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(12) **United States Design Patent**  
**Cederschiöld**

(10) **Patent No.:** **US D717,947 S**

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(54) **SPIKE FOR MEDICAL VIAL ACCESS DEVICE**

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(73) Assignee: **Carmel Pharma AB**, Molndal (SE)

(\*\*) Term: **14 Years**

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(22) Filed: **Jul. 13, 2012**

(51) **LOC (10) Cl.** ..... **24-01**

(52) **U.S. Cl.**  
USPC ..... **D24/129**

(58) **Field of Classification Search**

CPC ..... A61M 5/3286; A61M 2205/195;  
A61M 5/162; A61M 5/19; A61M 5/1782;  
A61J 2001/201; A61J 1/20; B65B 3/003  
USPC ..... D24/107, 108, 127, 129, 130; 604/403,  
604/404, 406, 411, 412, 414, 415; 141/285,  
141/309, 311 R, 329

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a spike for a medical vial access device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a spike for medical vial access device according to our new design;

FIG. 2 is a bottom perspective view of the spike for medical vial access device;

FIG. 3 is an enlarged perspective view of the spike for medical vial access device shown in FIG. 2;

FIG. 4 is a bottom perspective view of the spike for medical vial access device taken from a different angle;

FIG. 5 is an enlarged perspective view of the spike for medical vial access device shown in FIG. 4;

FIG. 6 is a bottom perspective view of the spike for medical vial access device taken from still another angle;

FIG. 7 is an enlarged perspective view of the spike for medical vial access device shown in FIG. 6;

FIG. 8 is a top plan view of the spike for medical vial access device;

FIG. 9 is an enlarged top plan view of the spike for medical vial access device shown in FIG. 8;

FIG. 10 is a right elevation view of the spike for medical vial access device;

FIG. 11 is an enlarged right elevation view of the spike of the medical vial access device shown in FIG. 10;

FIG. 12 is a front elevation view of the spike for medical vial access device;

FIG. 13 is an enlarged front elevation view of the spike for medical vial access device shown in FIG. 12;

FIG. 14 is a rear elevation view of the spike for medical vial access device;

FIG. 15 is a left elevation view of the spike for medical vial access device;

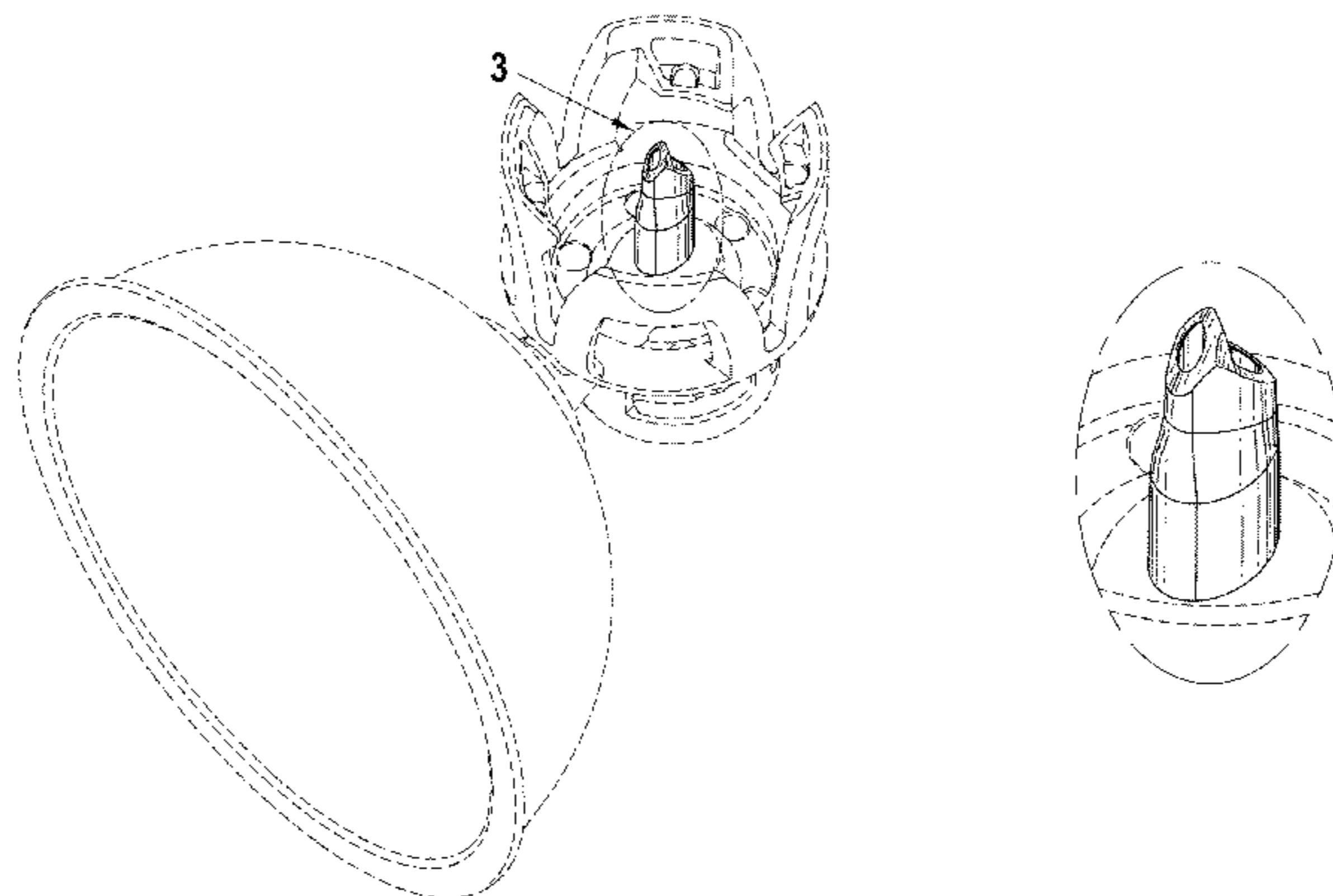
FIG. 16 is an enlarged left elevation view of the spike for medical vial access device shown in FIG. 15;

FIG. 17 is a bottom plan view of the spike for medical vial access device; FIG. 18 is an enlarged bottom plan view of the spike for medical vial access device shown in FIG. 17; and,

FIG. 19 is a cross-sectional view of the spike for medical vial access device.

The even broken line showing of the medical vial access device and the uneven broken lines shown circling the spike in all views is included for the purpose of illustrating the environment of the claimed design and form no part thereof.

**1 Claim, 11 Drawing Sheets**



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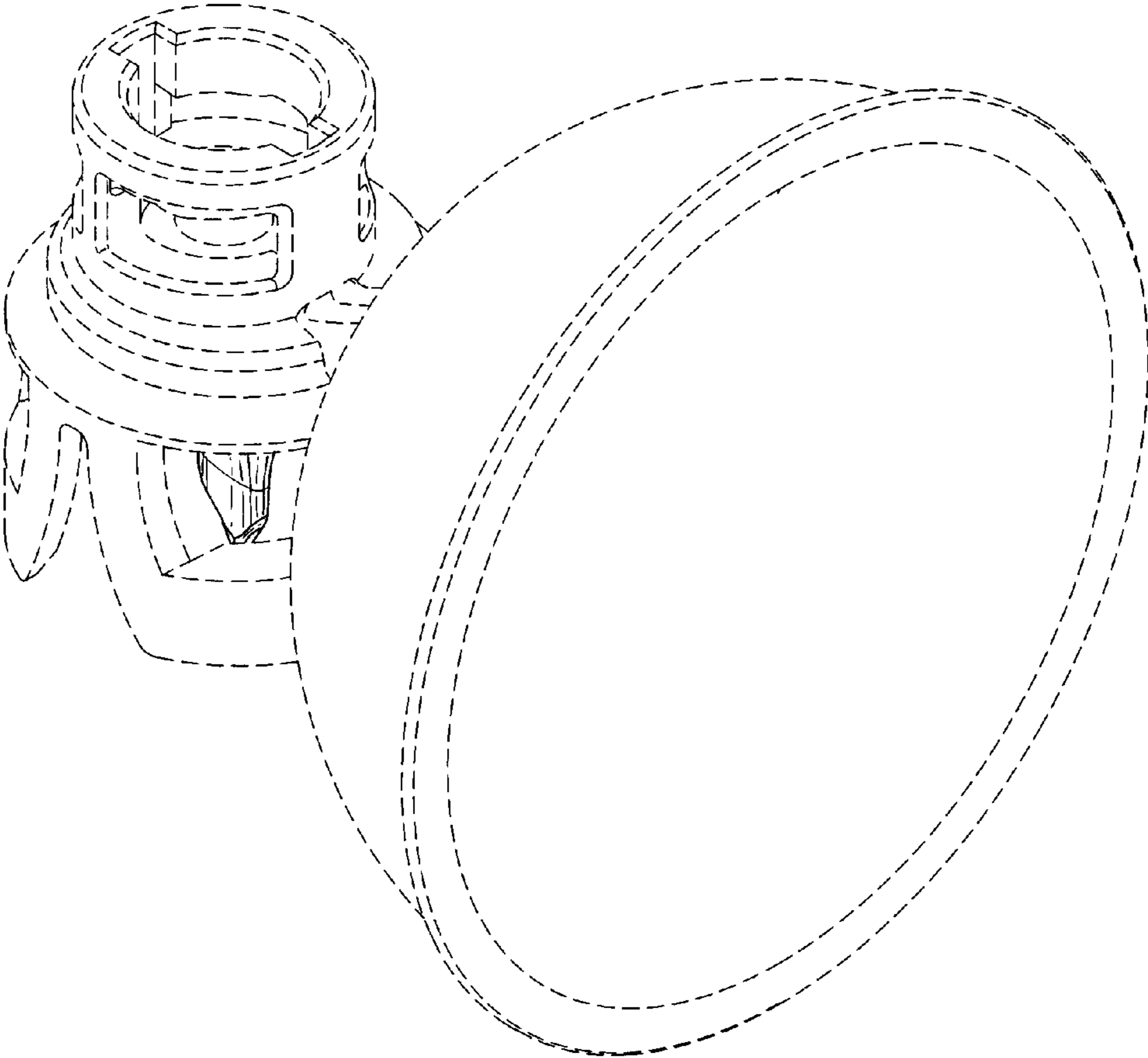


FIG. 1

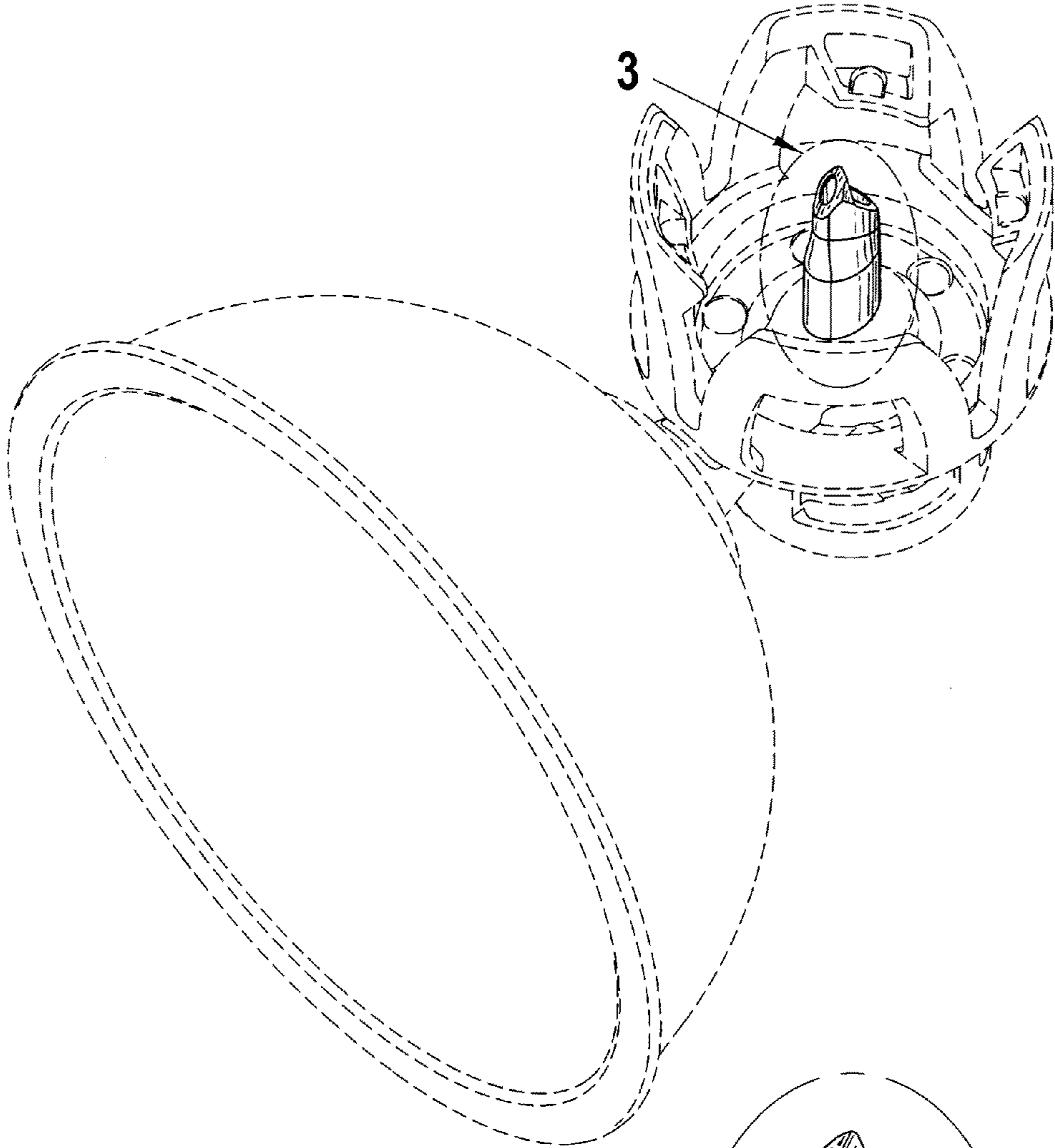


FIG. 2

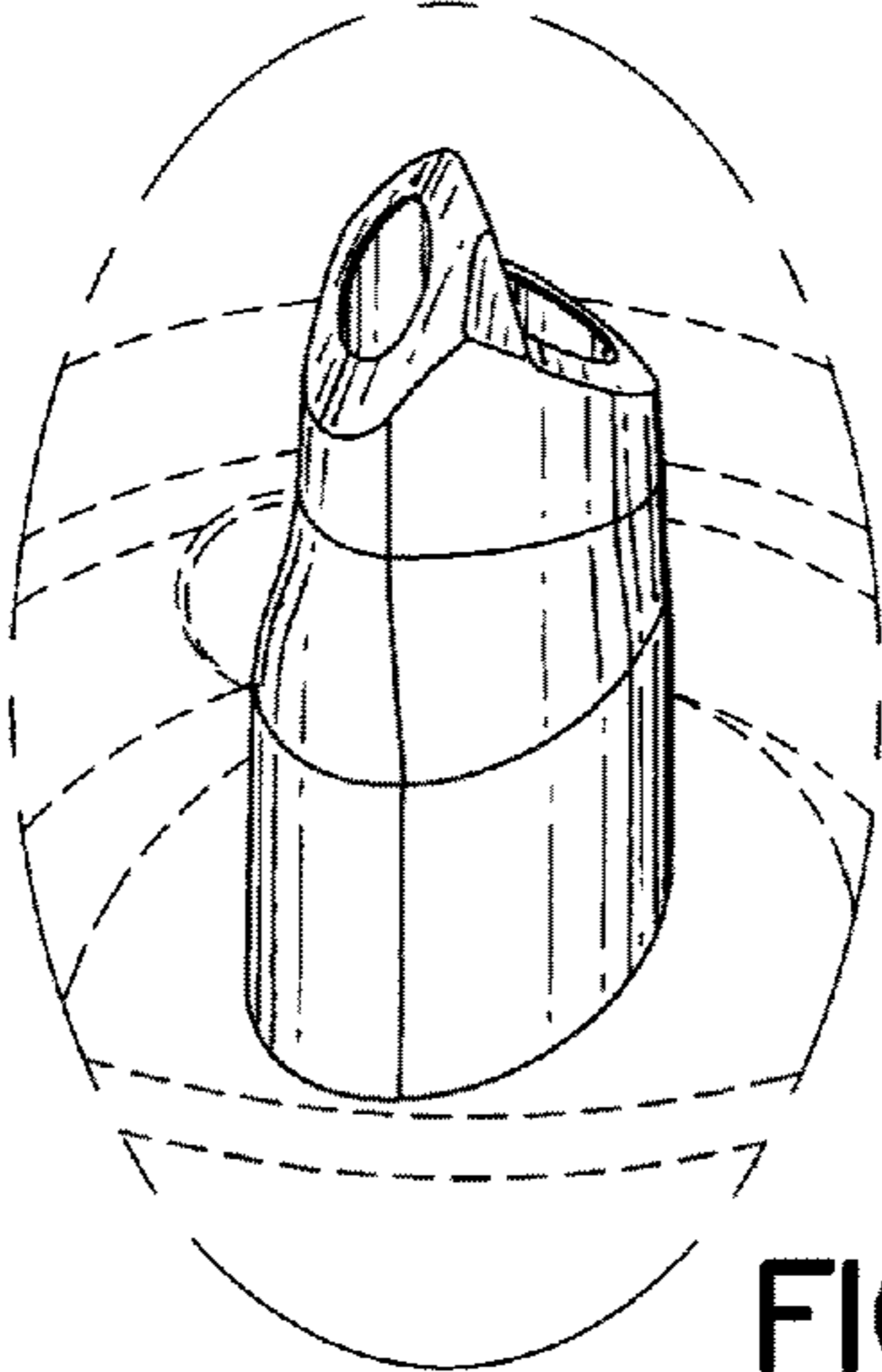


FIG. 3

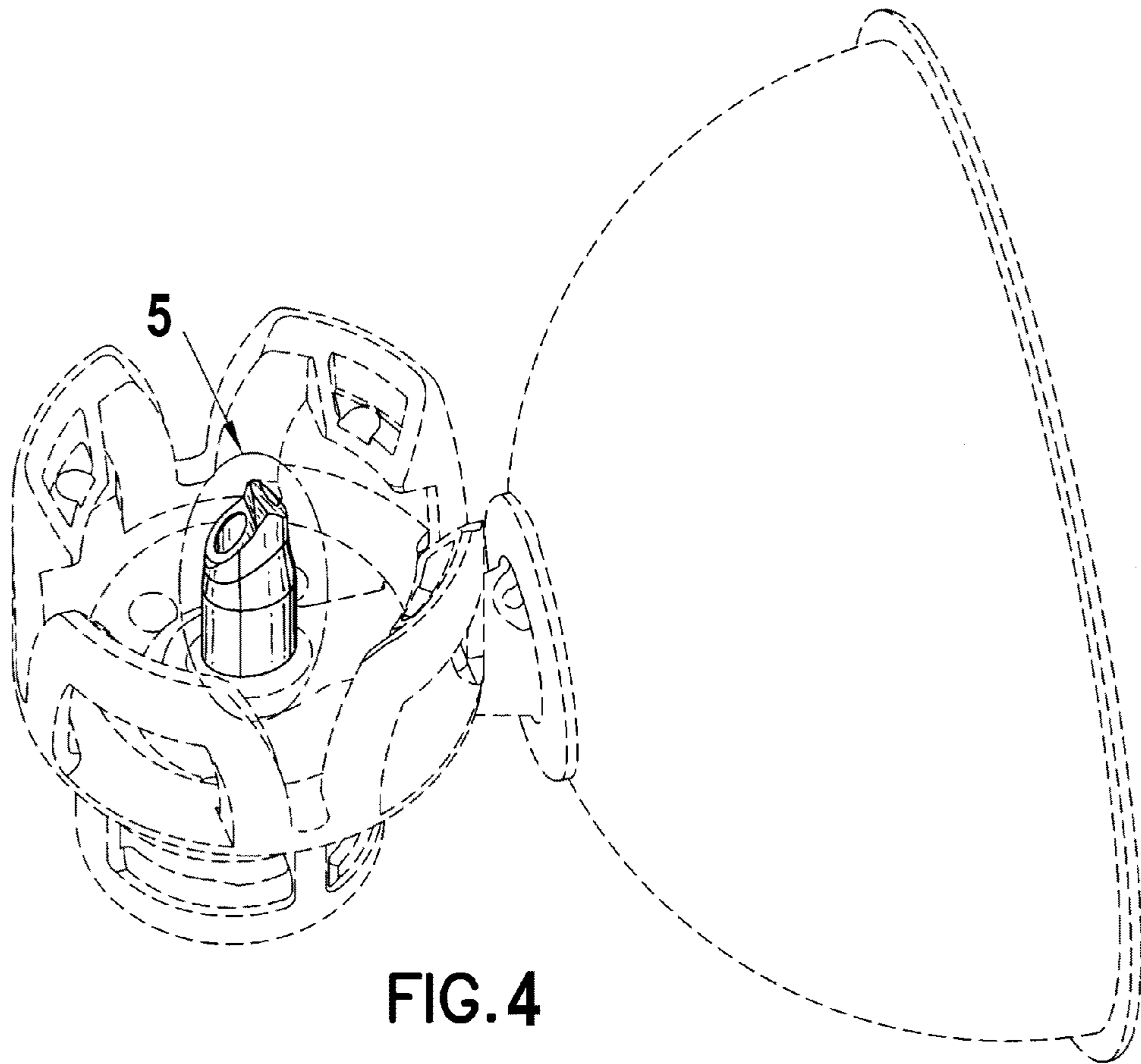


FIG. 4

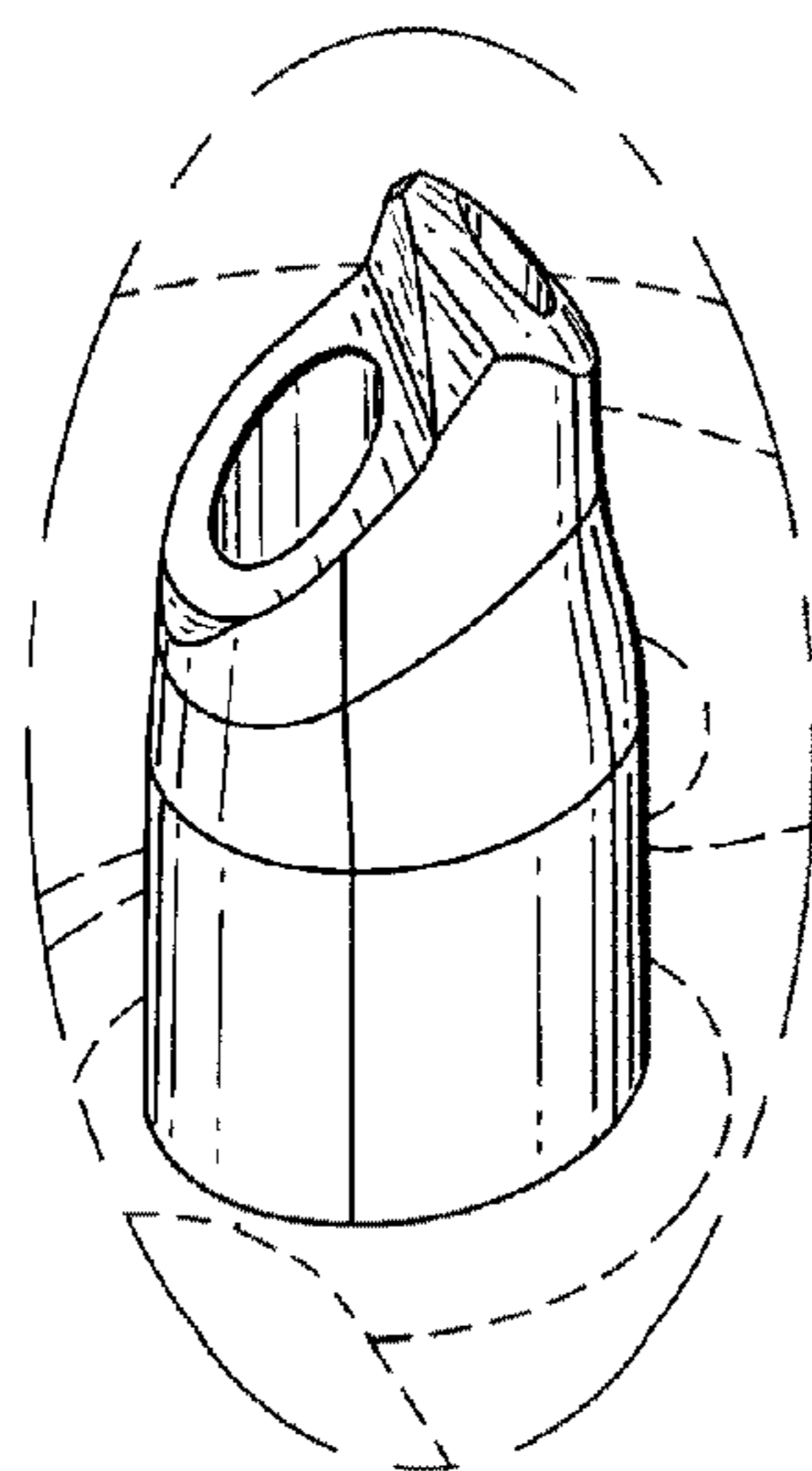


FIG. 5

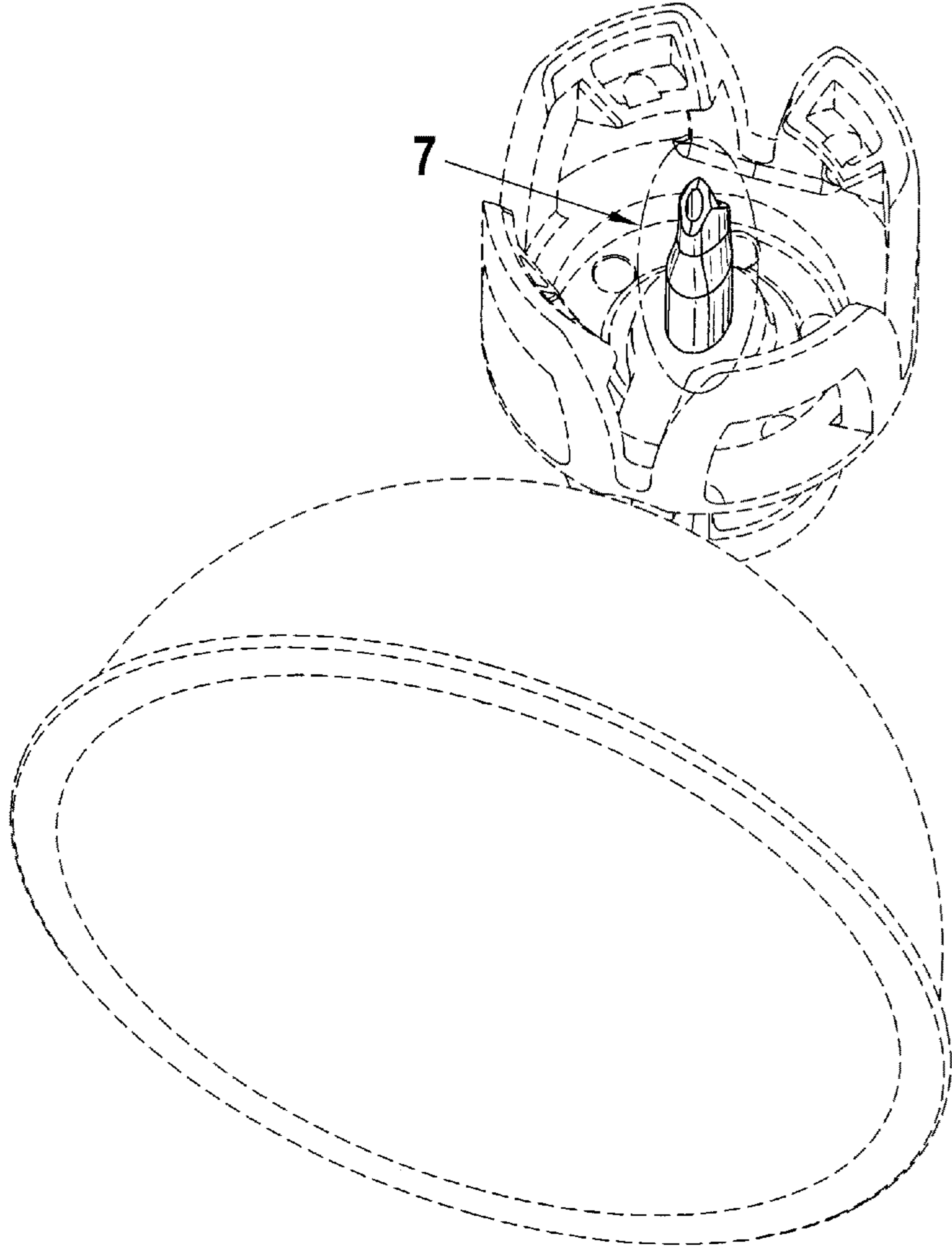


FIG. 6

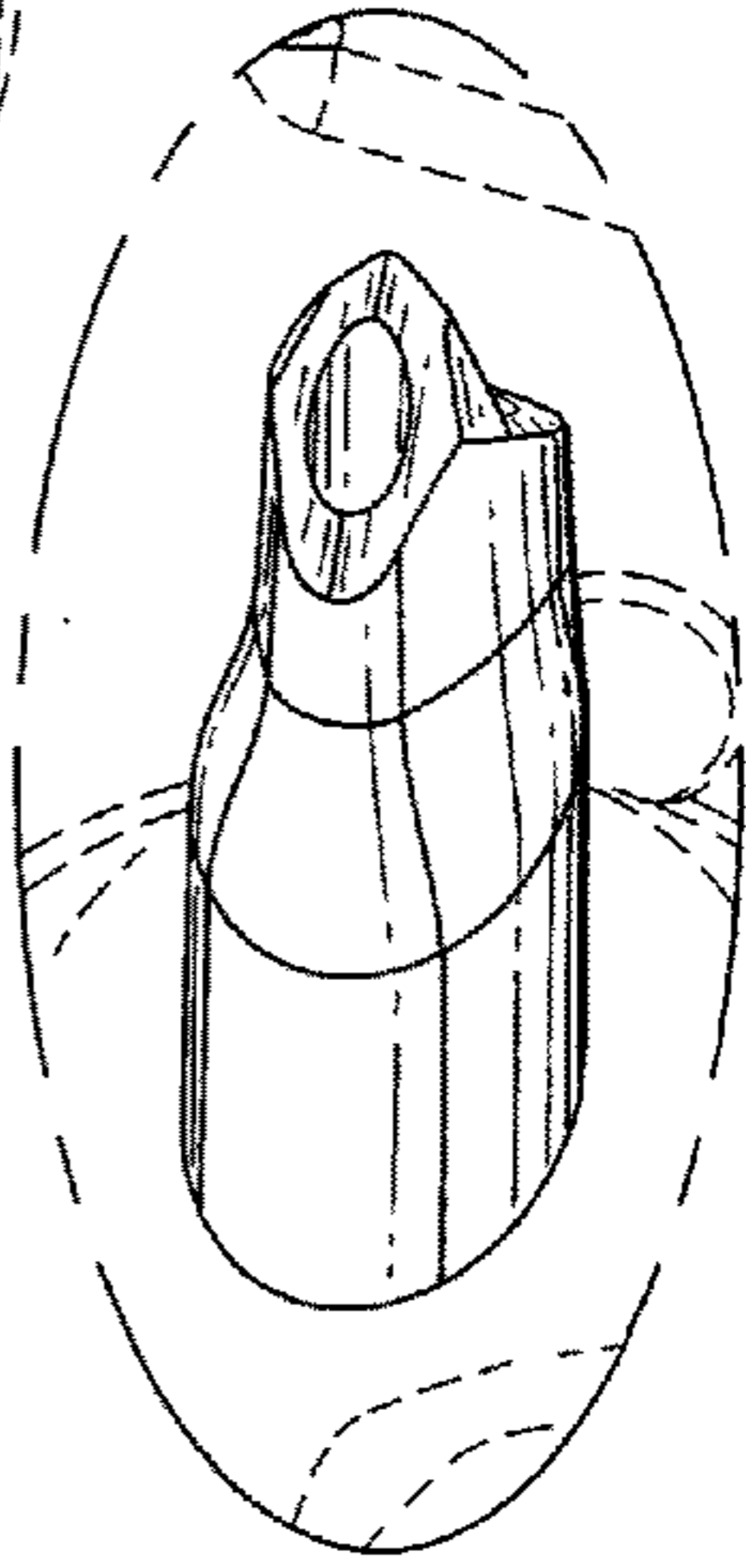
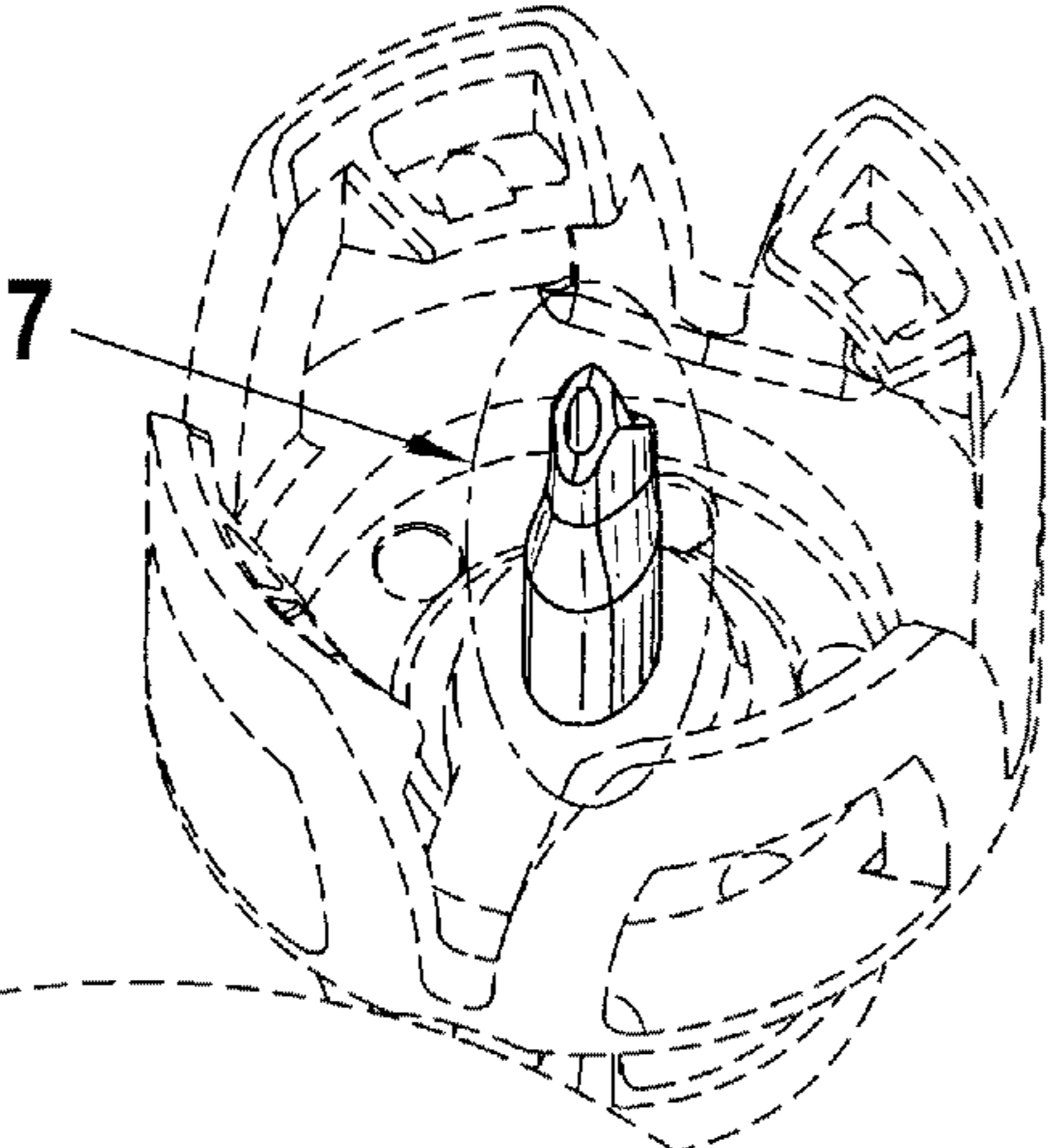


FIG. 7

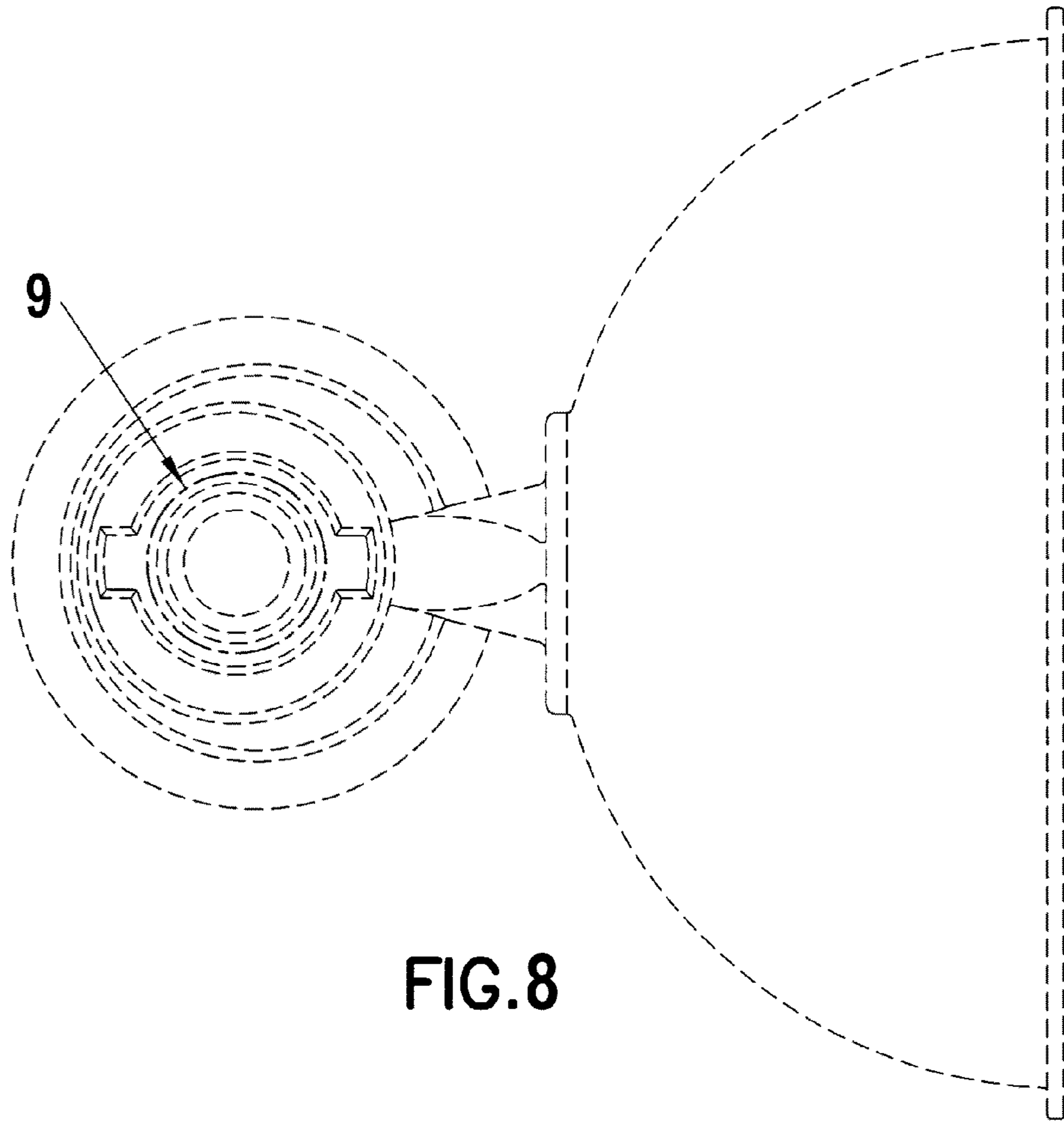


FIG. 8

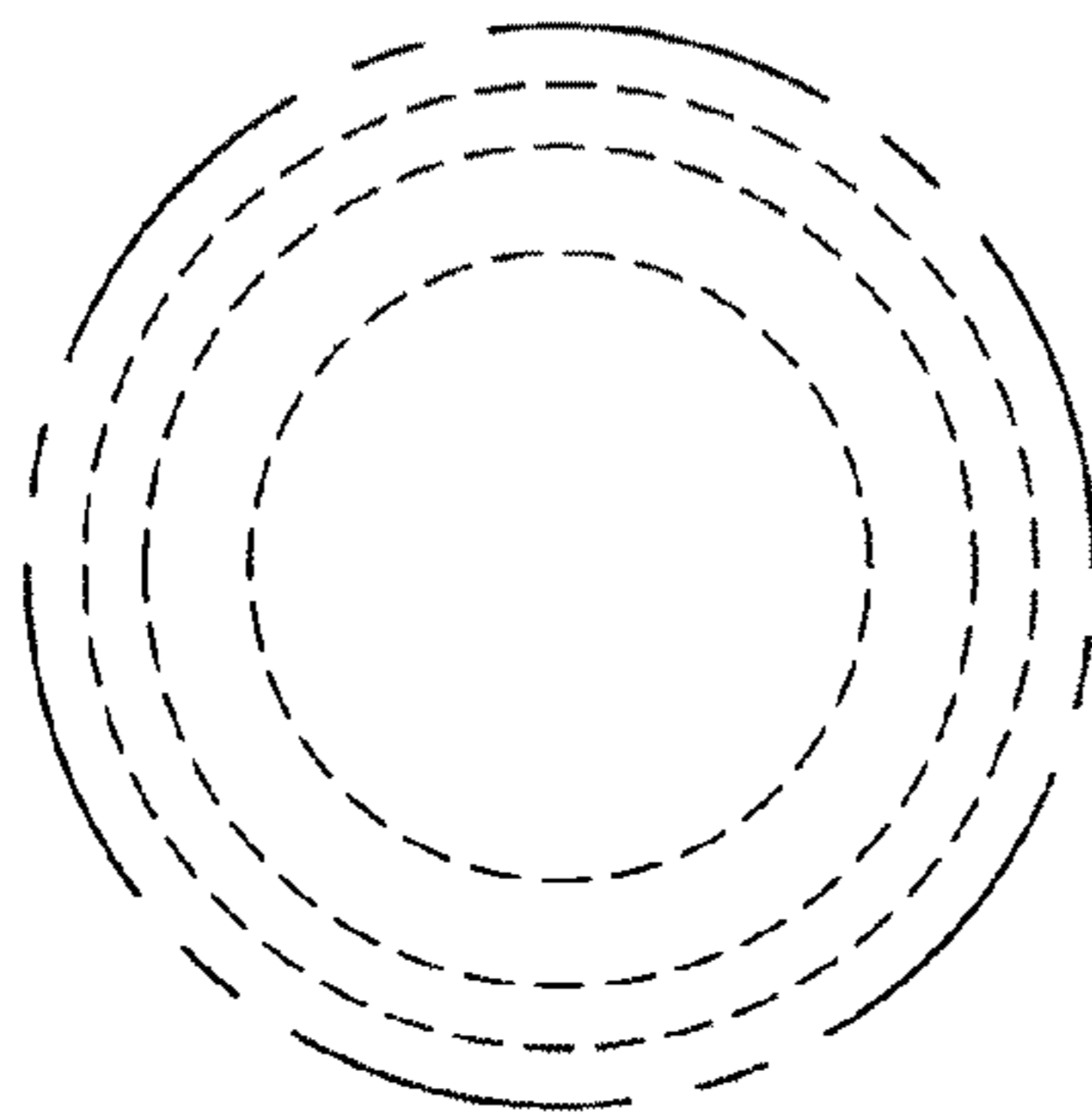
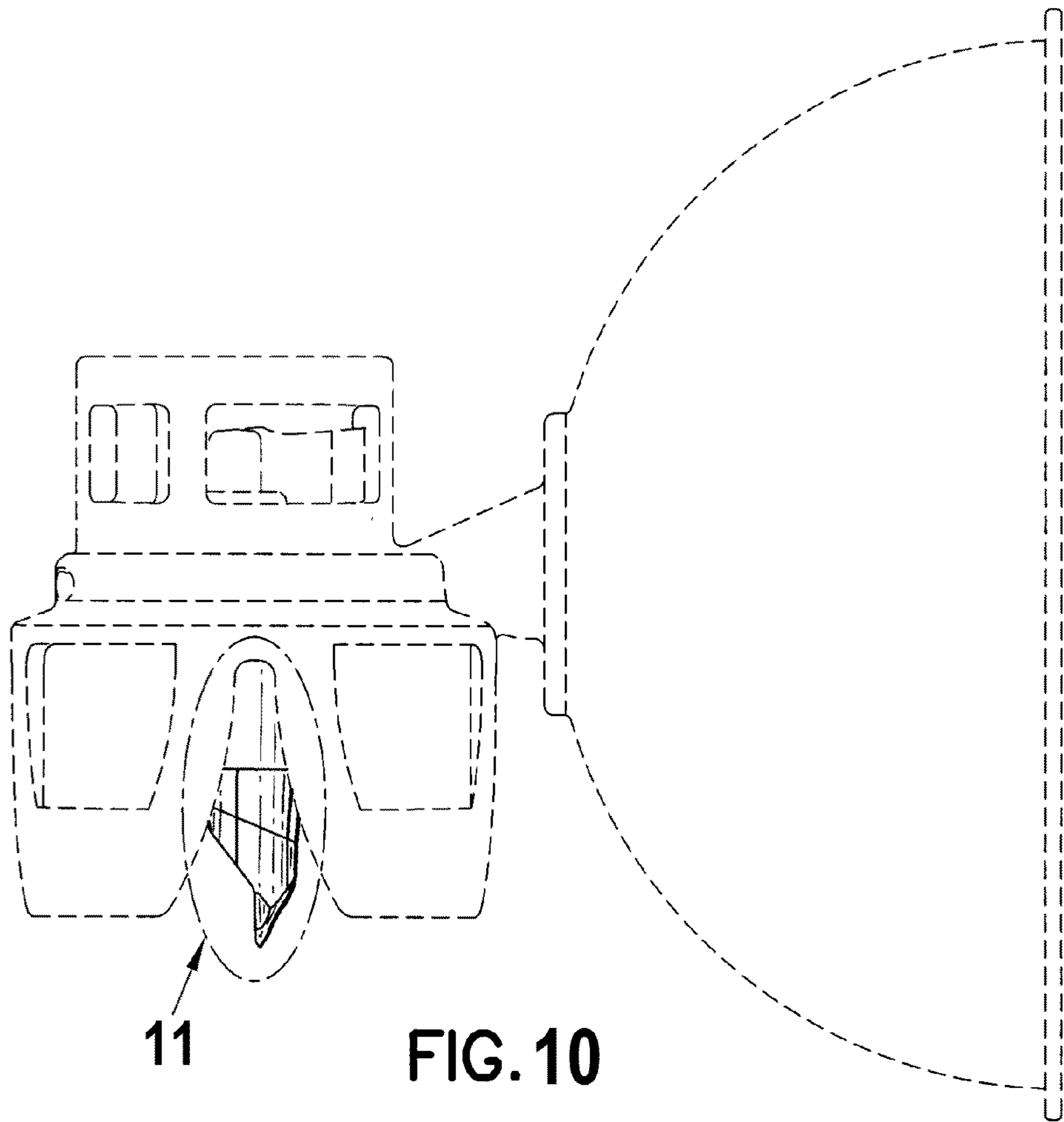


FIG. 9



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FIG. 10

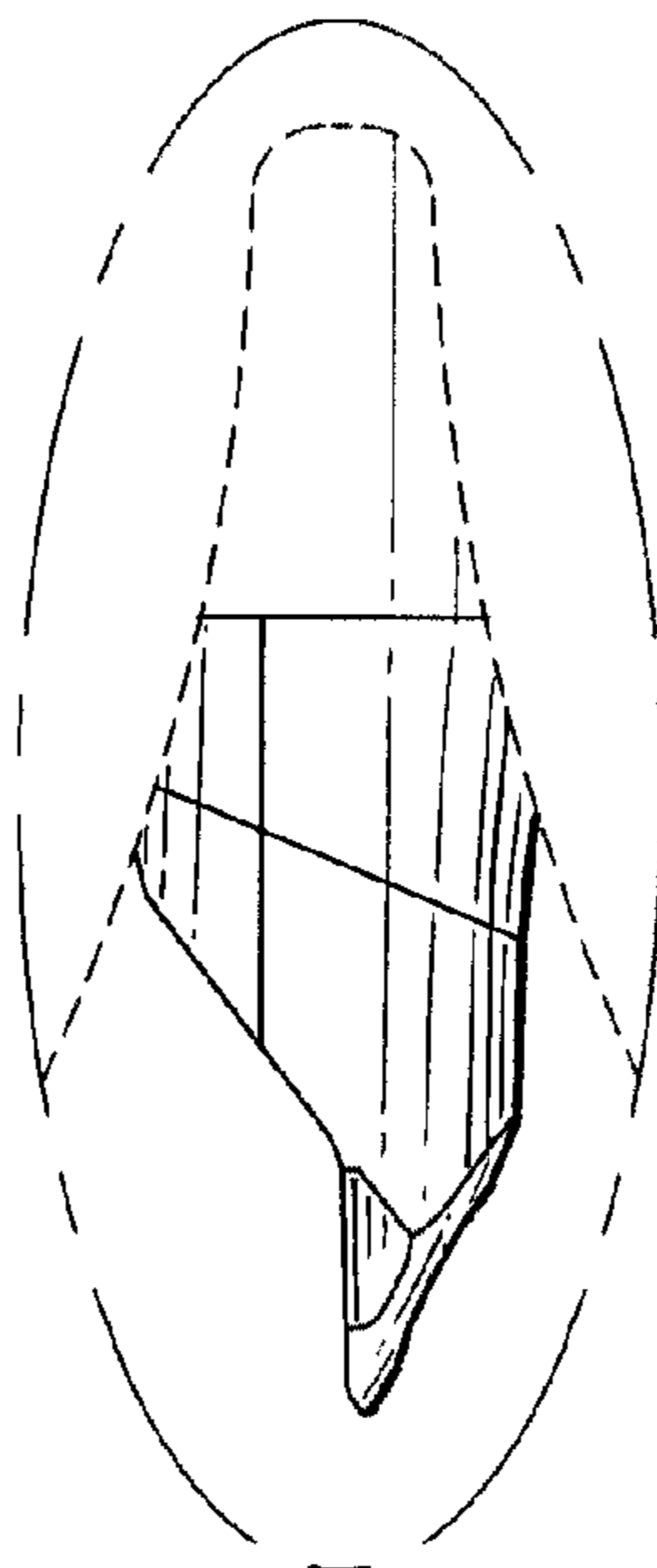
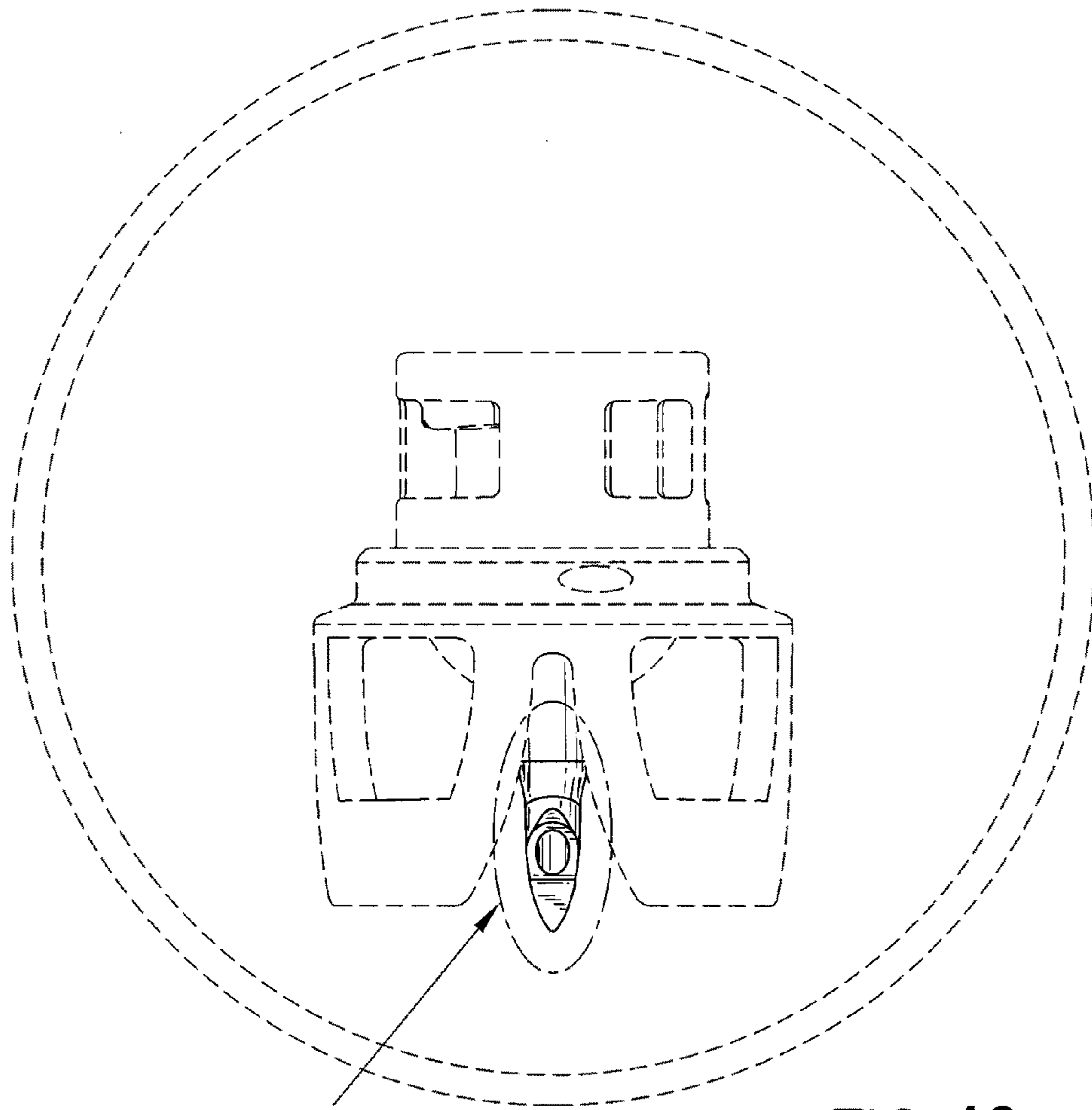


FIG. 11





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FIG. 12

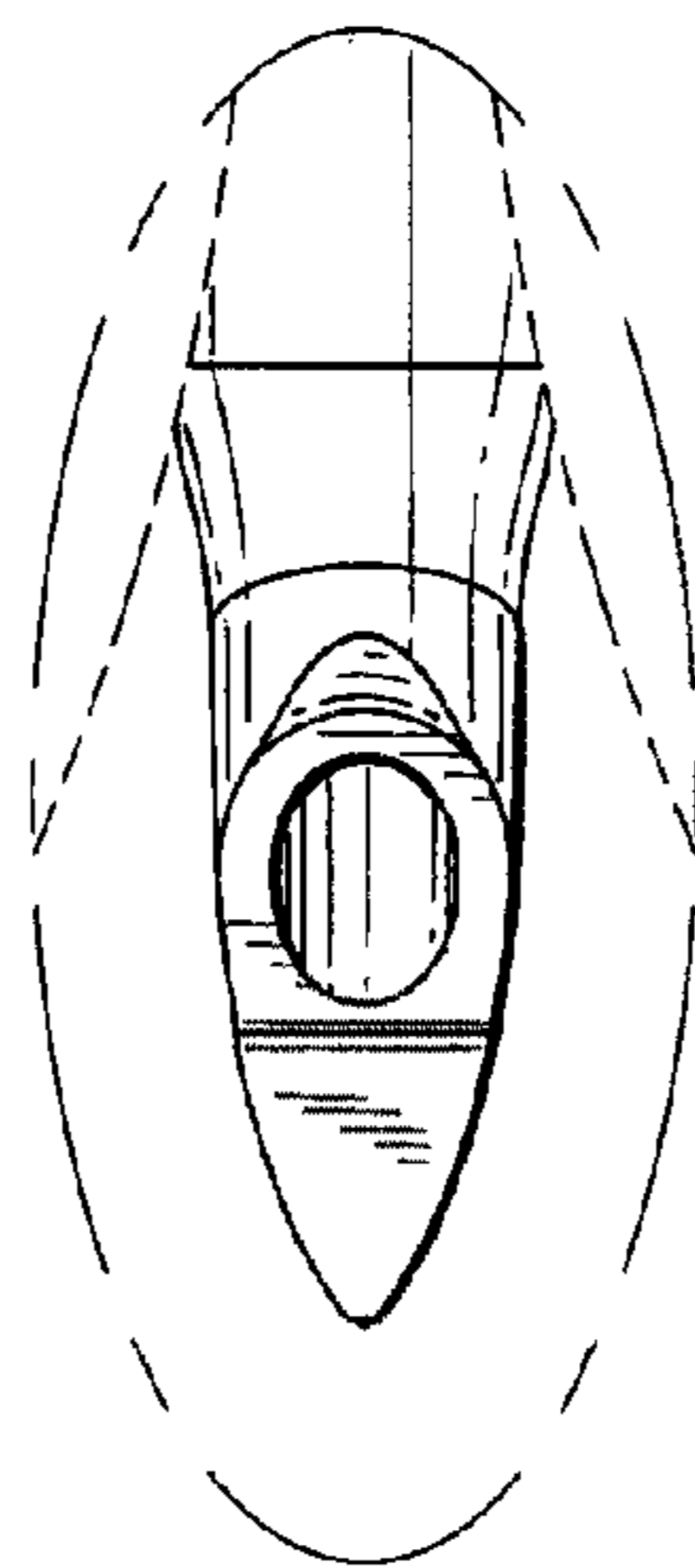


FIG. 13

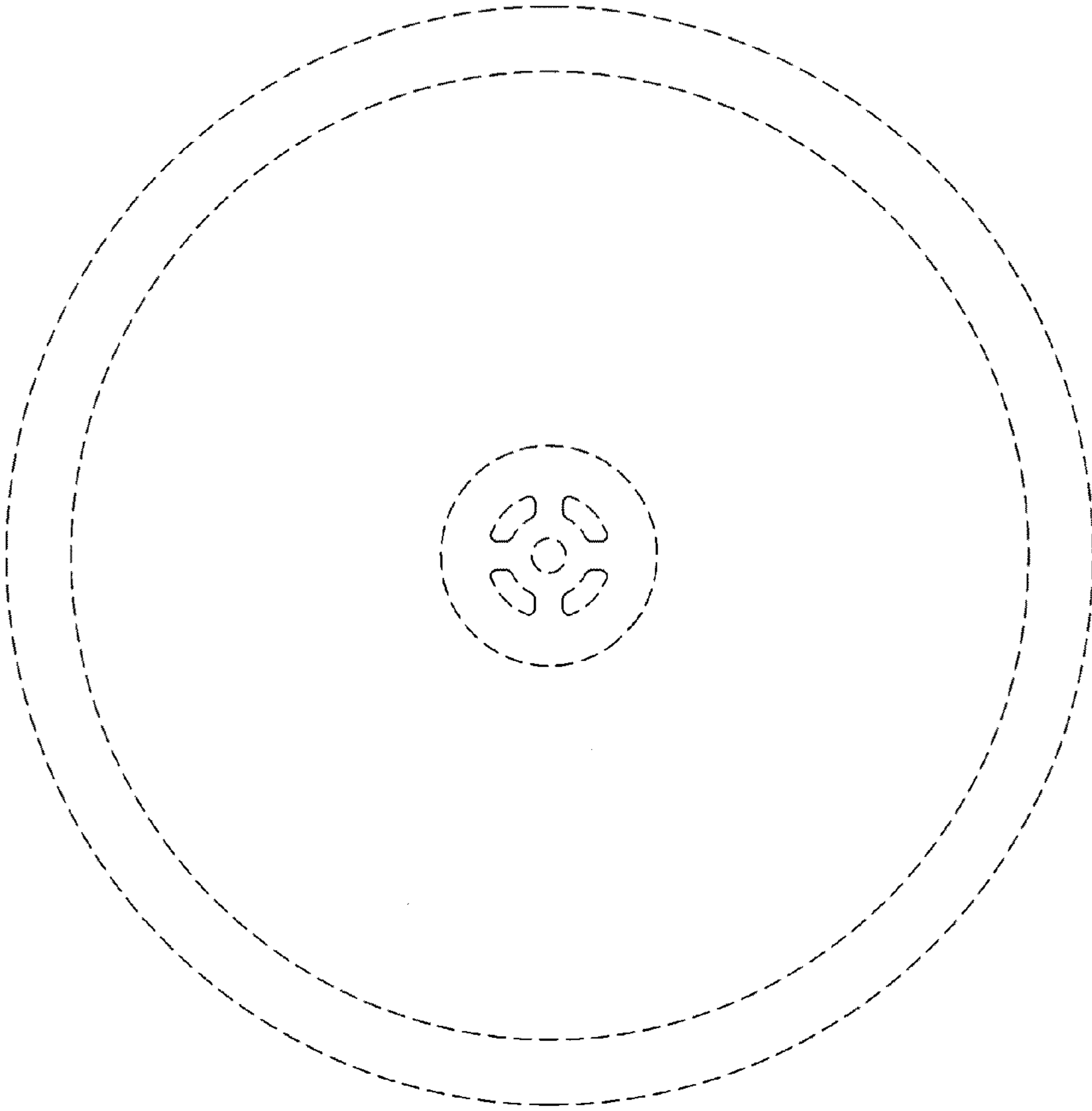


FIG. 14

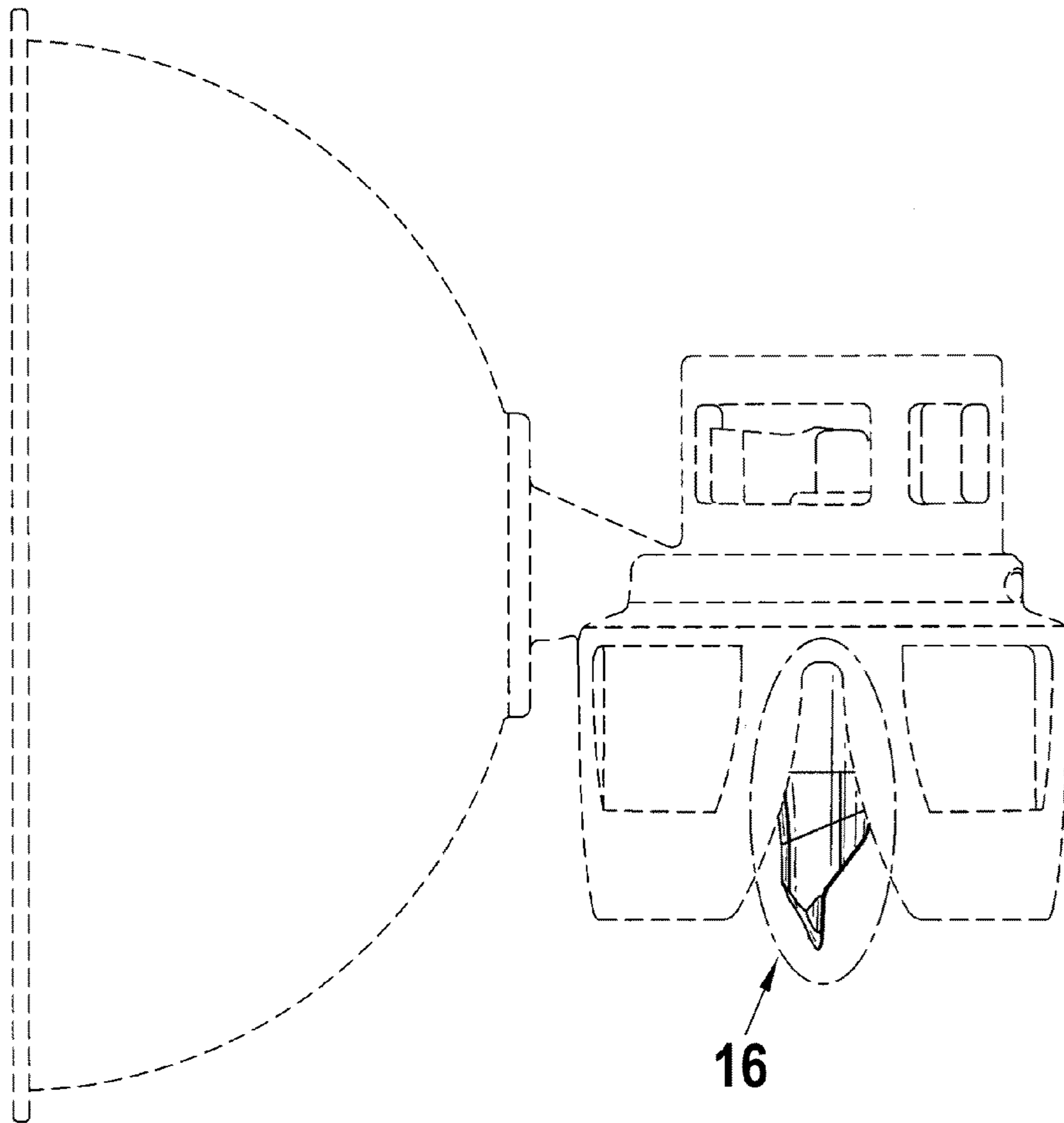


FIG. 15

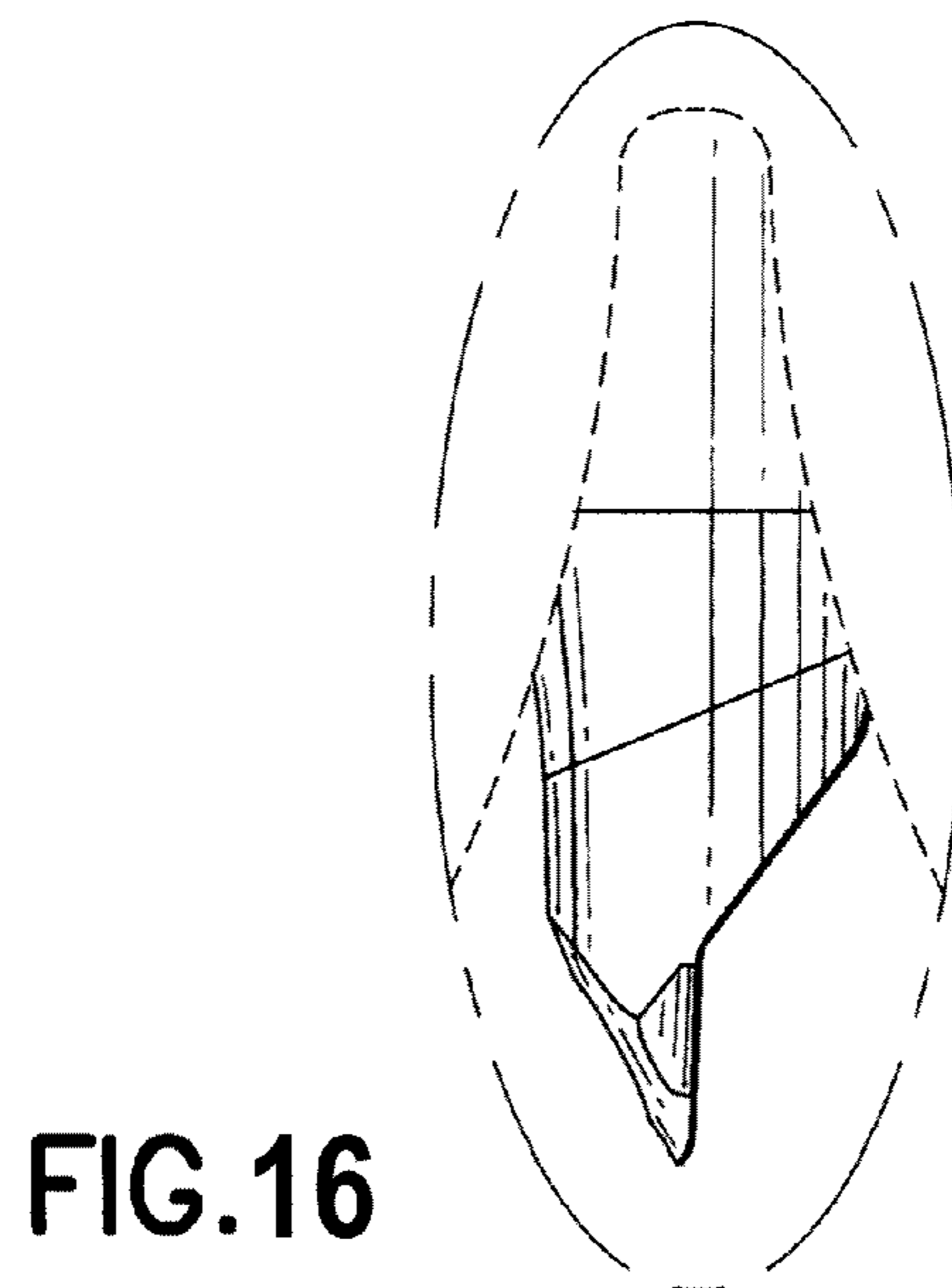
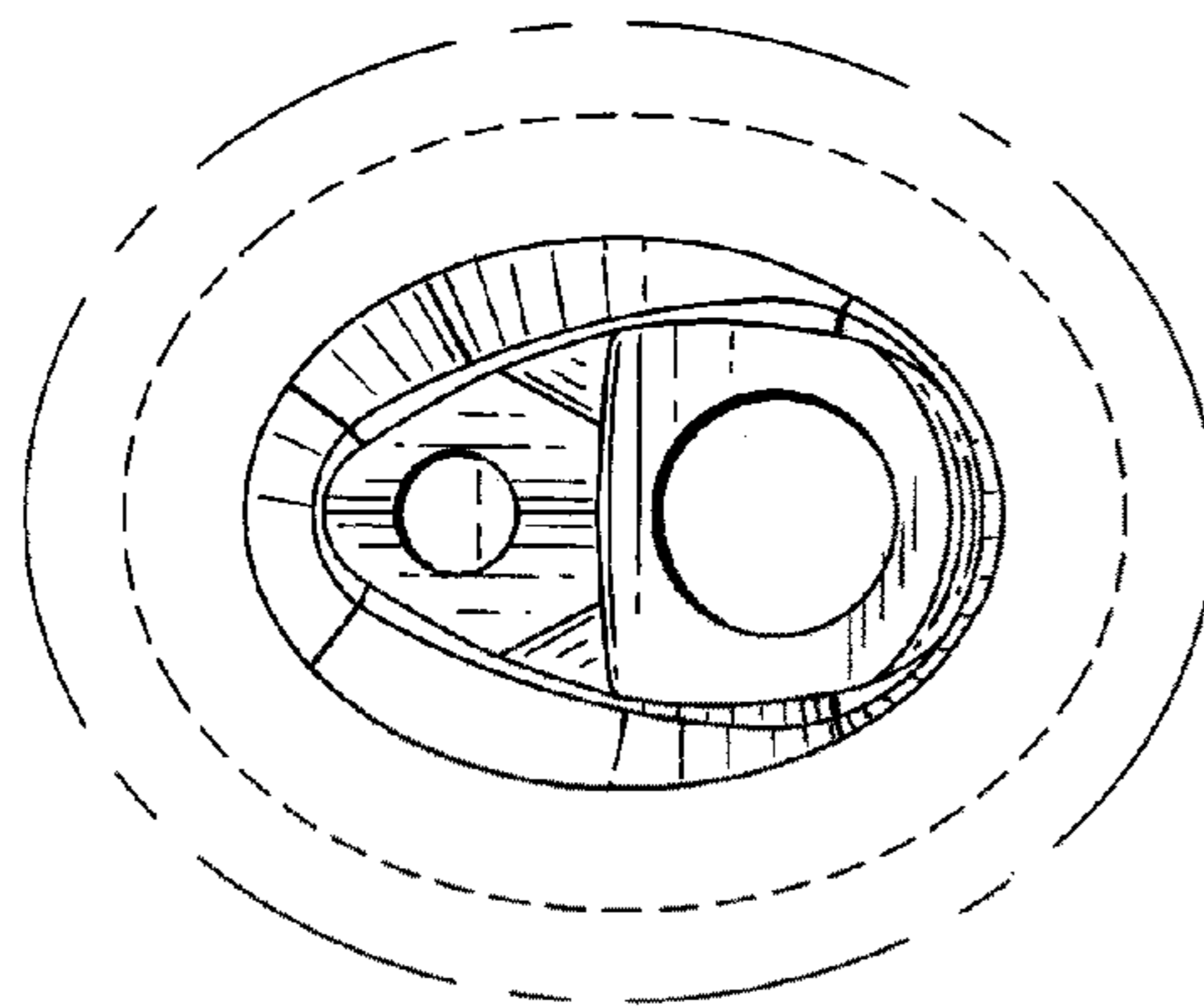
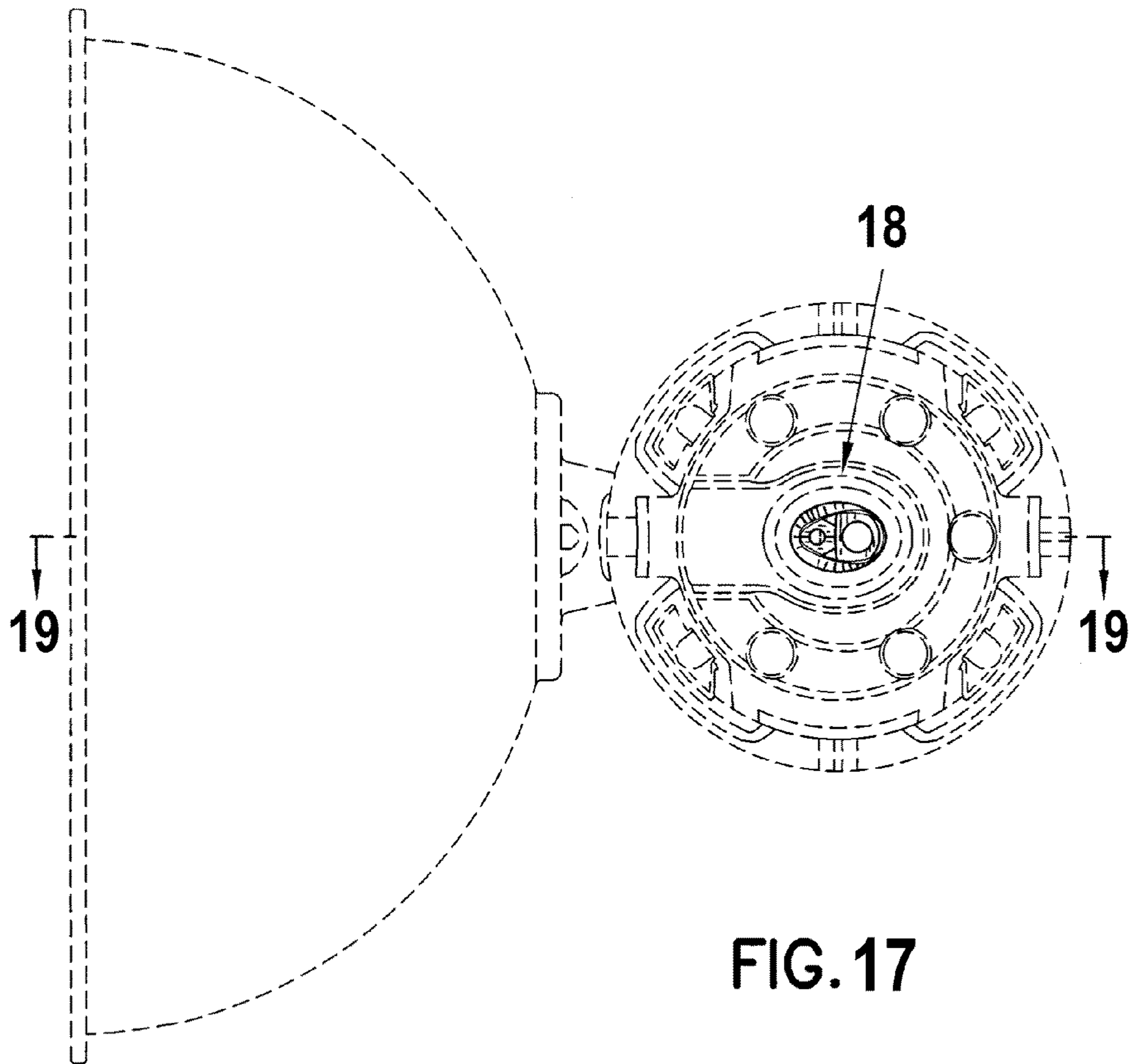


FIG. 16



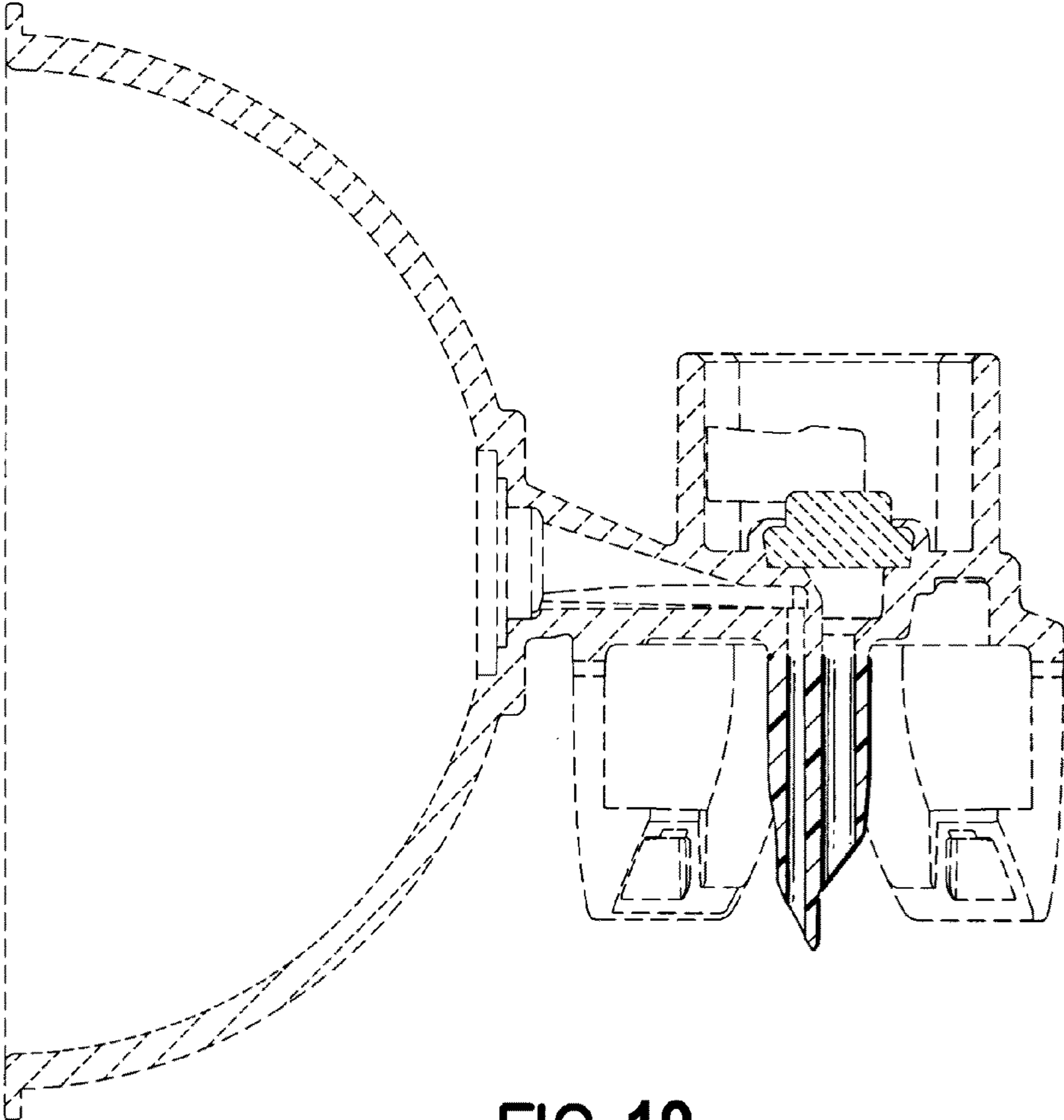


FIG. 19