



US00D969315S

(12) **United States Design Patent** (10) **Patent No.:** **US D969,315 S**
Yamamoto et al. (45) **Date of Patent:** **** Nov. 8, 2022**

(54) **ACTUATOR FOR NEEDLELESS INJECTOR**

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(73) Assignee: **DAICEL CORPORATION**, Osaka (JP)

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

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(30) **Foreign Application Priority Data**

Jun. 30, 2020 (JP) D2020-013189

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/130**

(58) **Field of Classification Search**

USPC D24/112-114, 108, 130, 127, 133, 186;
606/181, 185; 604/264, 523-528, 272,
604/164.01-164.11, 187, 93.01; 600/101,
600/139, 143; 128/200.24, 207.14,
128/207.15

CPC A61M 25/00; A61M 39/00; A61M 27/00;
A61M 25/0043; A61M 25/0067; A61M
25/0097; A61F 2/958

See application file for complete search history.

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Primary Examiner — David G Muller

(57) **CLAIM**

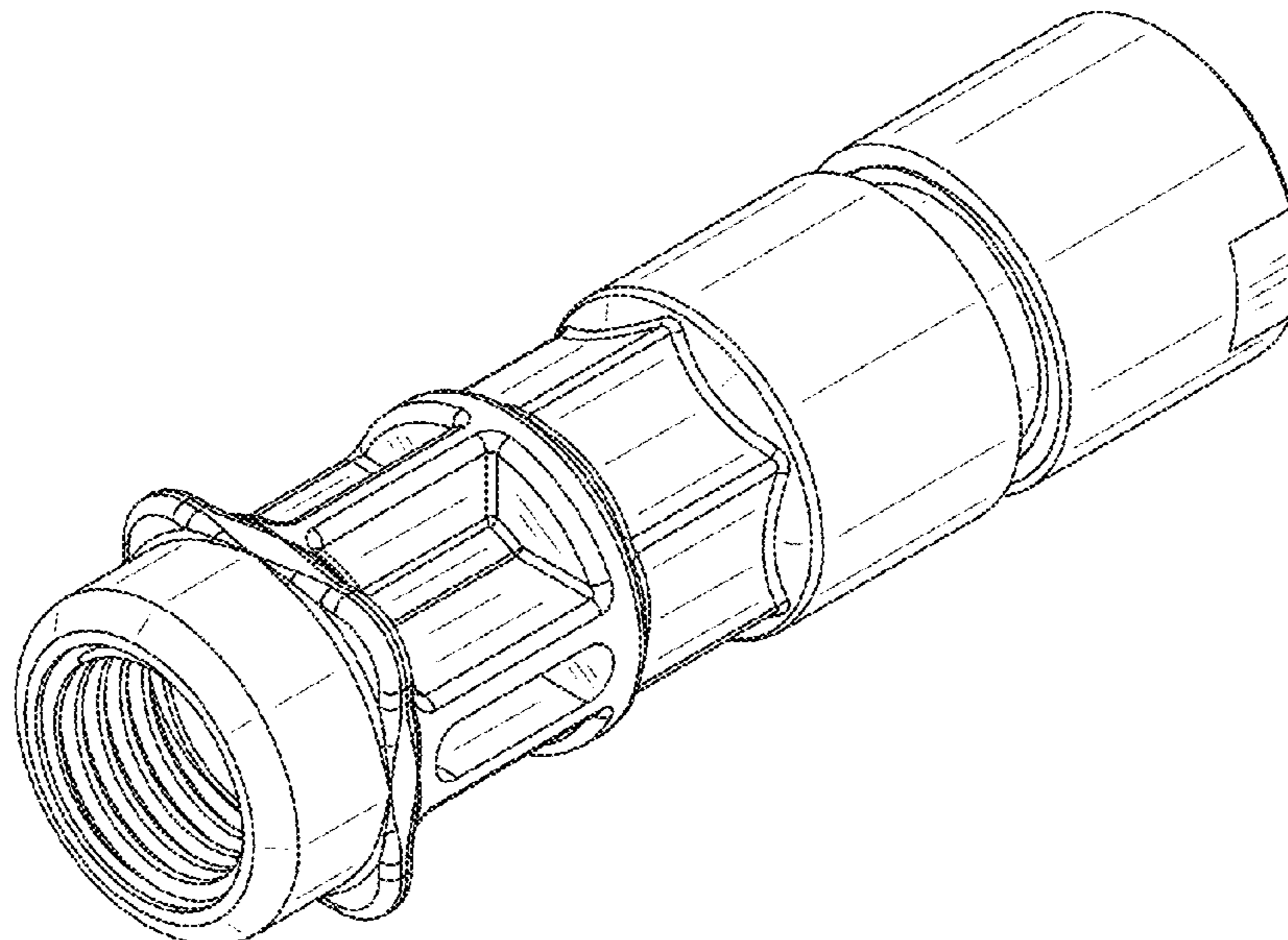
The ornamental design for an actuator for needleless injector, as shown and described.

DESCRIPTION

FIG. 1 is a front bottom left perspective elevational view of an actuator for needleless injector showing our new design; FIG. 2 is a front bottom right perspective view thereof; FIG. 3 is a rear top left perspective view thereof; FIG. 4 is a rear top right perspective view thereof; FIG. 5 is a front elevational view thereof; FIG. 6 is a rear elevational view thereof; FIG. 7 is a right side elevational view thereof; FIG. 8 is a left side elevational view thereof; FIG. 9 is a top plan elevational view thereof; FIG. 10 is a bottom elevational view thereof; FIG. 11 is a cross-sectional view thereof, taken along line 11-11 shown in FIG. 5; and, FIG. 12 is a cross-sectional view thereof, taken along line 12-12 shown in FIG. 5.

The broken lines showing in FIGS. 3, 4 and 9 and 10 depict portions of the actuator for needleless injector that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



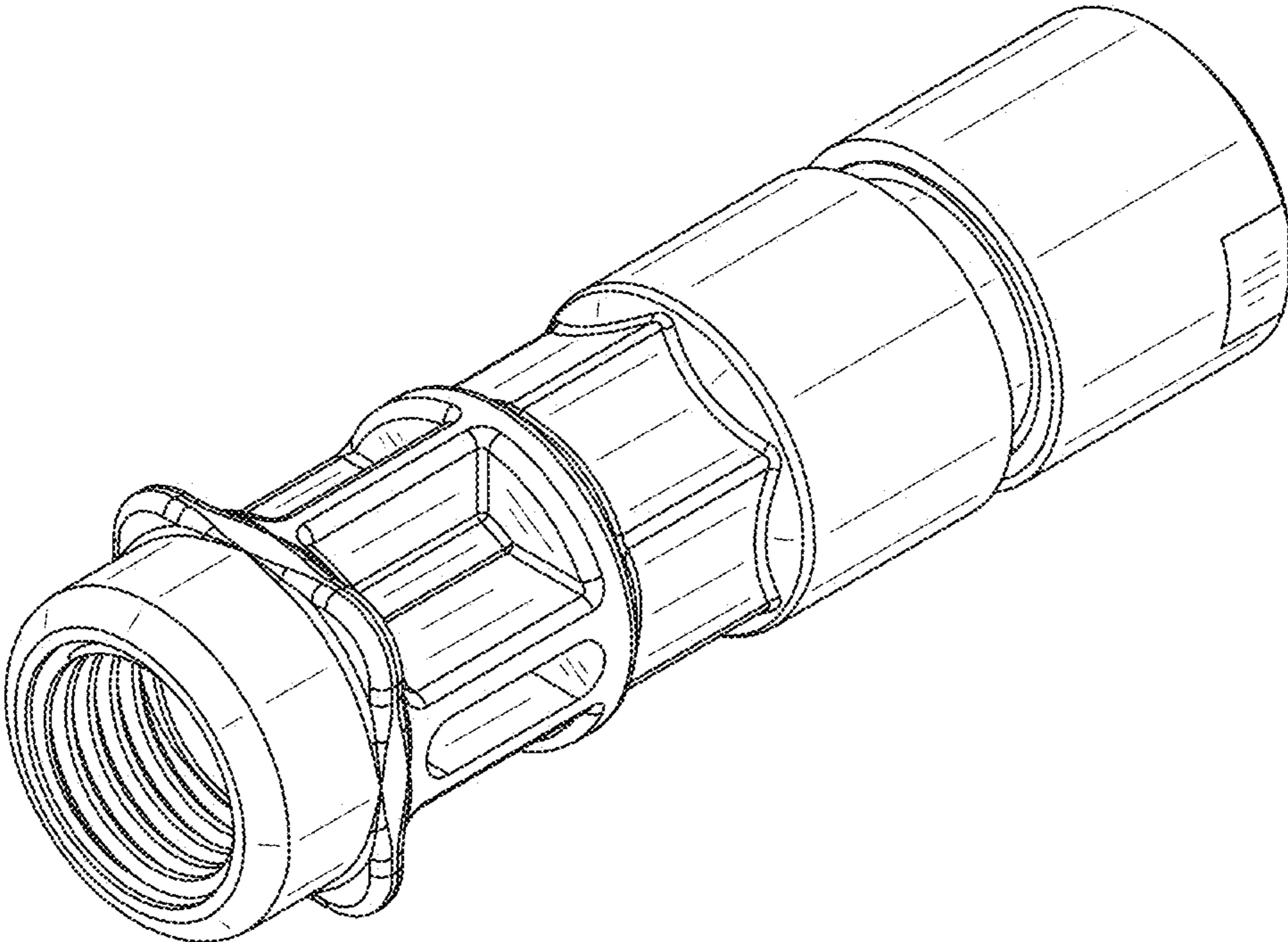


FIG. 1

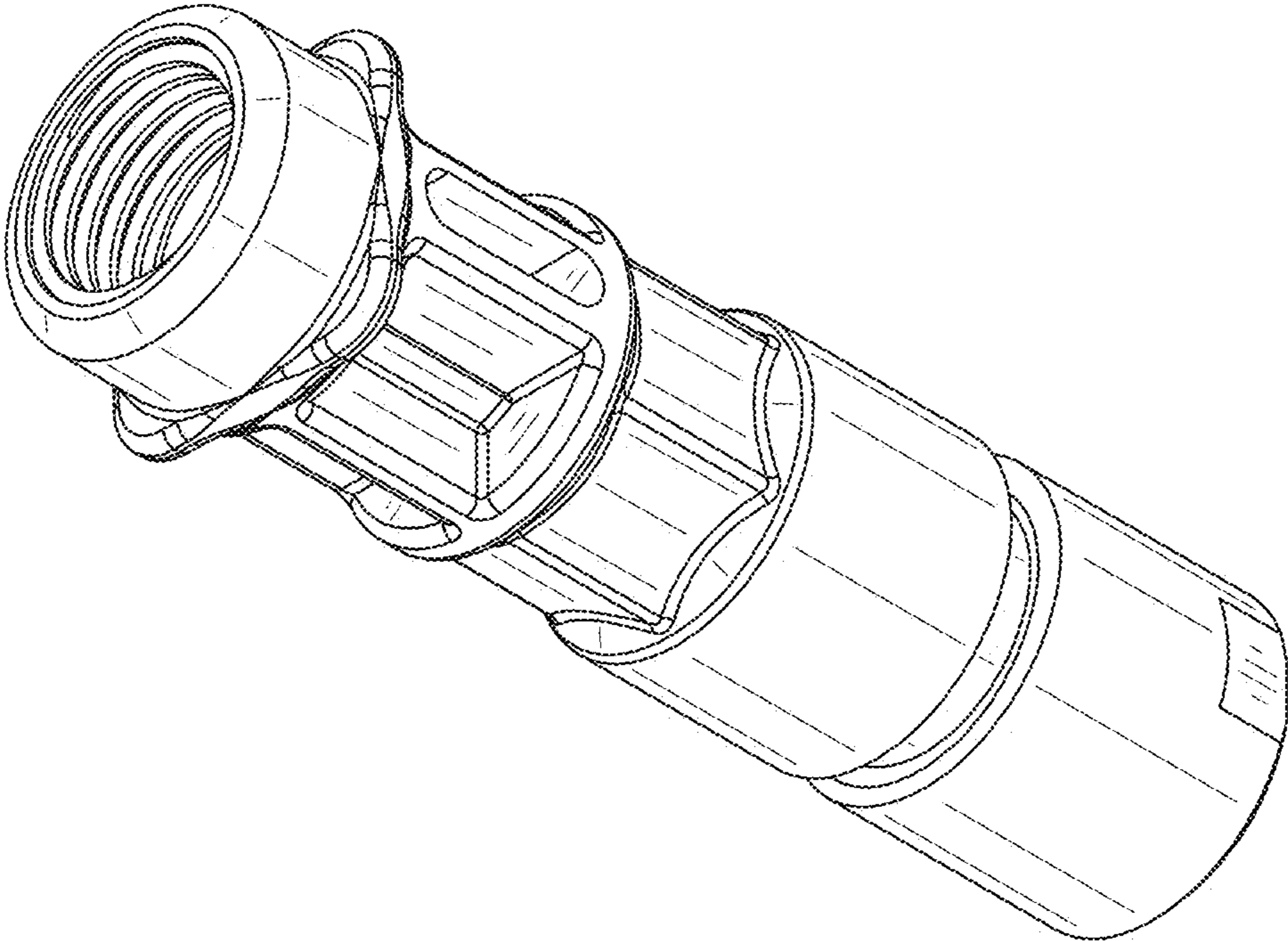


FIG. 2

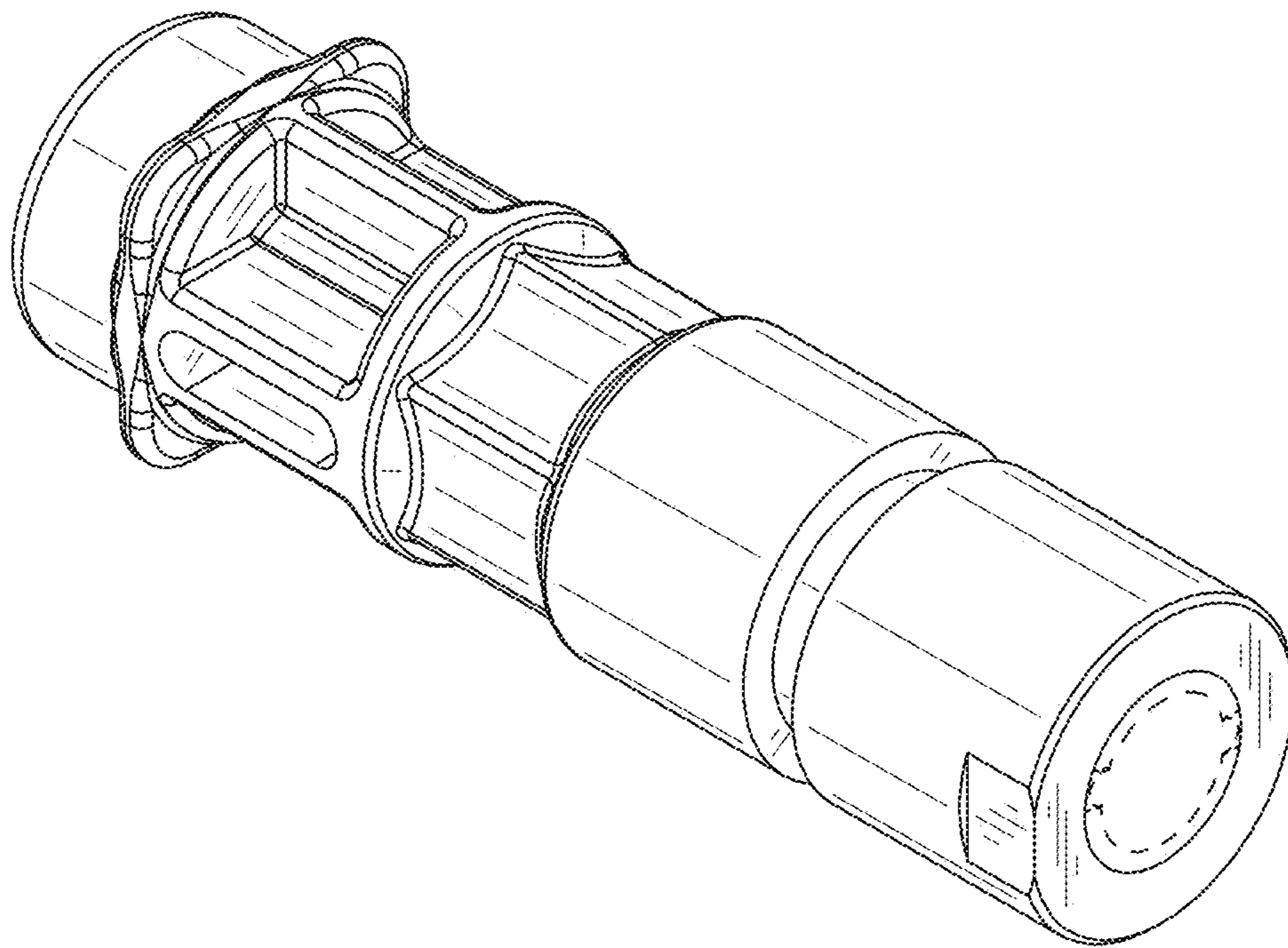


FIG. 3

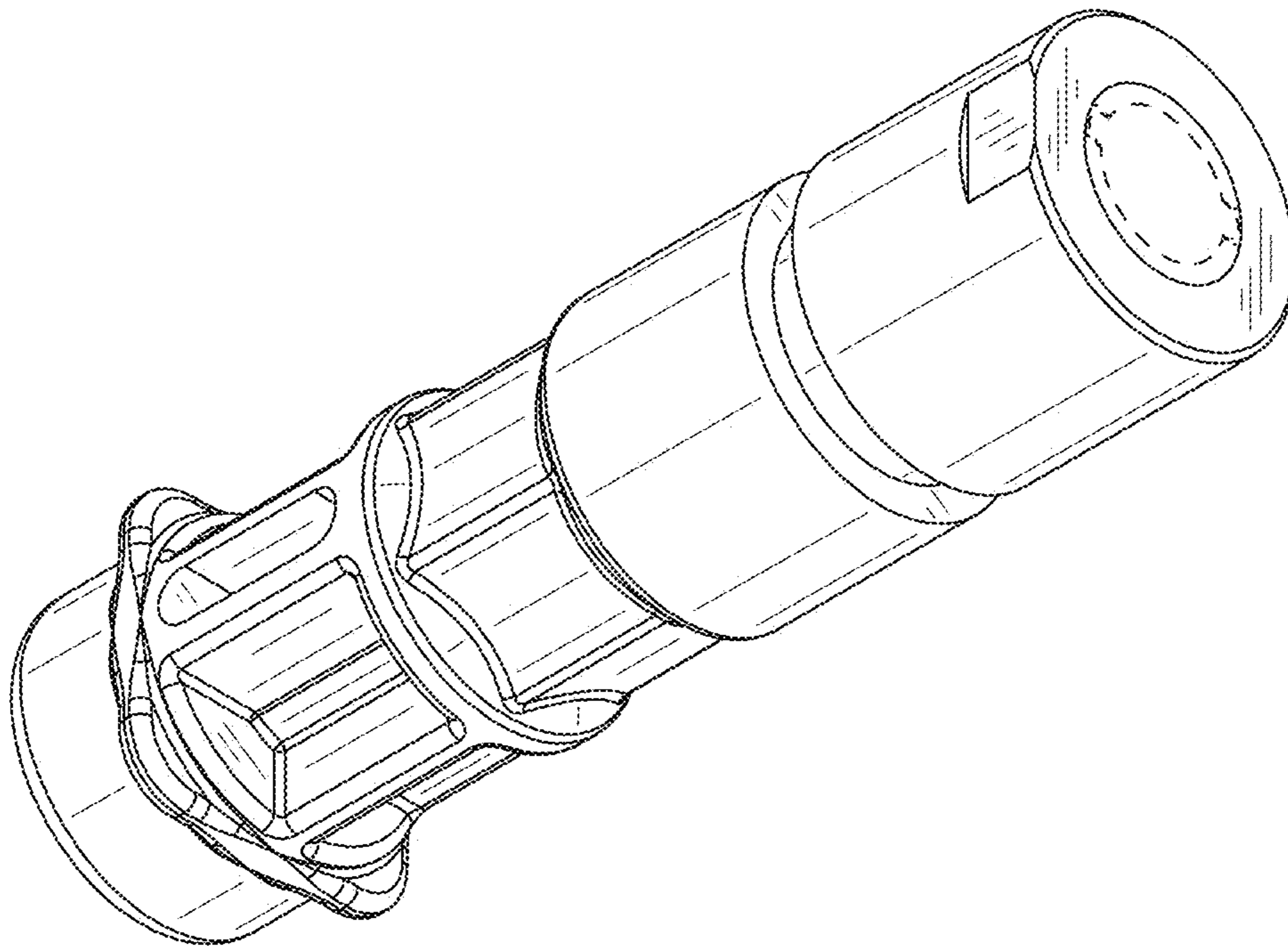


FIG. 4

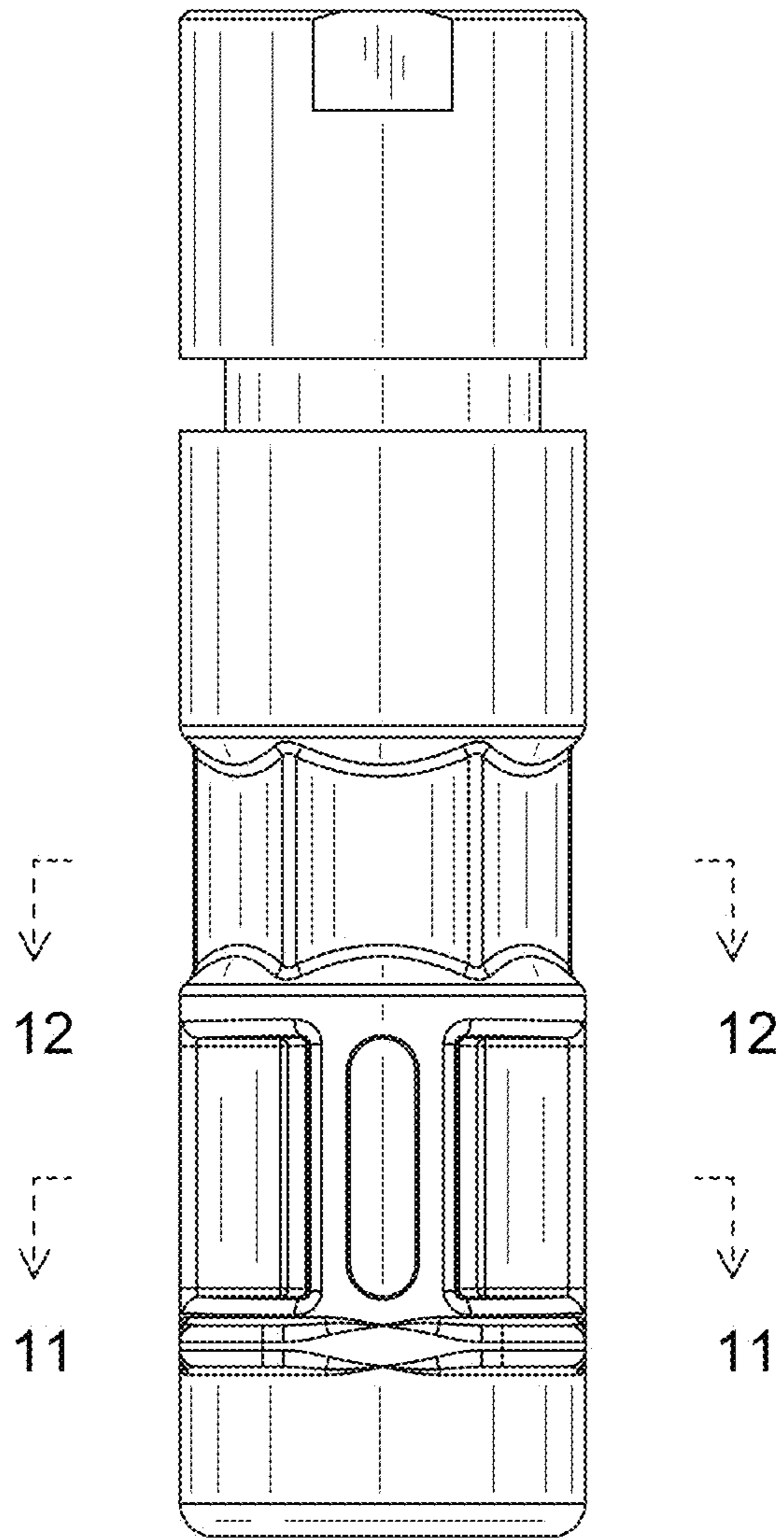


FIG. 5

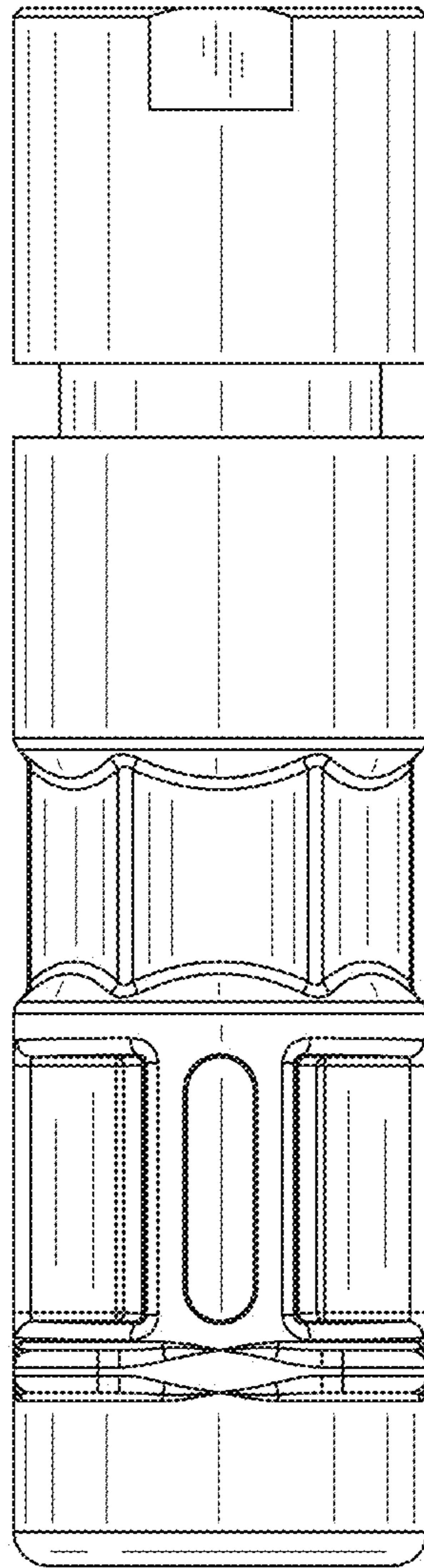


FIG. 6

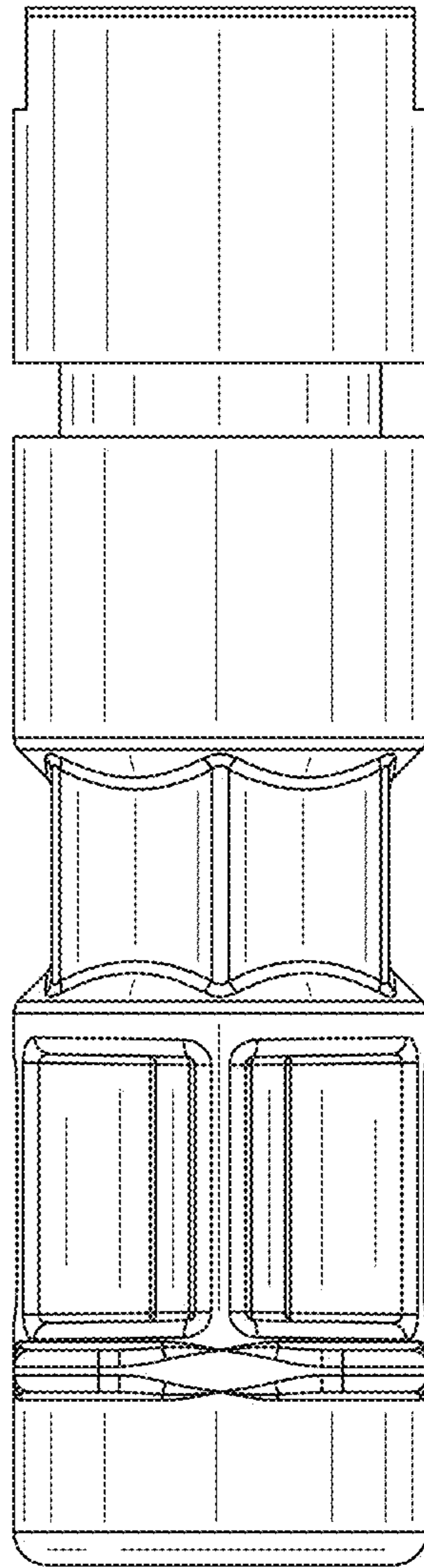


FIG. 7

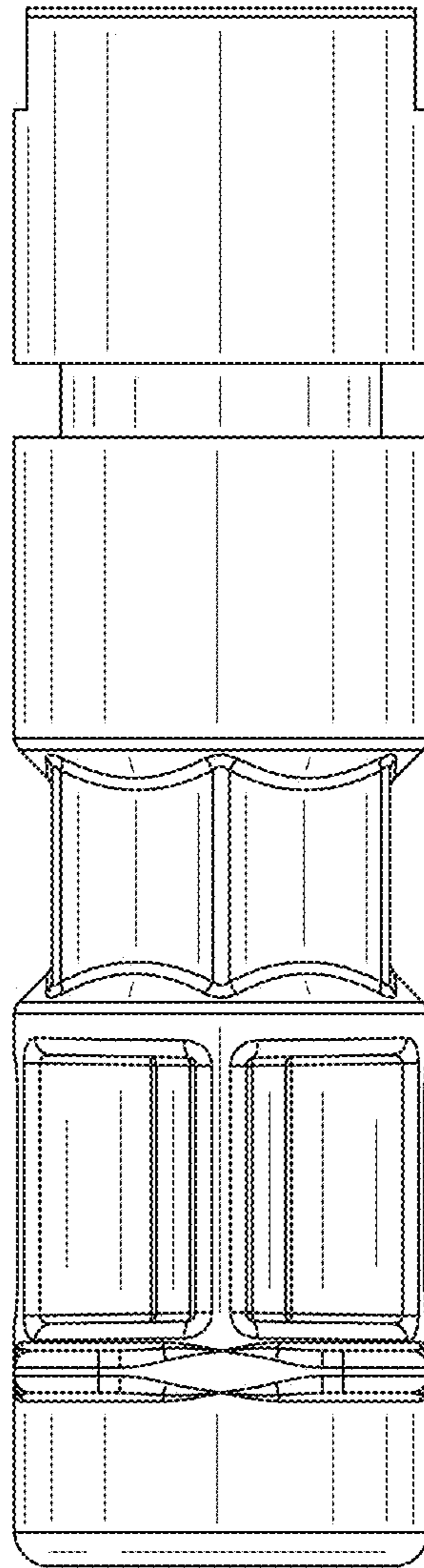


FIG. 8

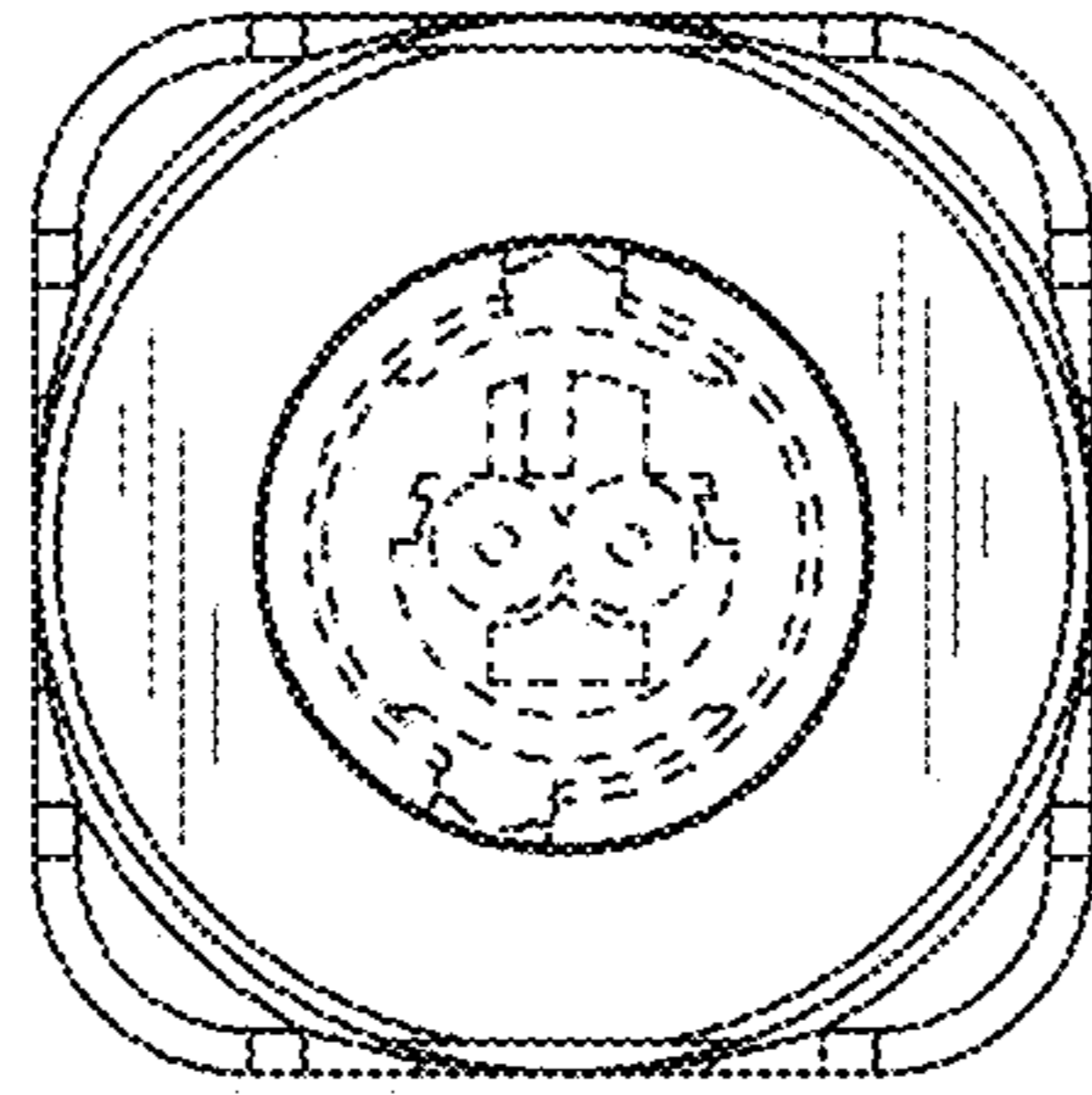


FIG. 9

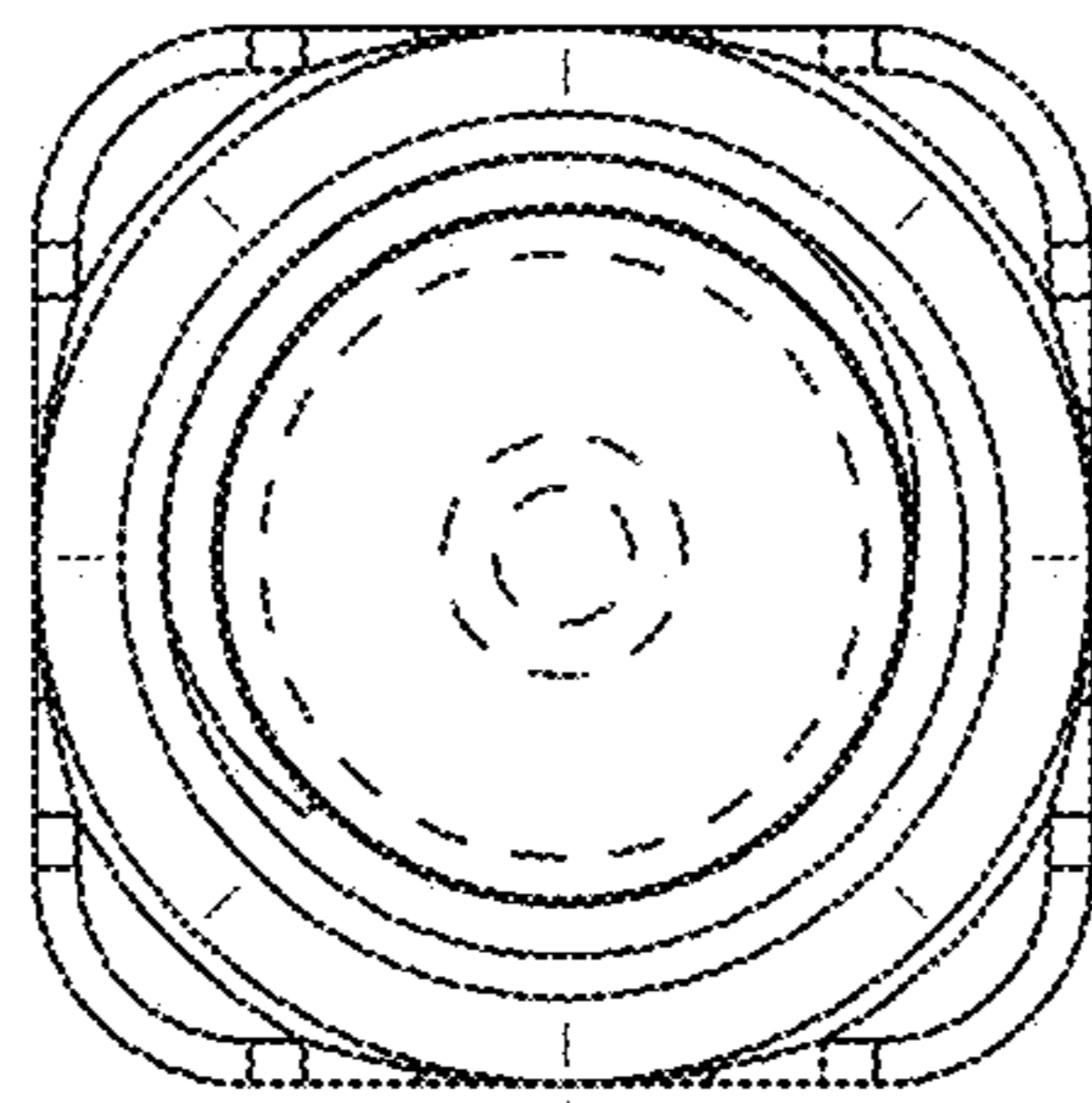


FIG. 10

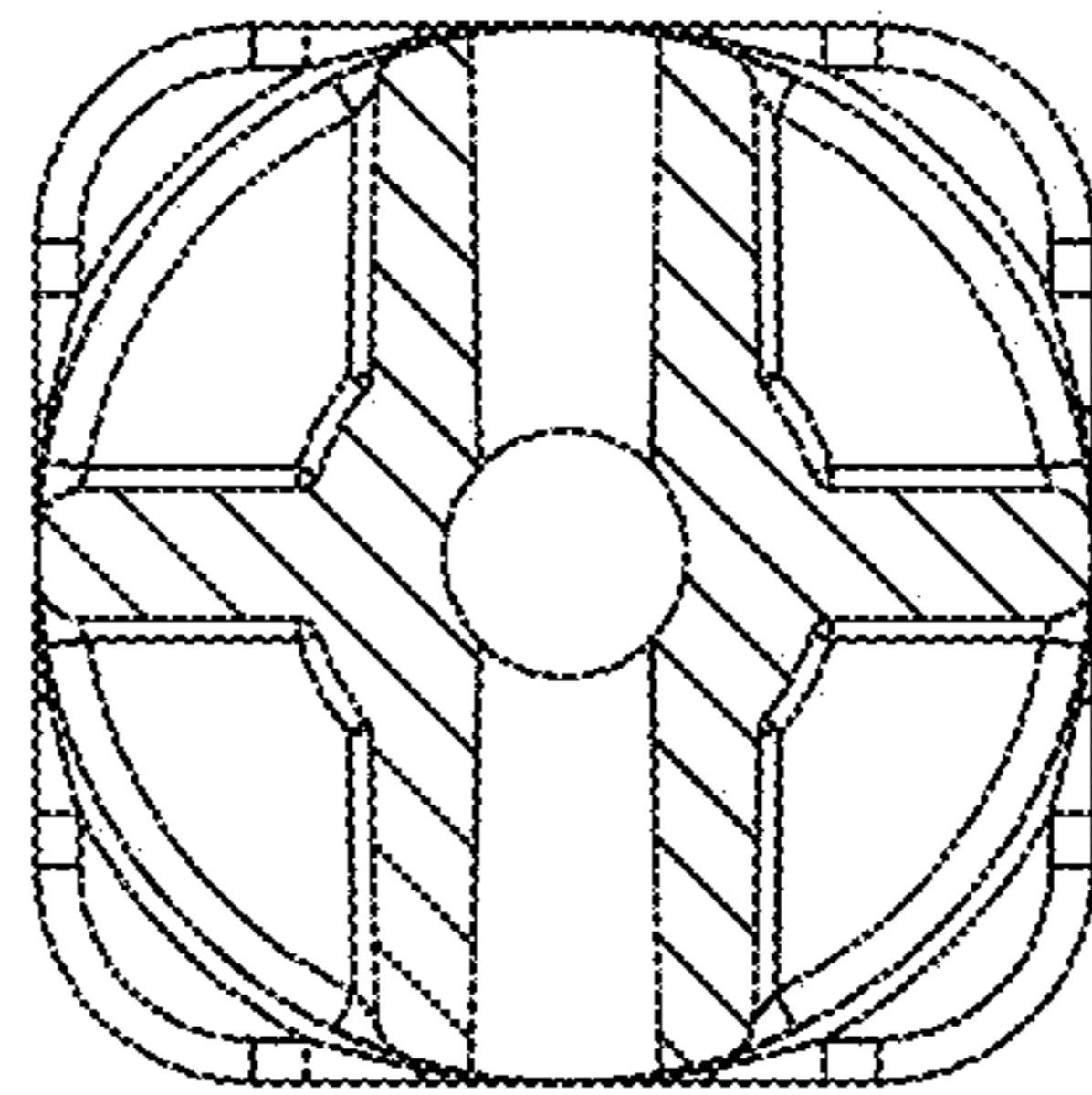


FIG. 11

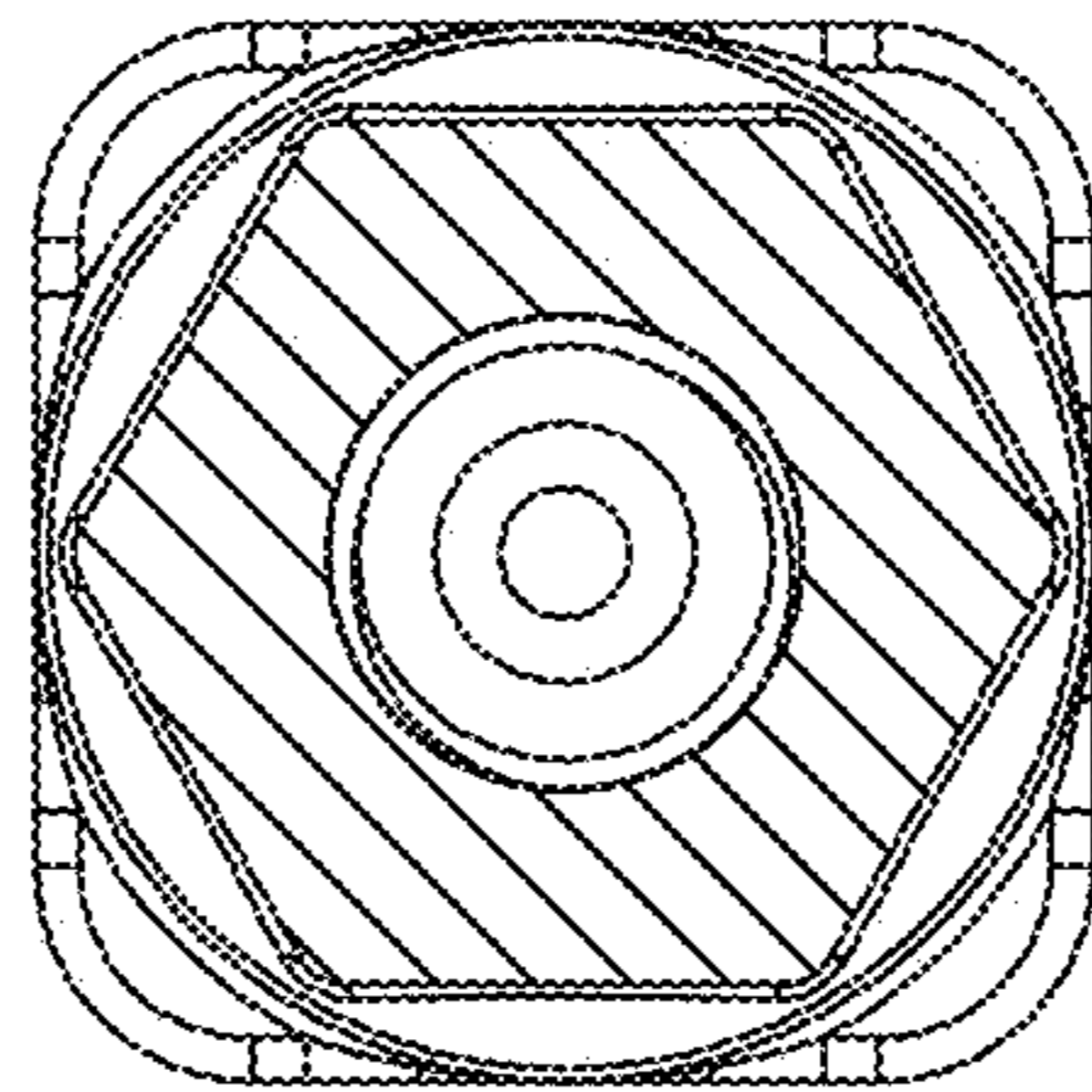


FIG. 12