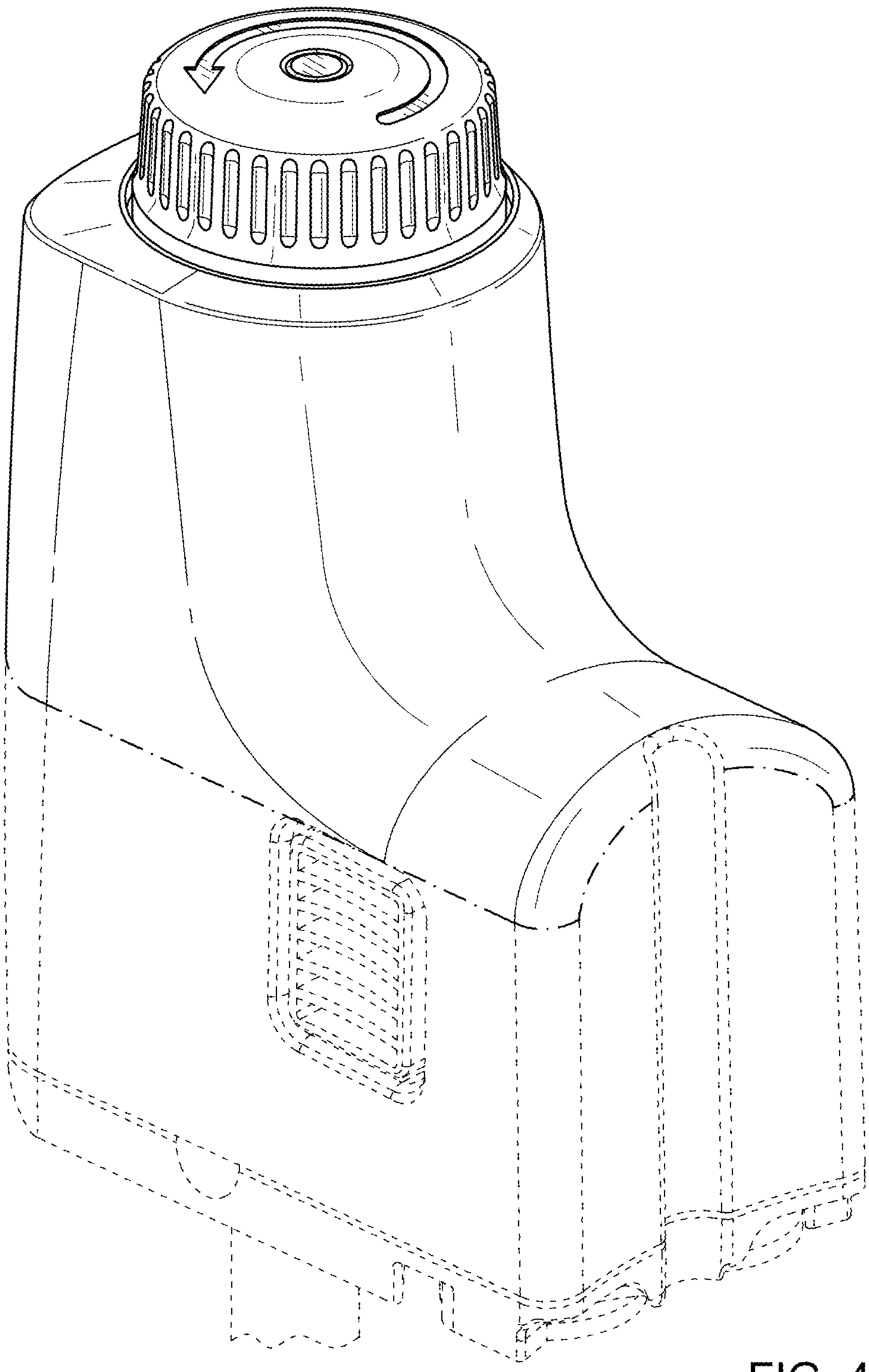

FIG. 4

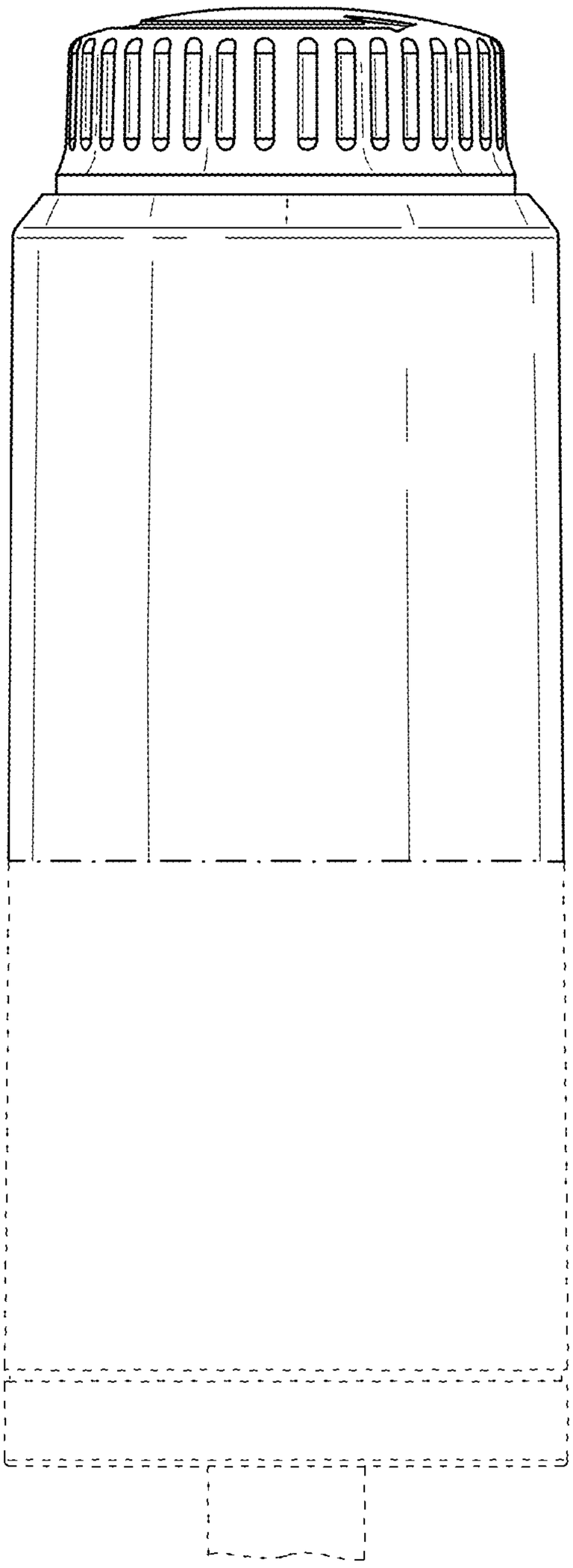

FIG. 5

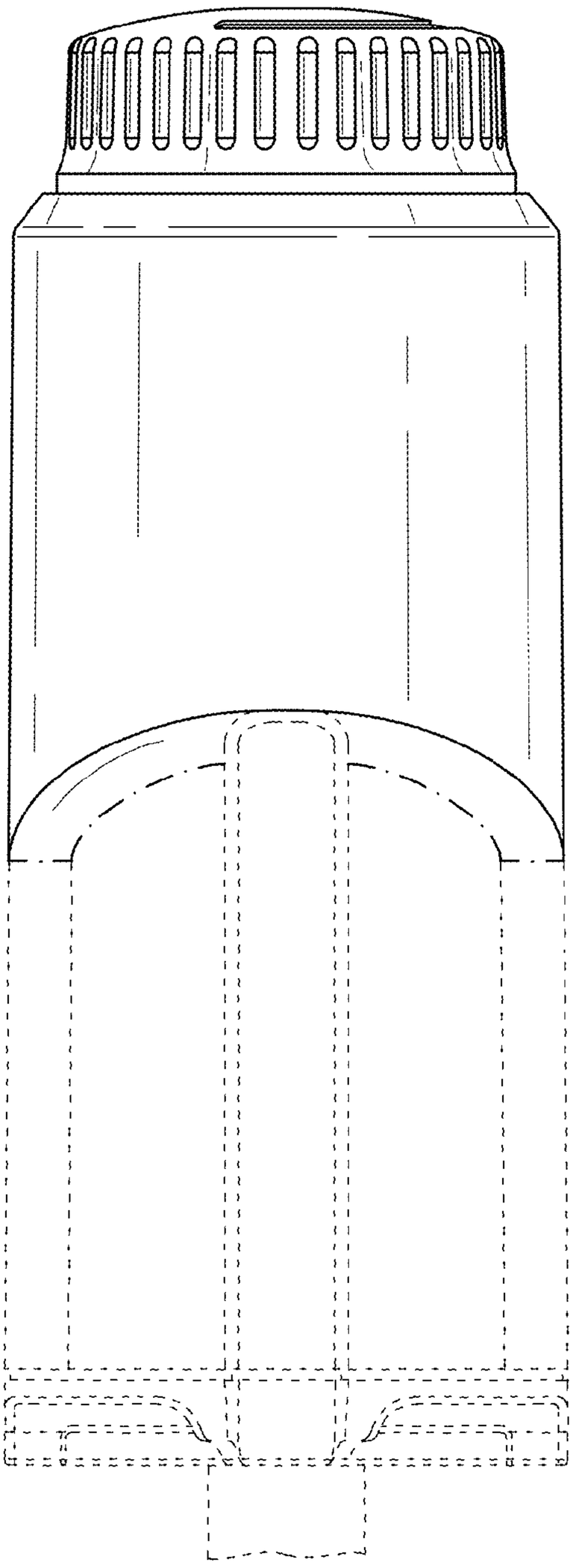

FIG. 6

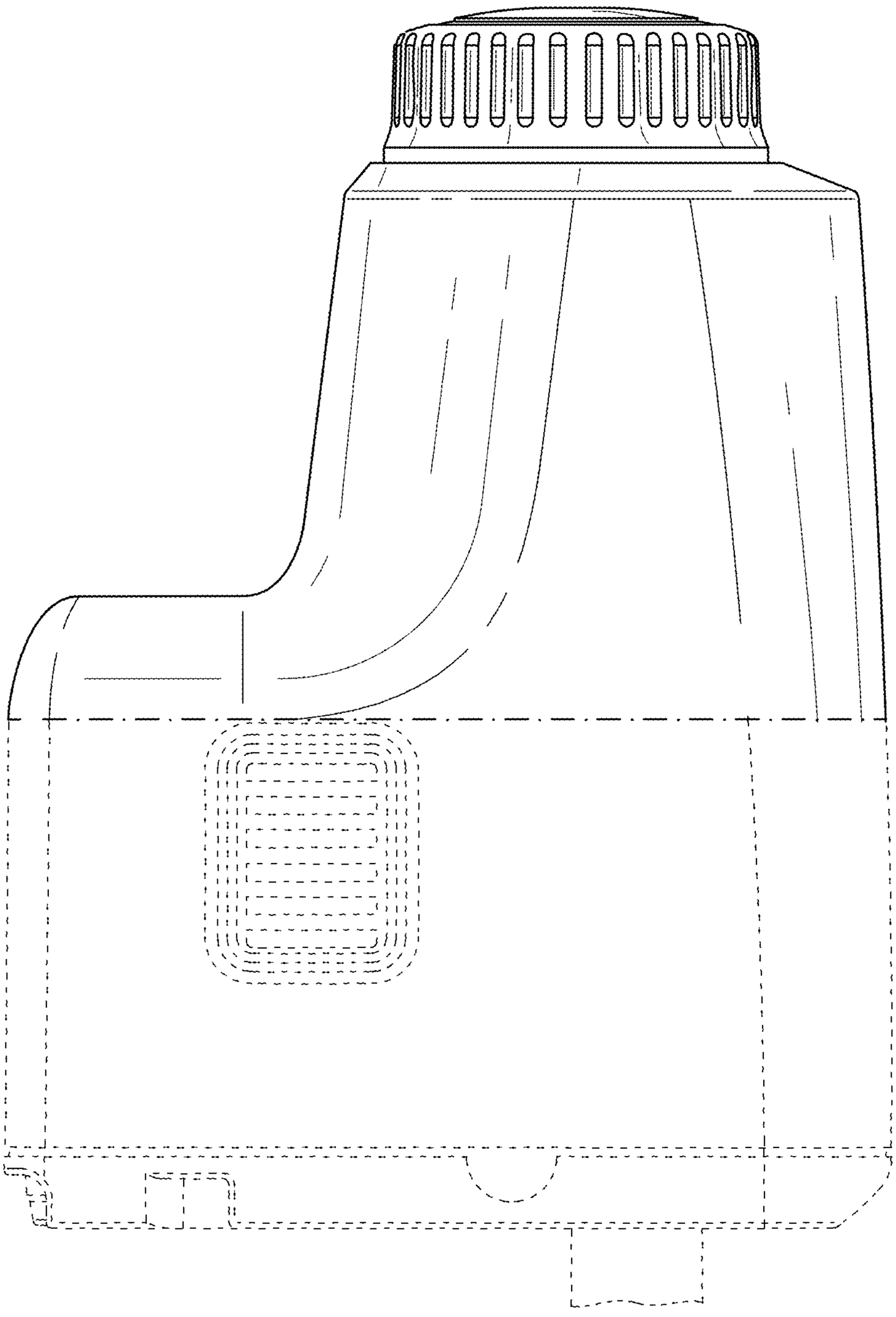

FIG. 7

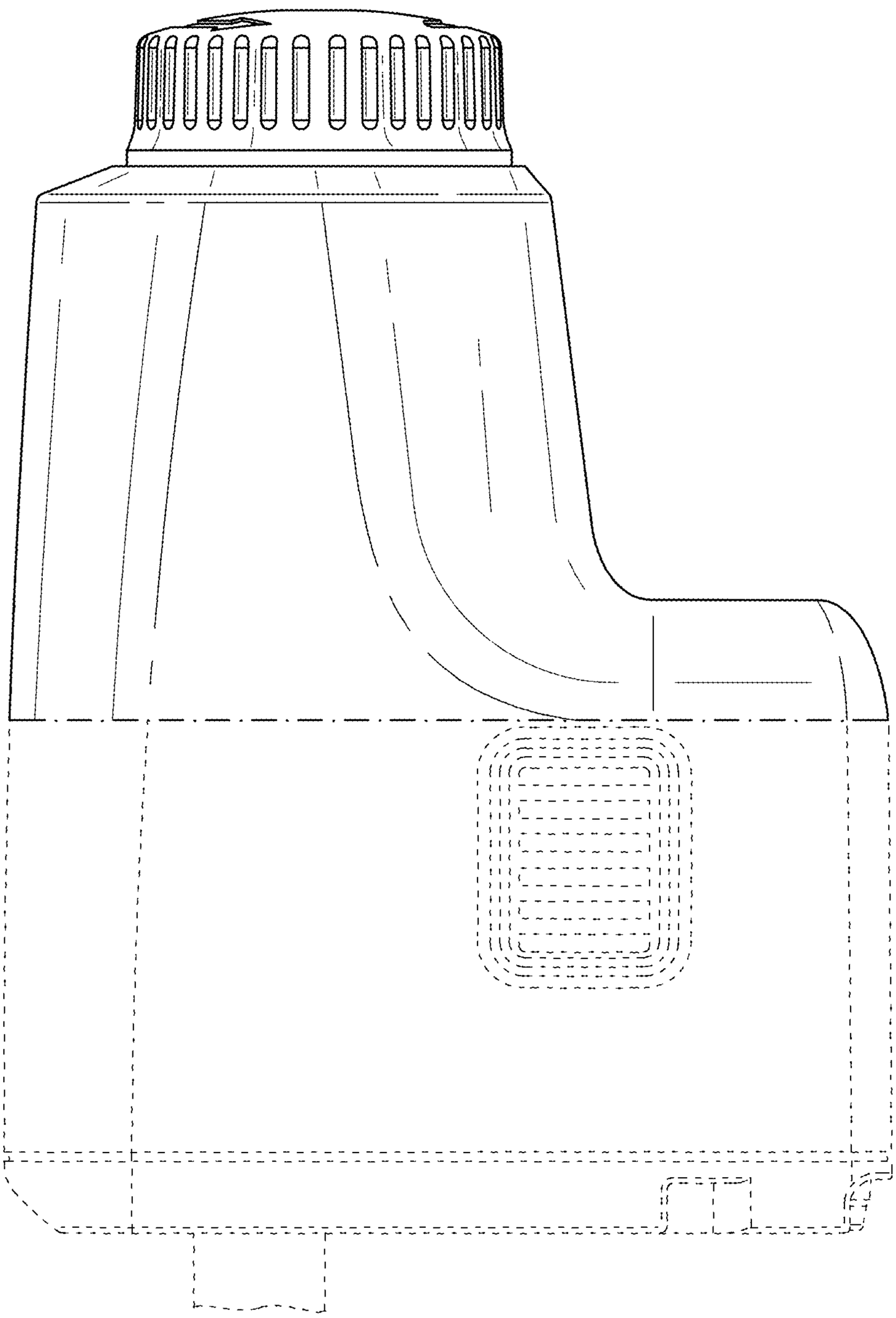

FIG. 8

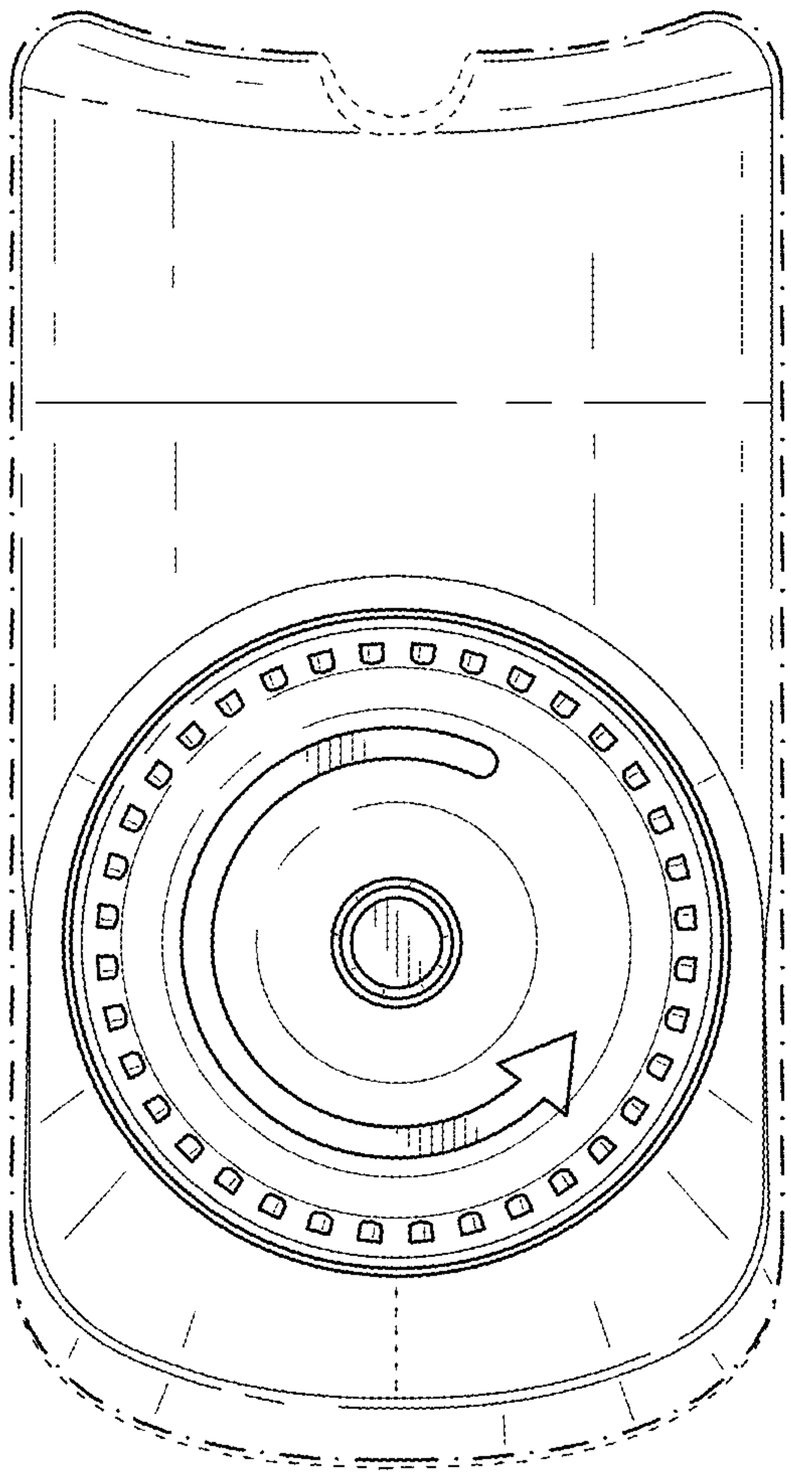

FIG. 9

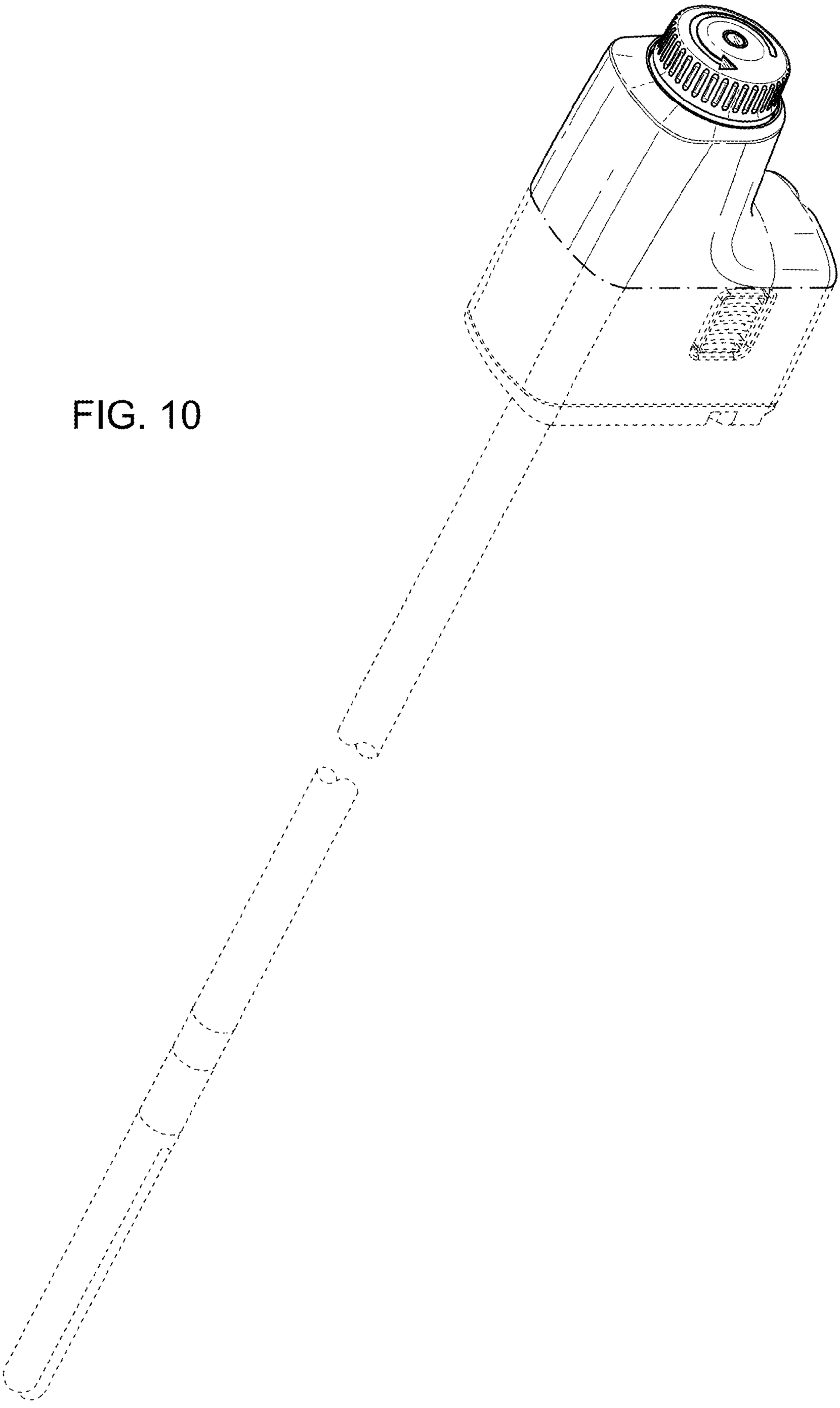

FIG. 10