



US00D416086S

# United States Patent [19]

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Parris et al.

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[54] **BLUNT CANNULA SPIKE ADAPTER**

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[73] Assignee: **B. Braun Medical, Inc.**, Irvine, Calif.

[\*\*] Term: **14 Years**

[21] Appl. No.: **29/077,709**

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[51] **LOC (6) Cl.** ..... **24-02**

[52] **U.S. Cl.** ..... **D24/112; D24/130**

[58] **Field of Search** ..... D24/112, 130, 146, 147; 604/164, 165, 177, 158, 166, 170, 198, 263, 900, 102, 553

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[57] **CLAIM**

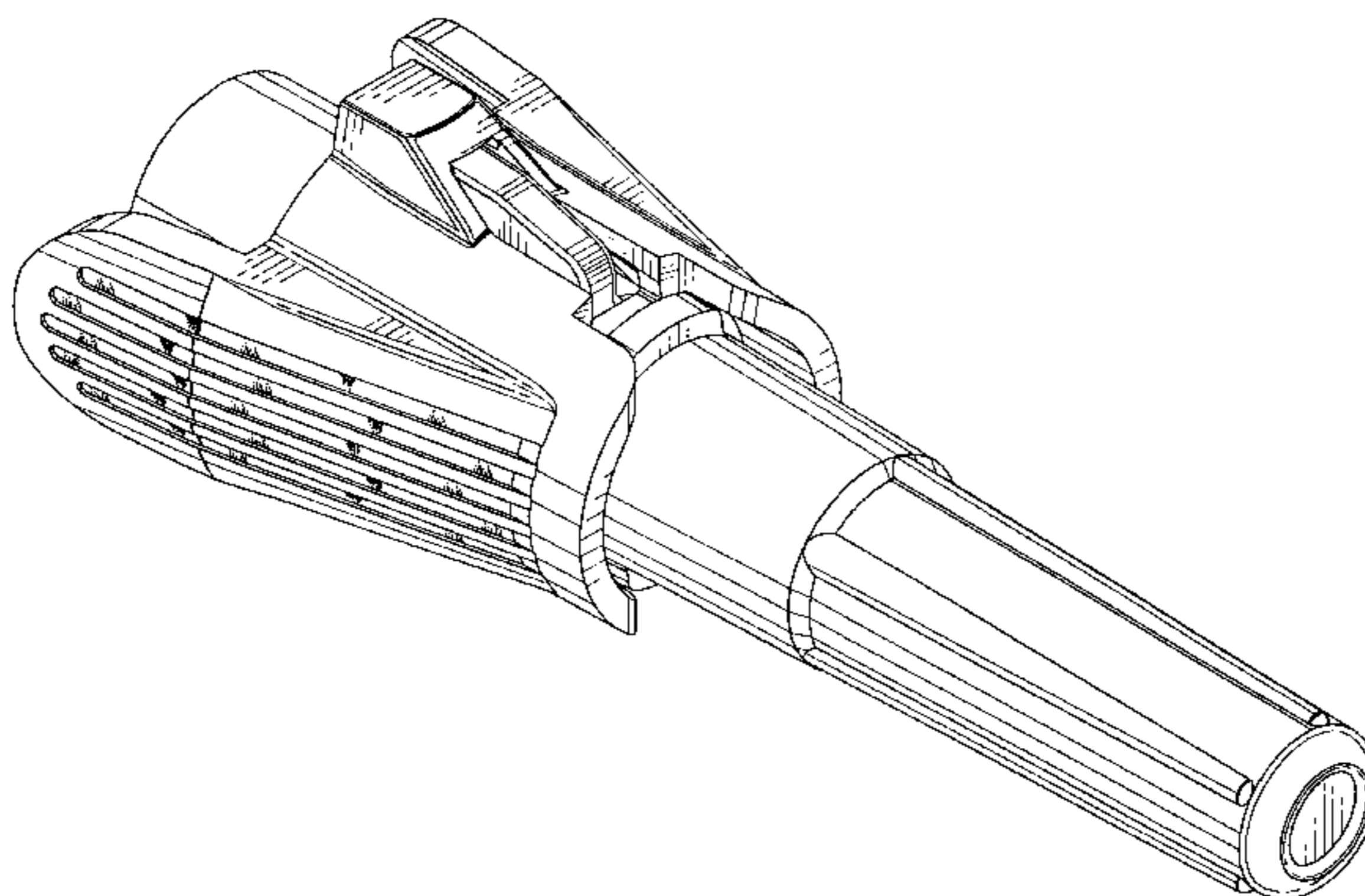
The ornamental design for a blunt cannula spike adapter, as shown and described.

**DESCRIPTION**

FIG. 1 is a side perspective view of a blunt cannula spike adapter showing our new design; FIG. 2 is a top plan view thereof, the bottom plan view being identical thereto;

FIG. 3 is a right side elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is a front elevational view thereof; FIG. 7 is a side perspective view of a second embodiment of a blunt cannula spike adapter showing our new design; FIG. 8 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 9 is a right side elevational view thereof; FIG. 10 is a left side elevational view thereof; FIG. 11 is a rear elevational view thereof; FIG. 12 is a front elevational view thereof; FIG. 13 is a side perspective view of the blunt cannula spike adapter as seen in FIG. 1, with the spike sheath removed; FIG. 14 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 15 is a right side elevational view thereof; FIG. 16 is a left side elevational view thereof; FIG. 17 is a rear elevational view thereof; FIG. 18 is a front elevational view thereof; FIG. 19 is a side perspective view of the second embodiment as seen in FIG. 7, with the spike sheath removed; FIG. 20 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 21 is a right side elevational view thereof; FIG. 22 is a left side elevational view thereof; FIG. 23 is a rear elevational view thereof; FIG. 24 is a front elevational view thereof; FIG. 25 is a side perspective view of the blunt cannula spike adapter as seen in FIG. 1, with the spike sheath and blunt cannula removed; FIG. 26 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 27 is a right side elevational view thereof; FIG. 28 is a left side elevational view thereof; FIG. 29 is a rear elevational view thereof; FIG. 30 is a front elevational view thereof; FIG. 31 is a side perspective view of the second embodiment as seen in FIG. 7, with the spike sheath and blunt cannula removed; FIG. 32 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 33 is a right side elevational view thereof; FIG. 34 is a left side elevational view thereof; FIG. 35 is a rear elevational view thereof; and, FIG. 36 is a front elevational view thereof.

**1 Claim, 24 Drawing Sheets**



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FIG. 1

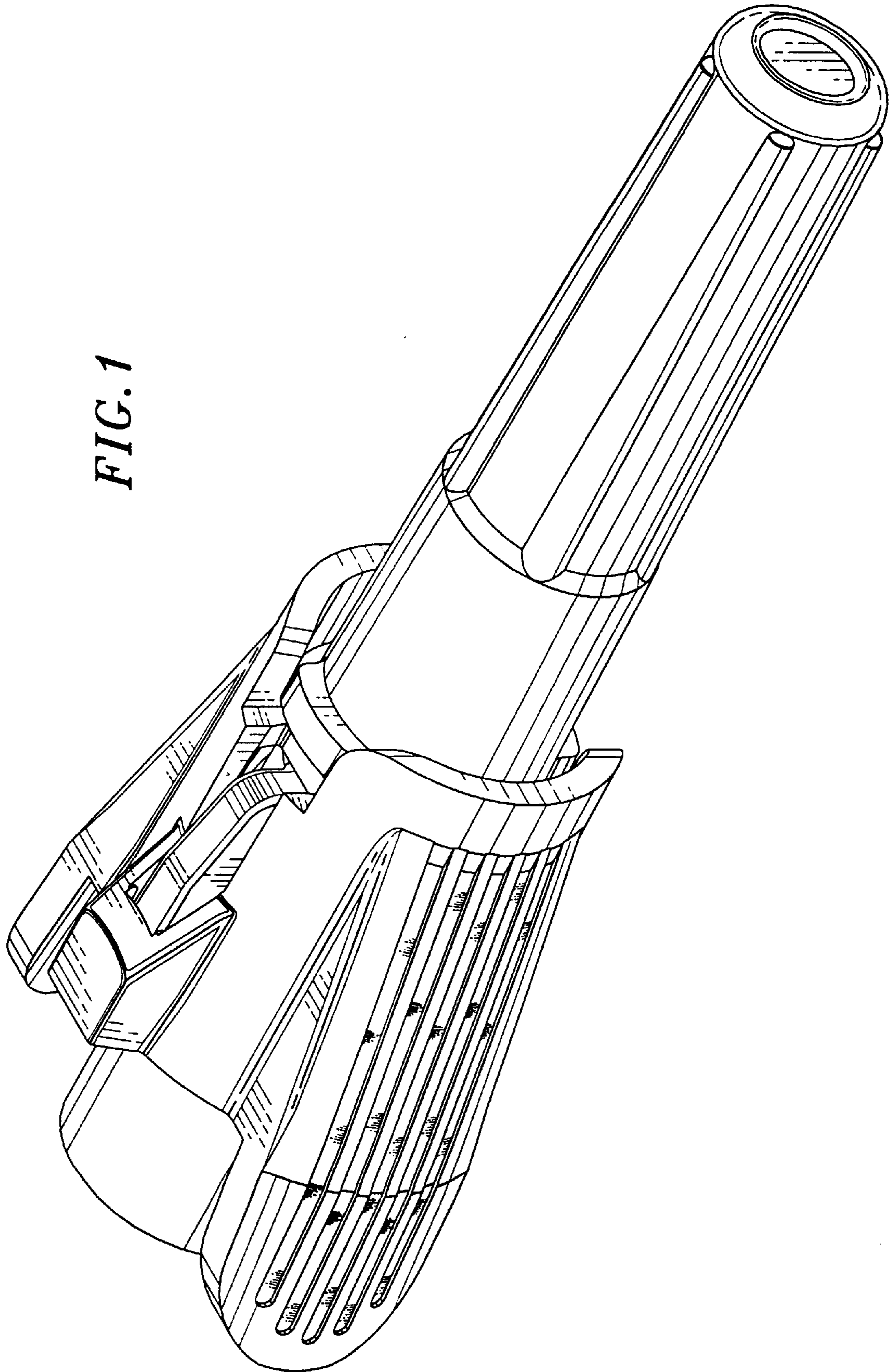


FIG. 2

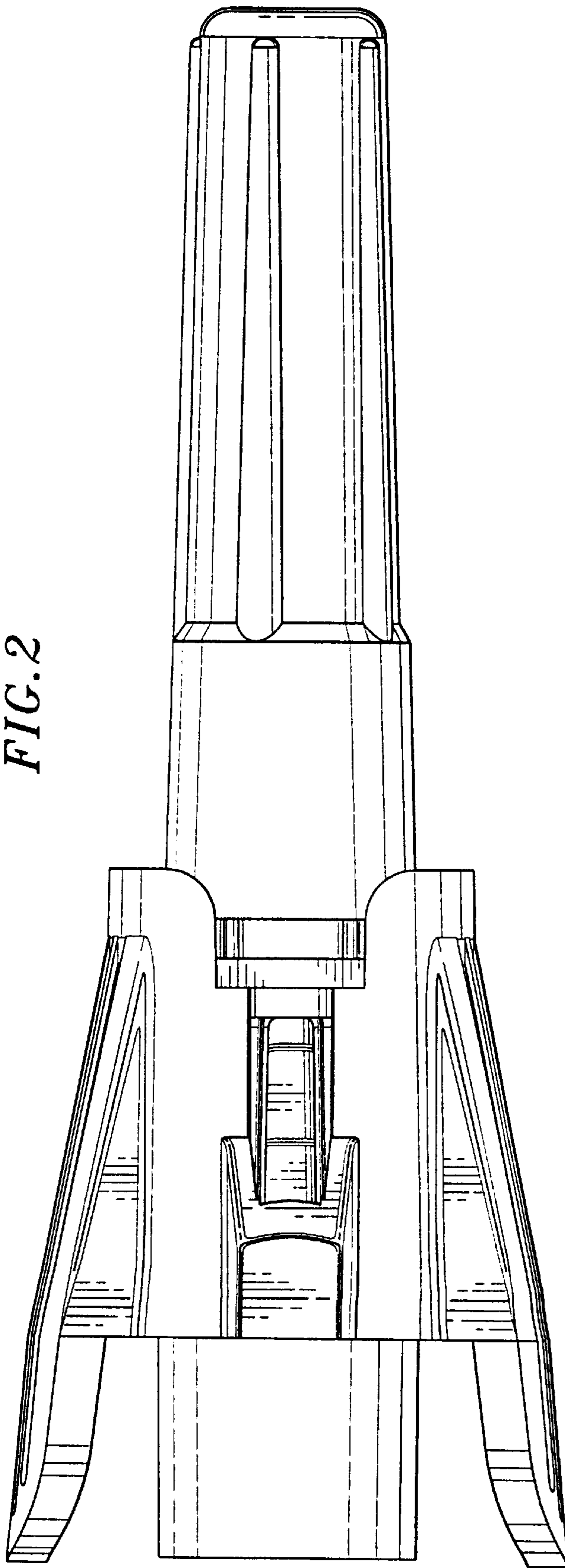


FIG. 3

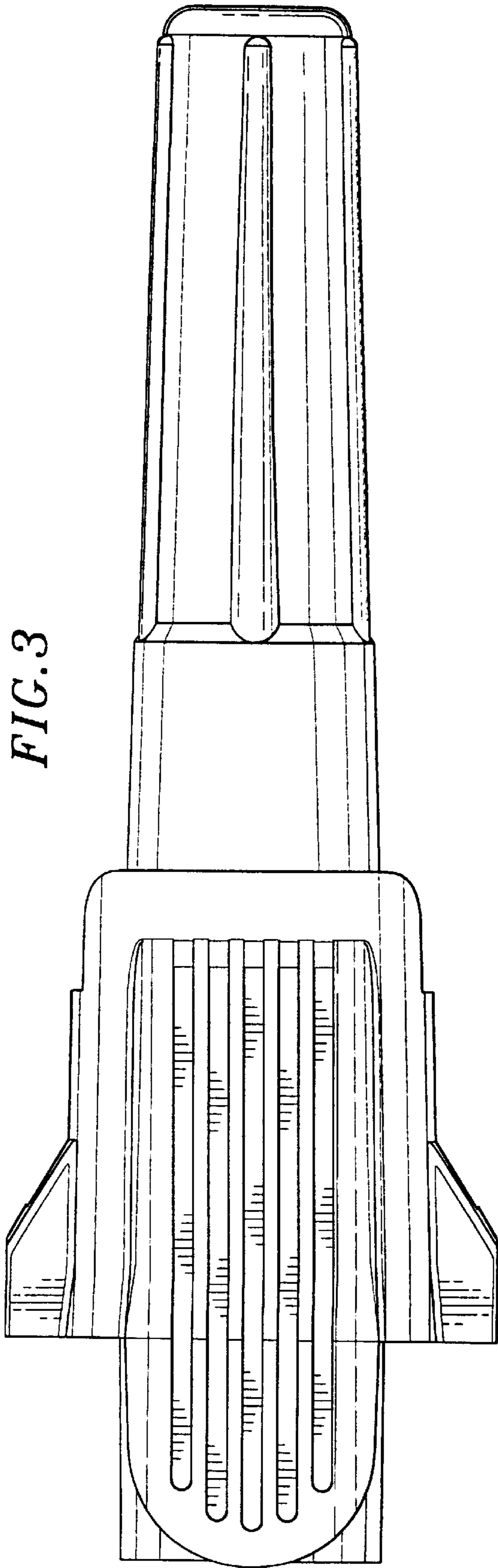
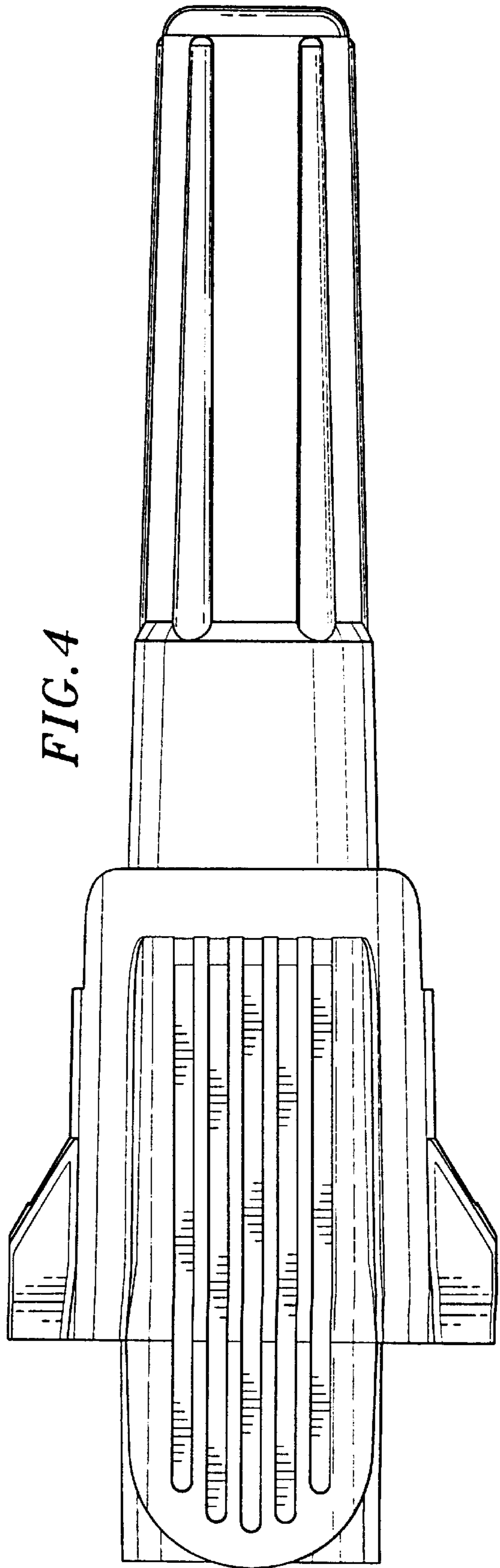
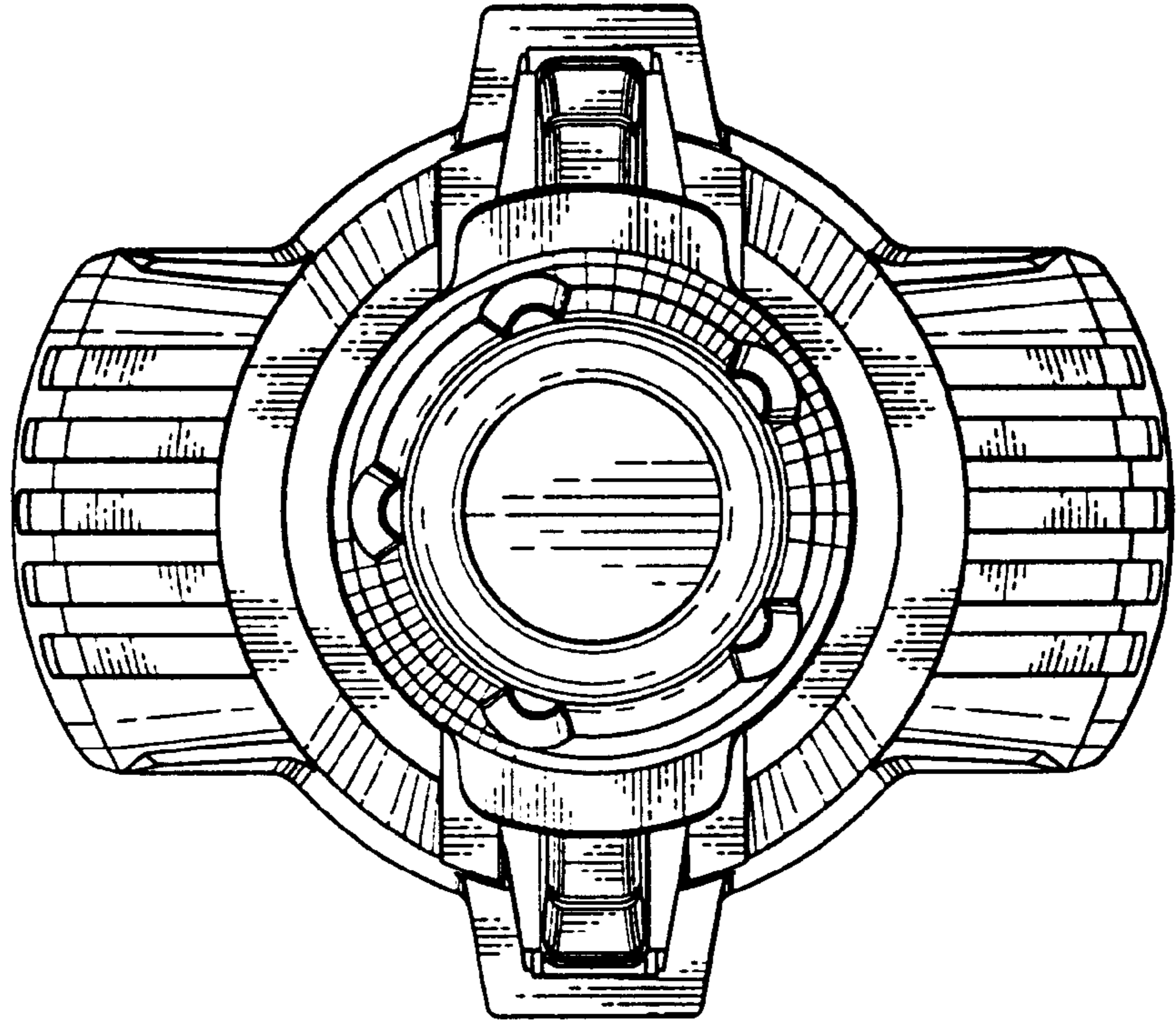


FIG. 4



*FIG. 6*



*FIG. 5*

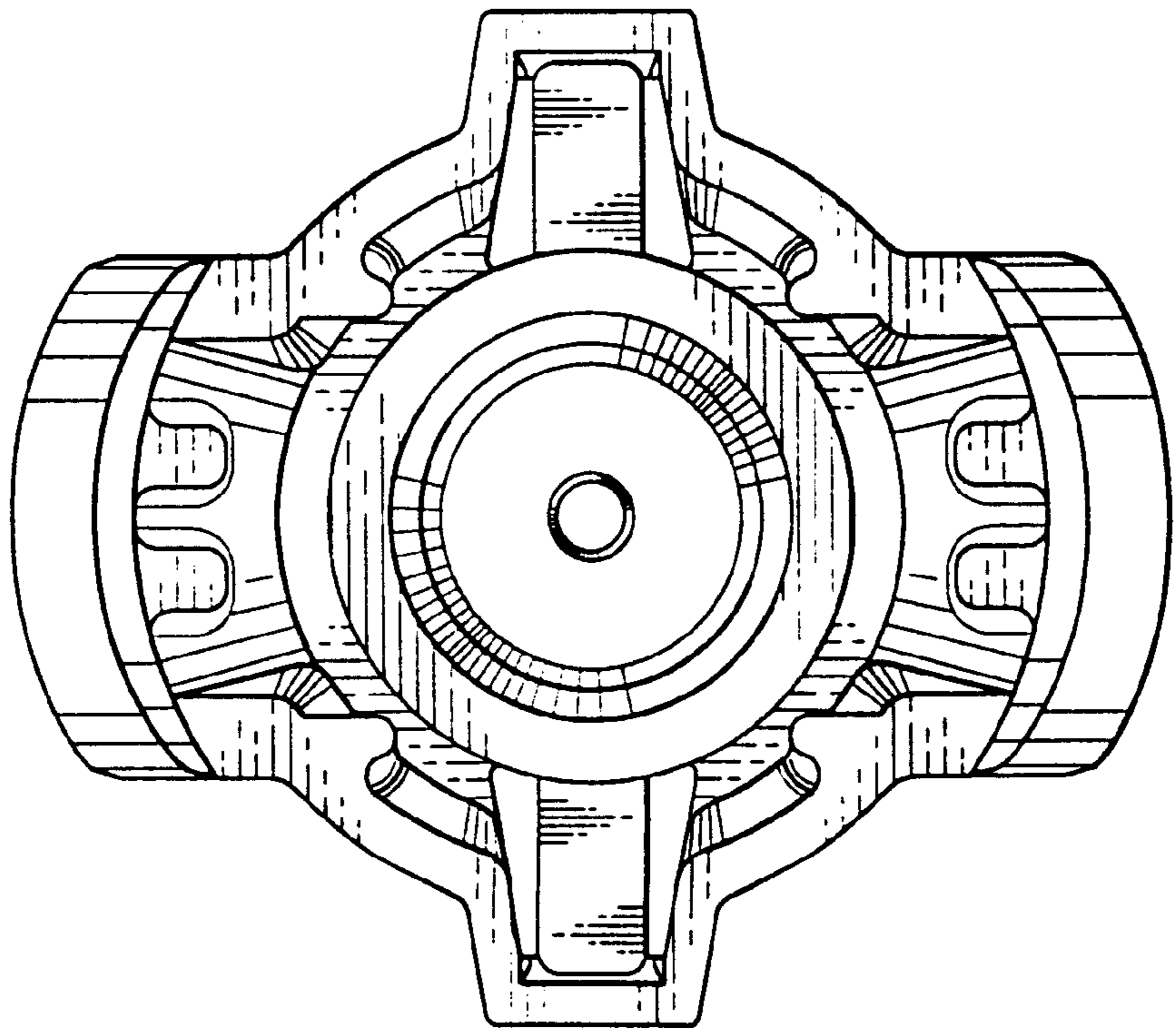
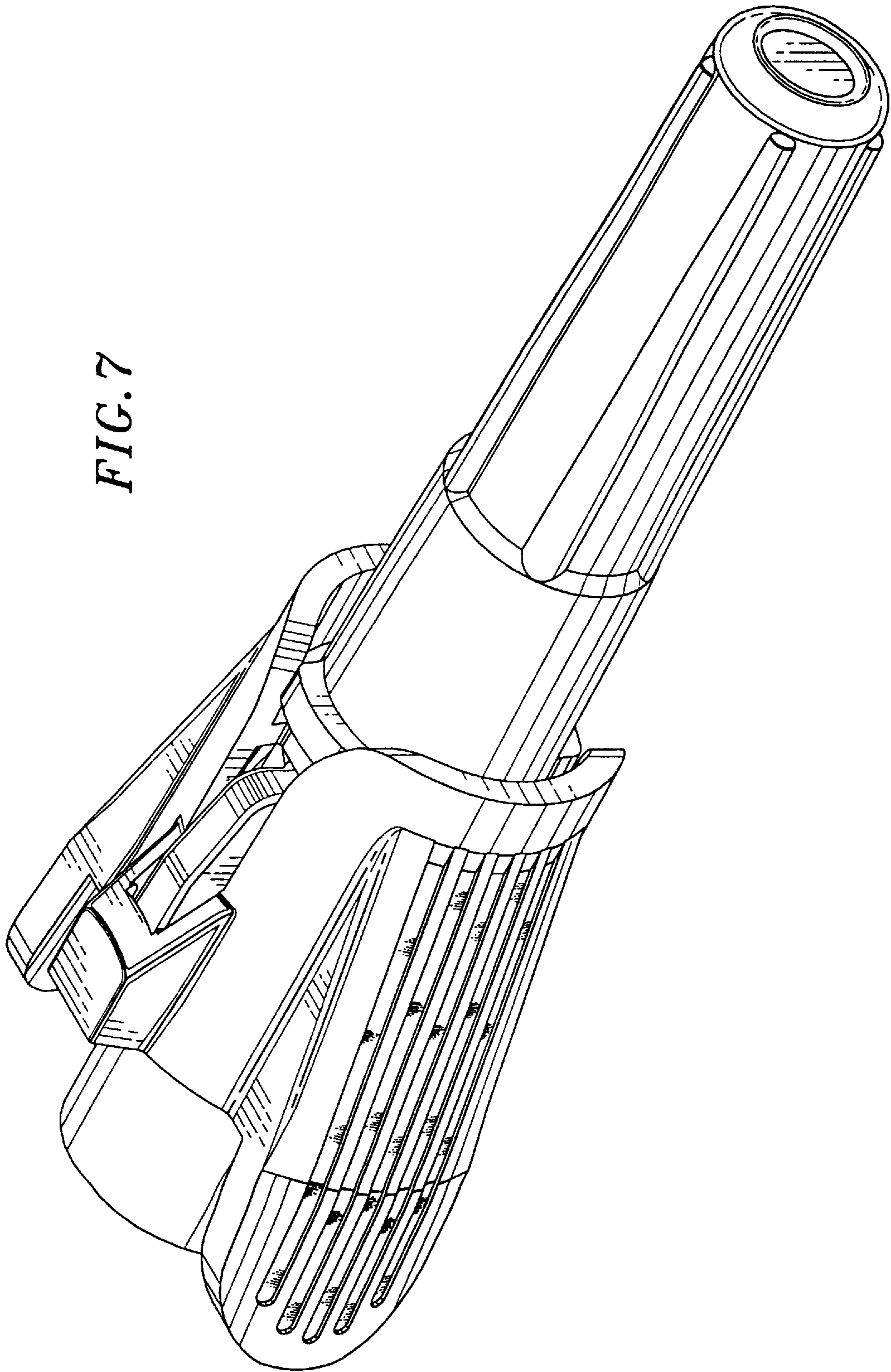


FIG. 7



*FIG. 8*

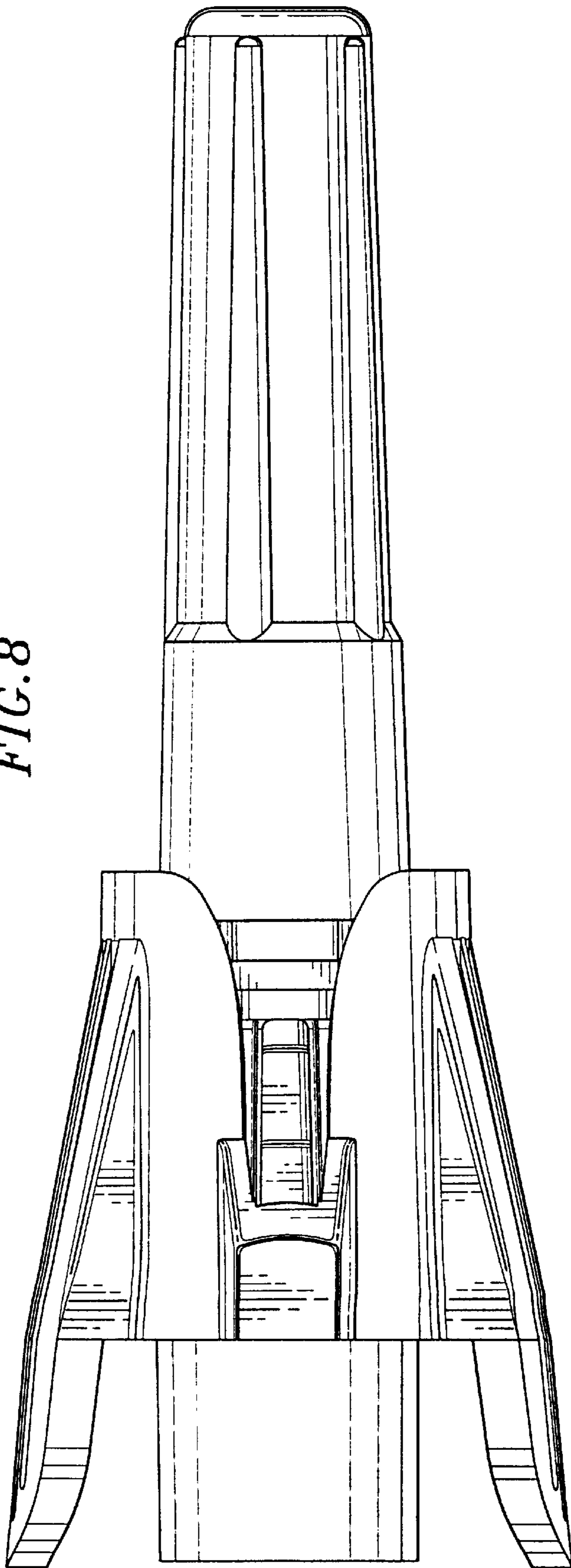




FIG. 9

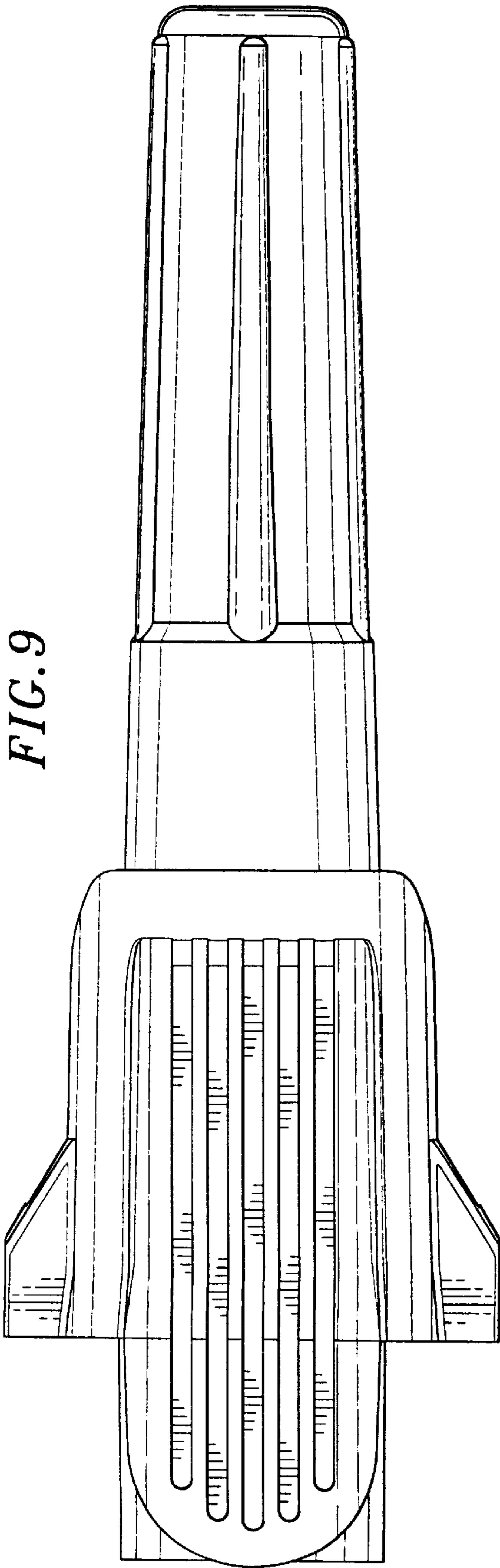
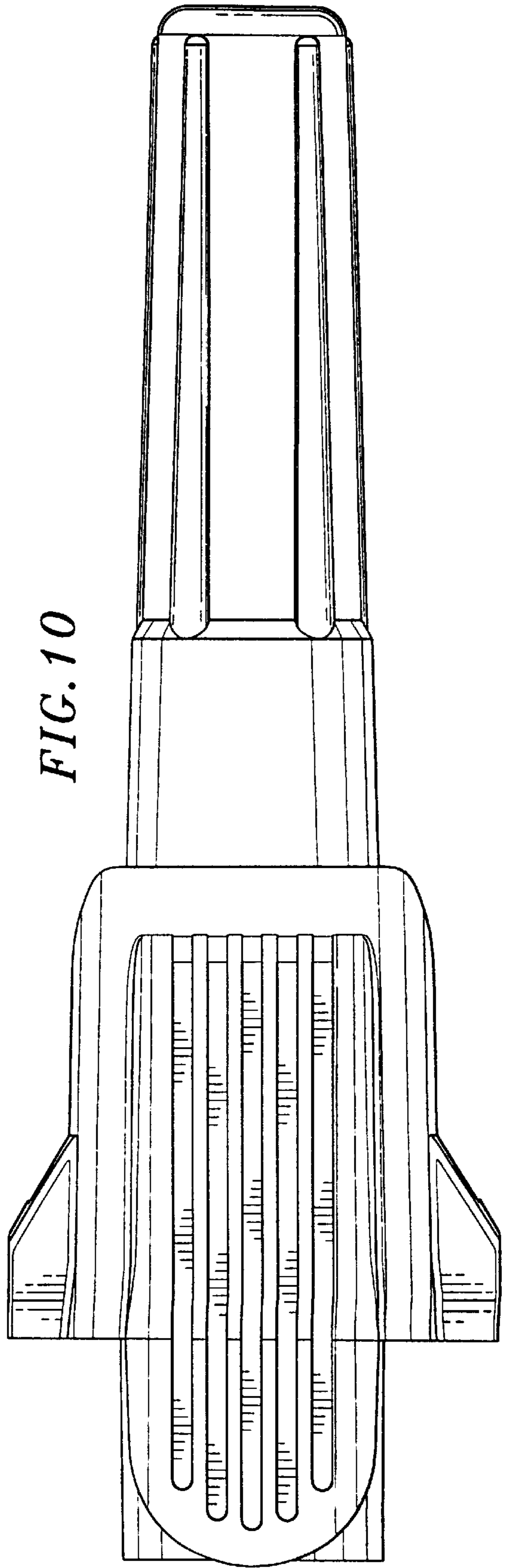
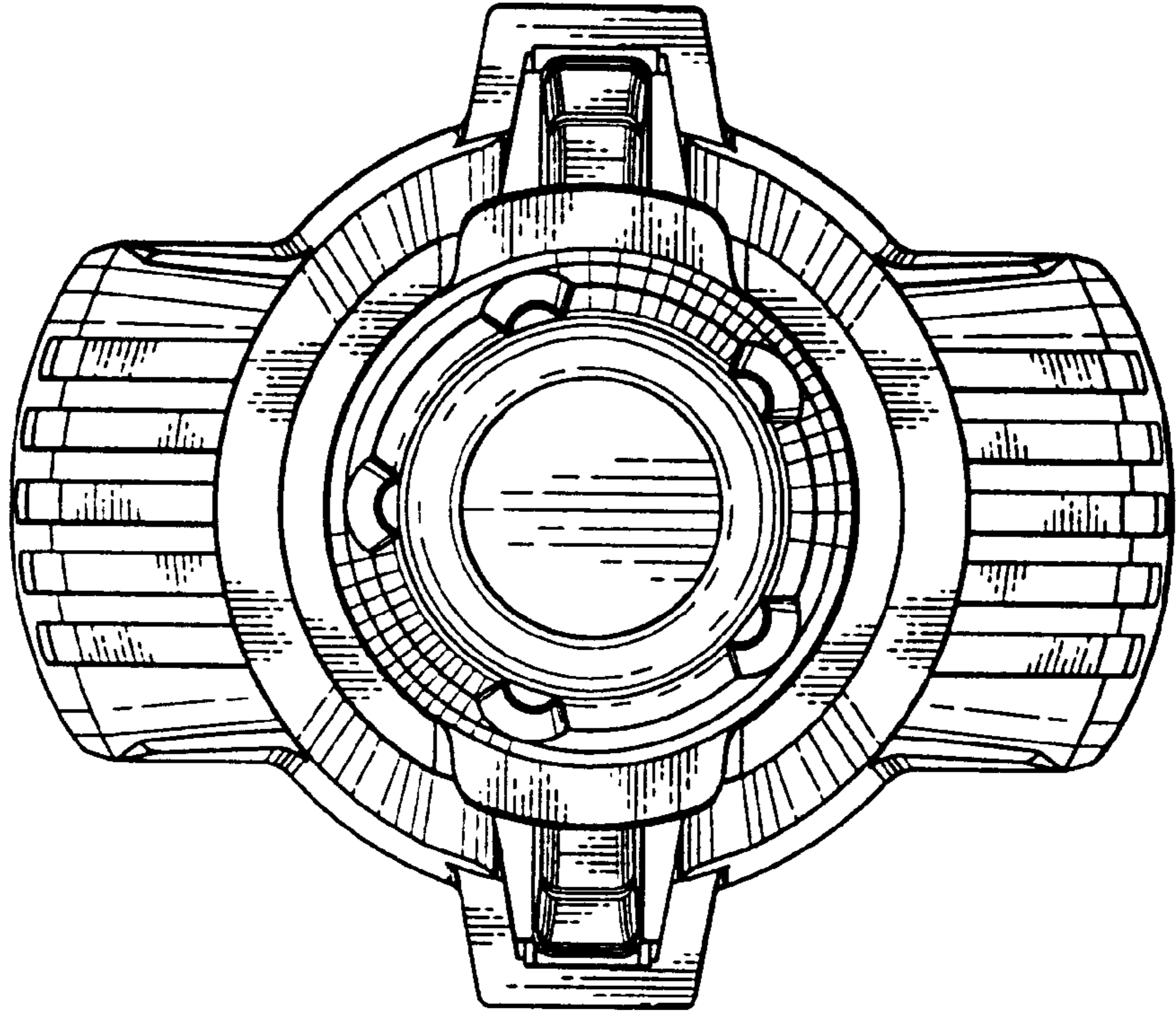


FIG. 10



*FIG. 12*



*FIG. 11*

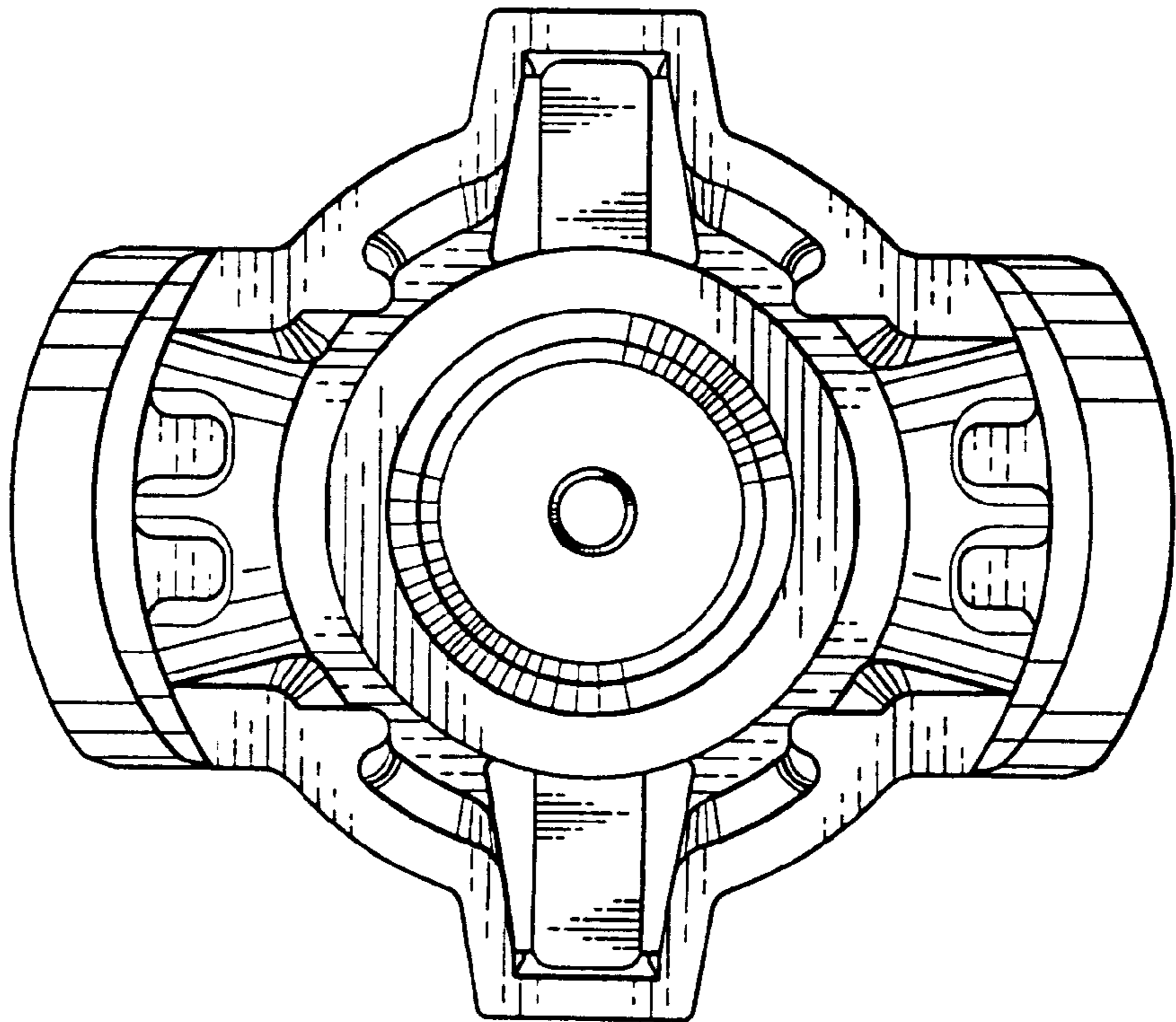
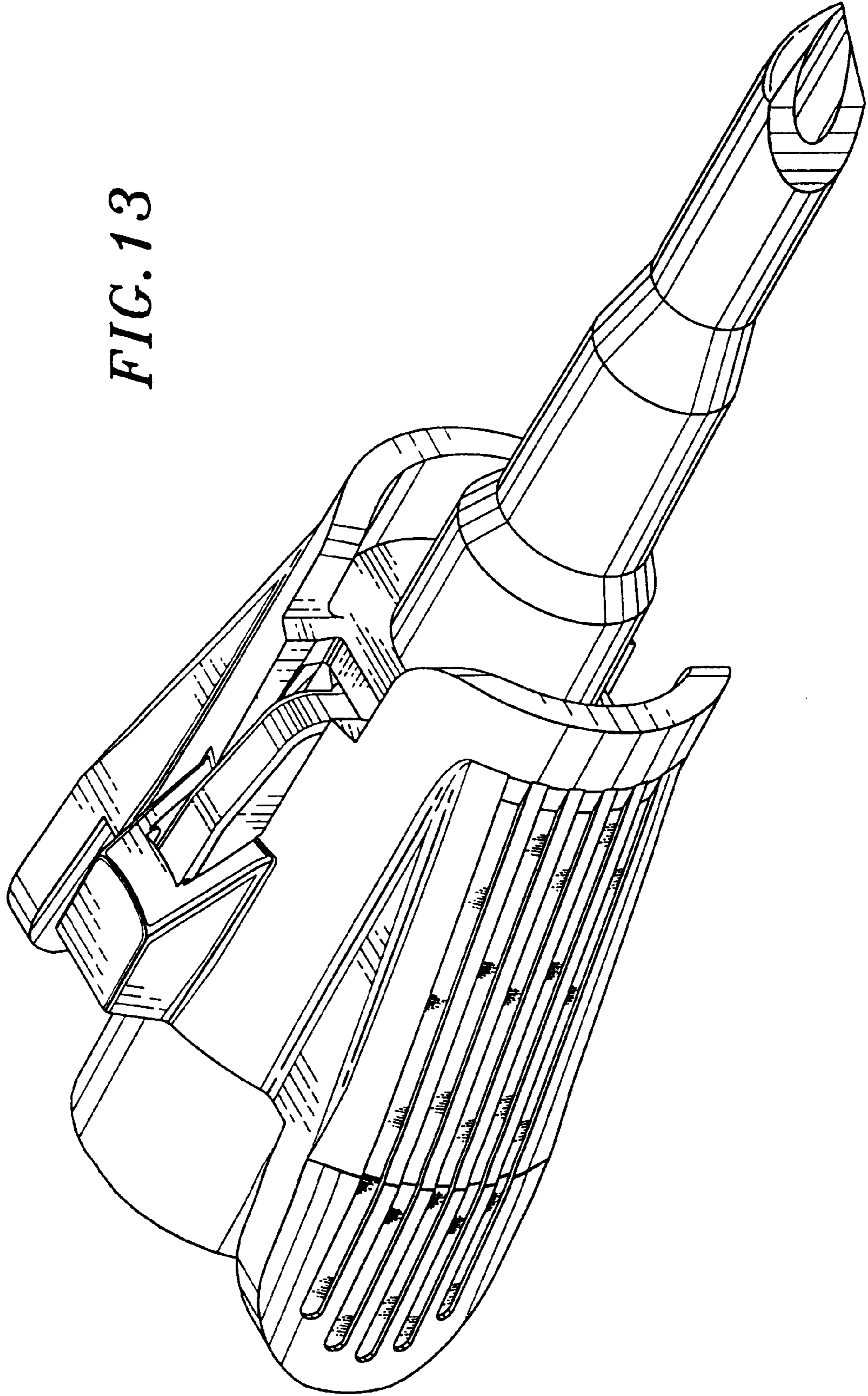
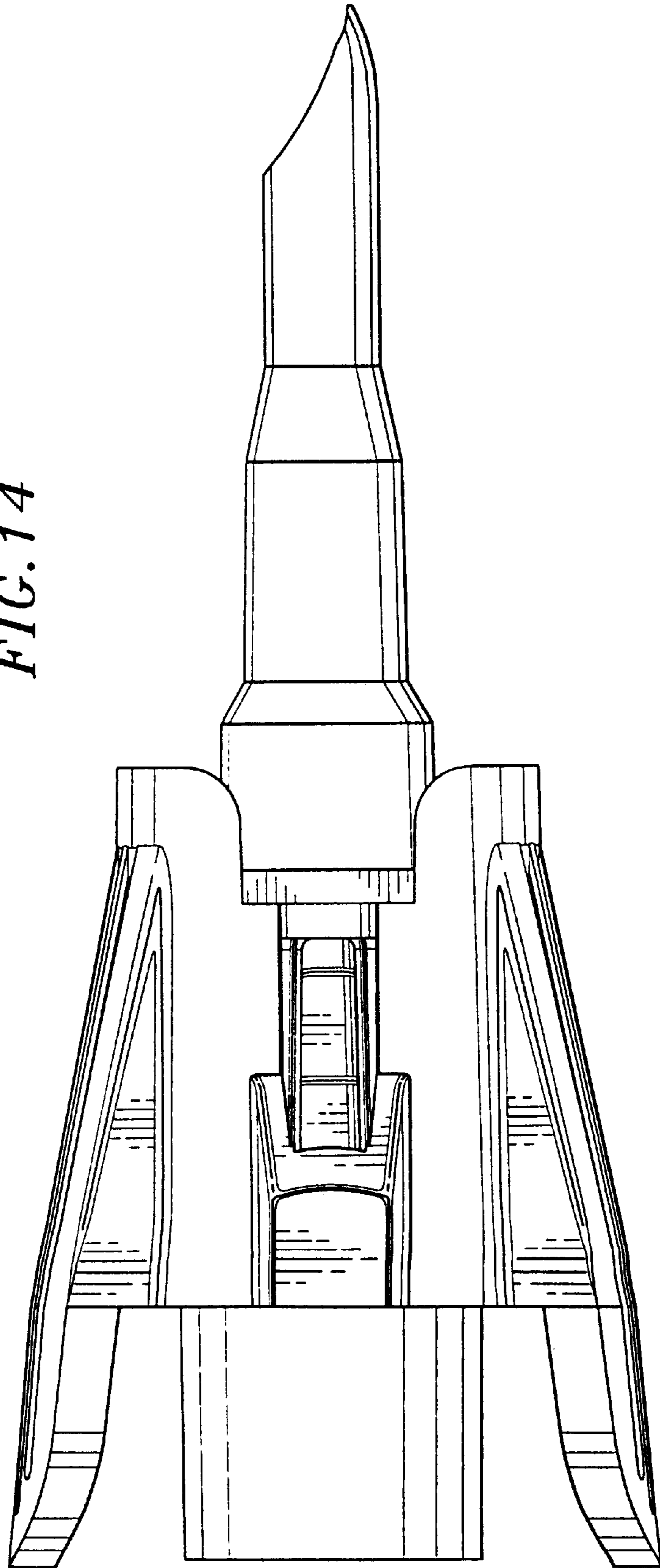
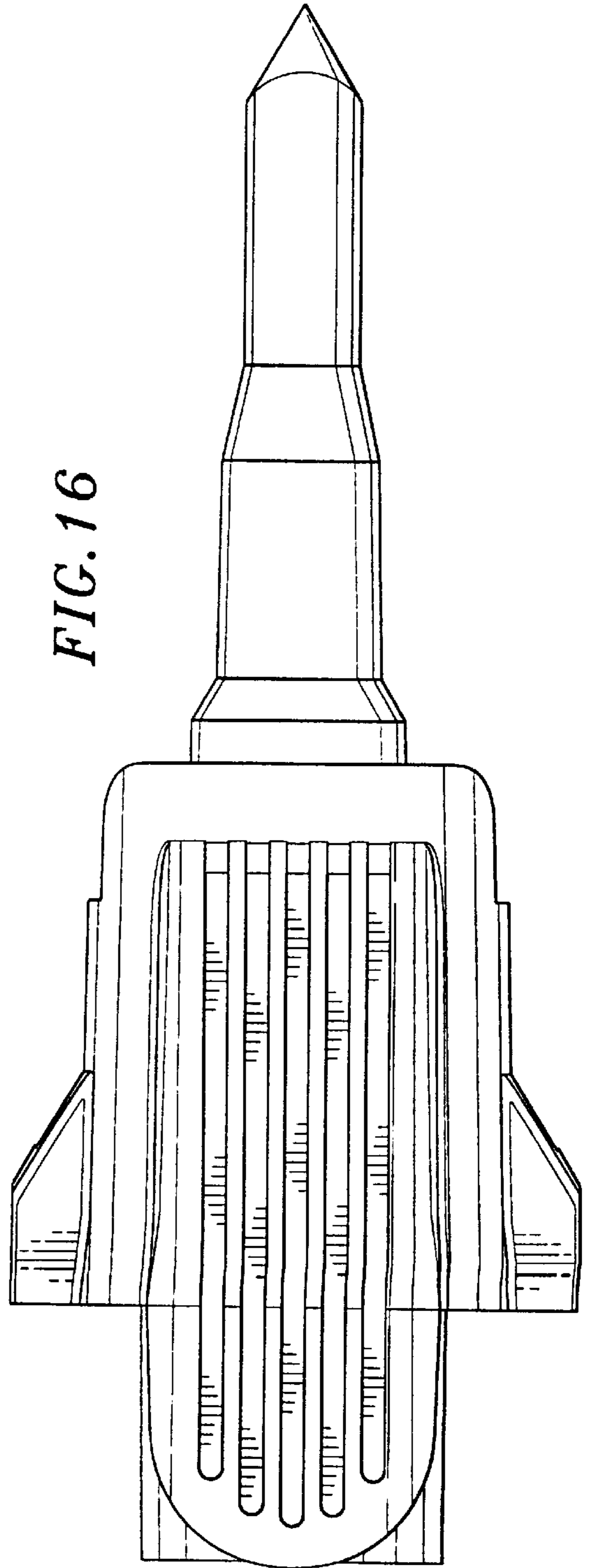
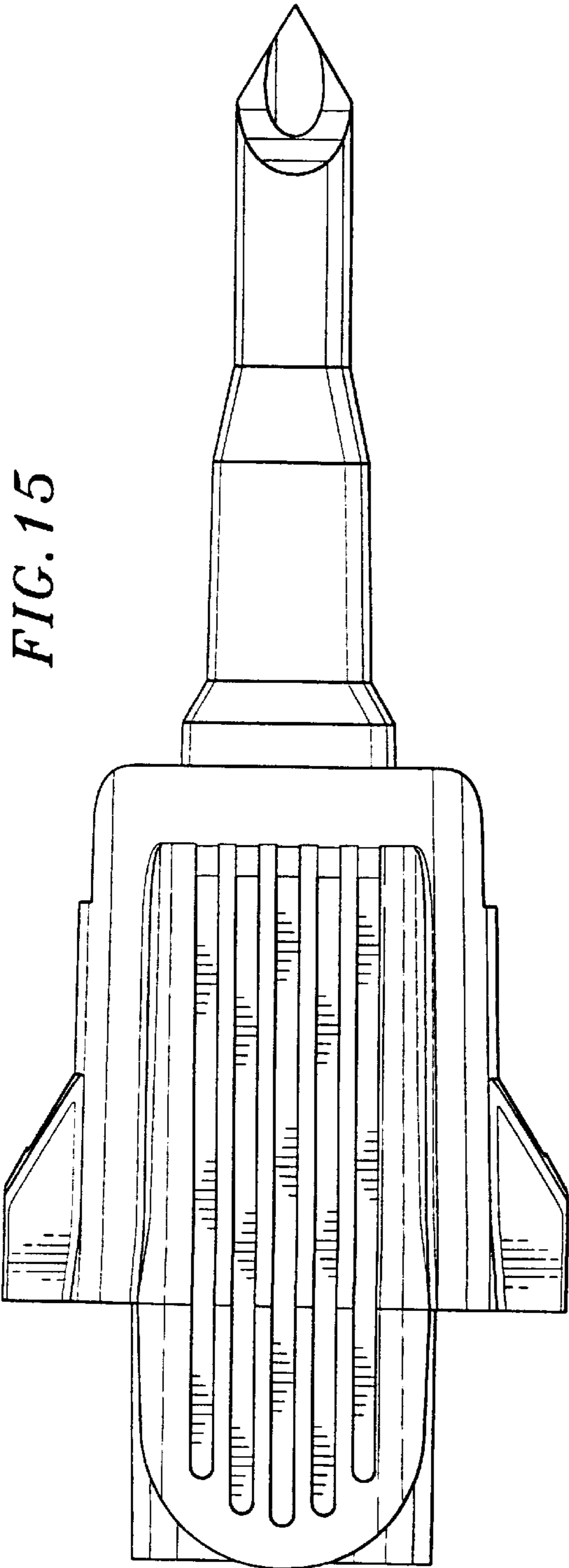


FIG. 13

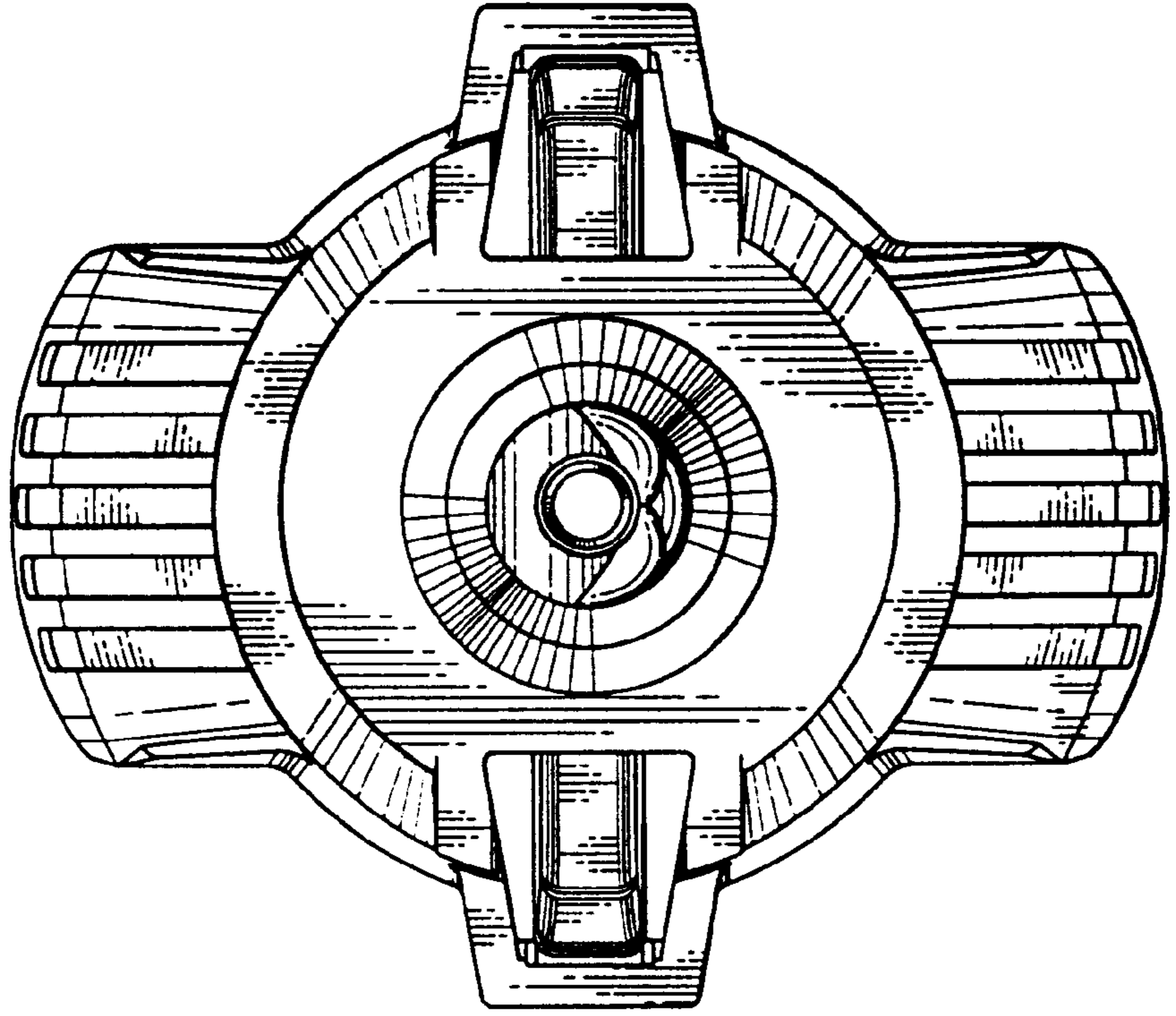


*FIG. 14*





*FIG. 18*



*FIG. 17*

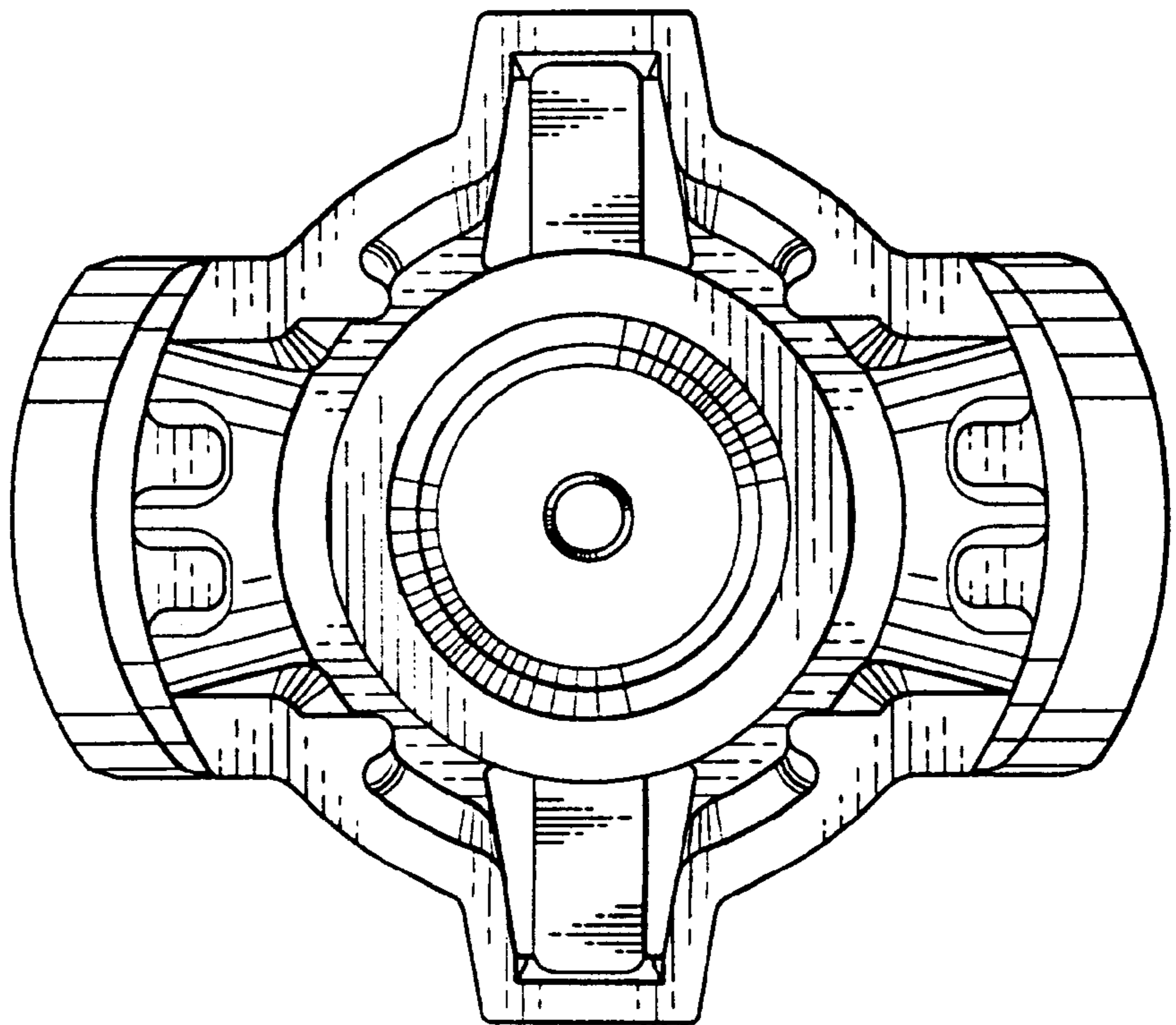


FIG. 19

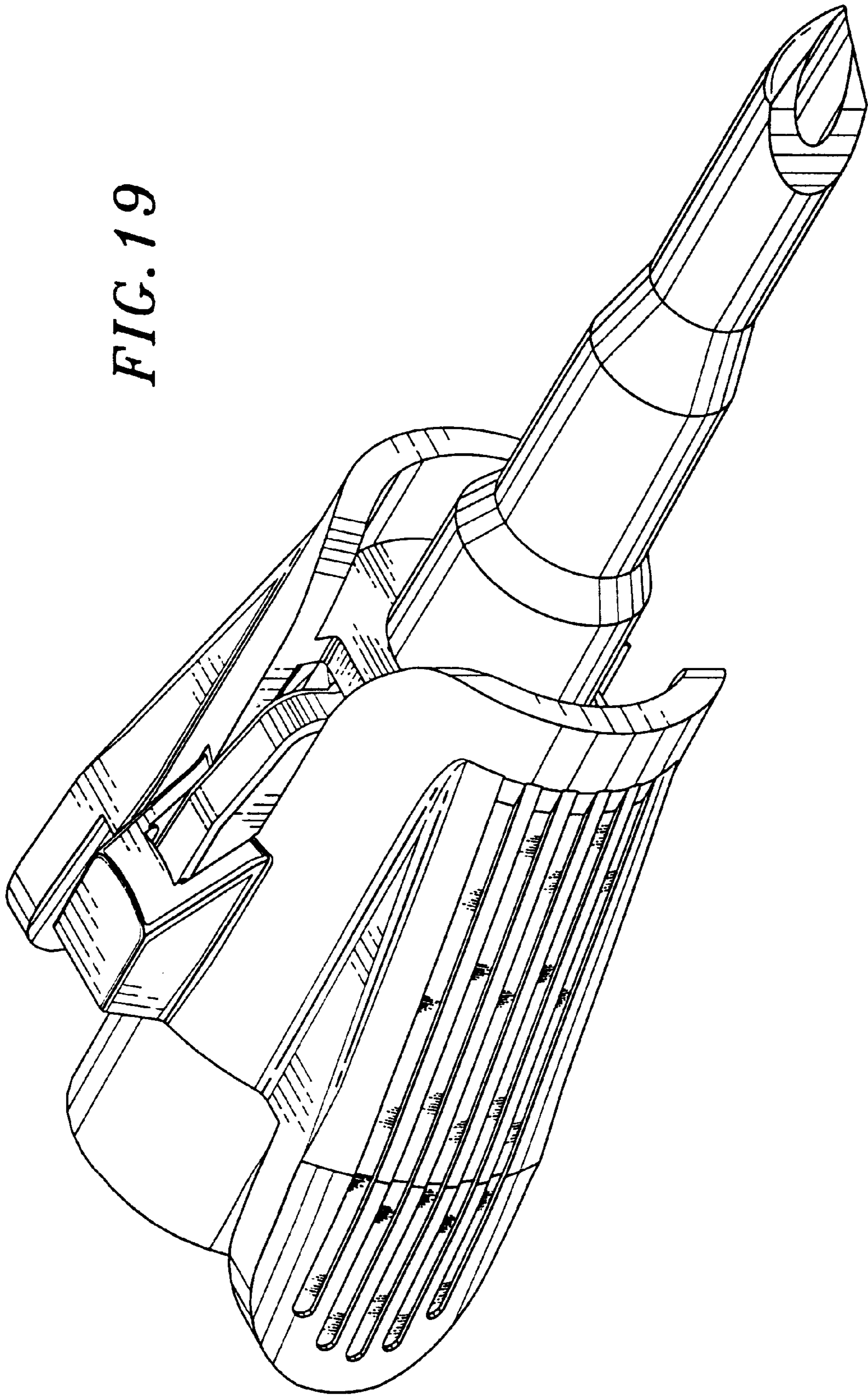
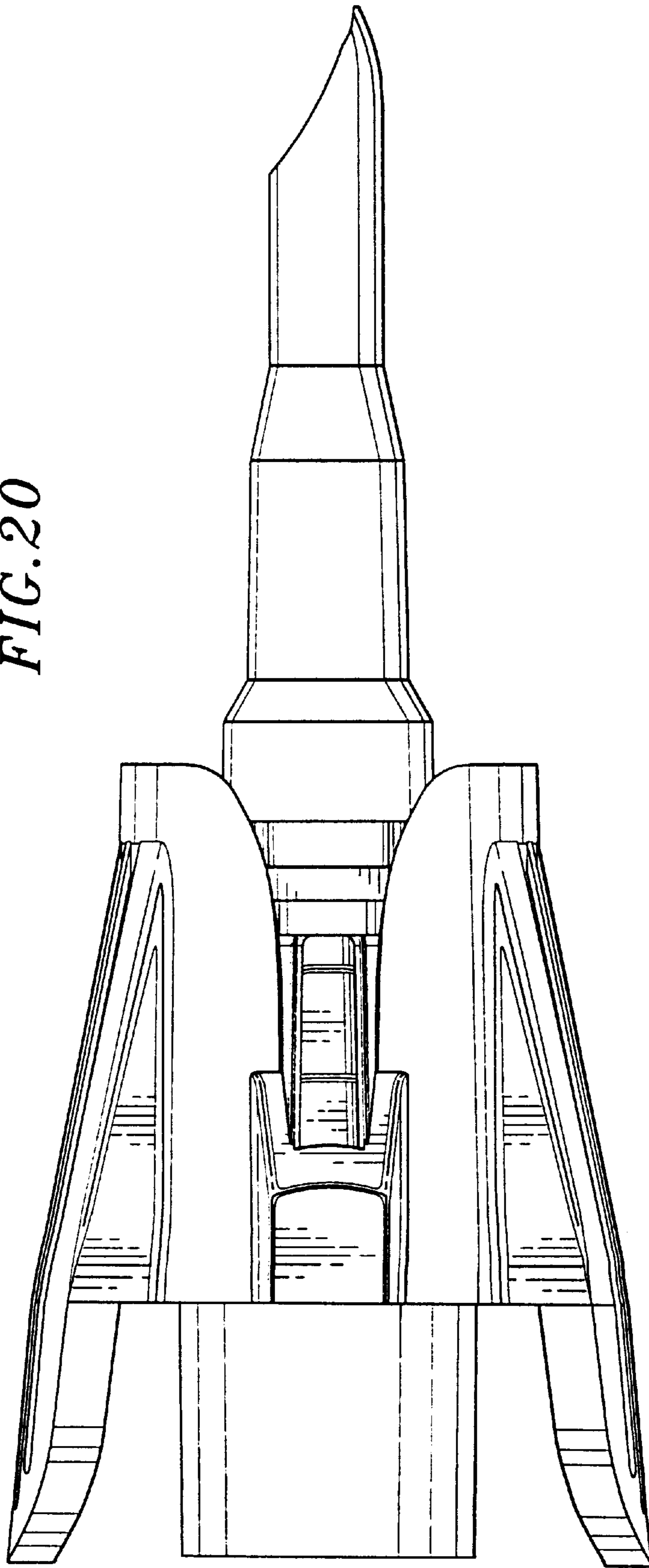
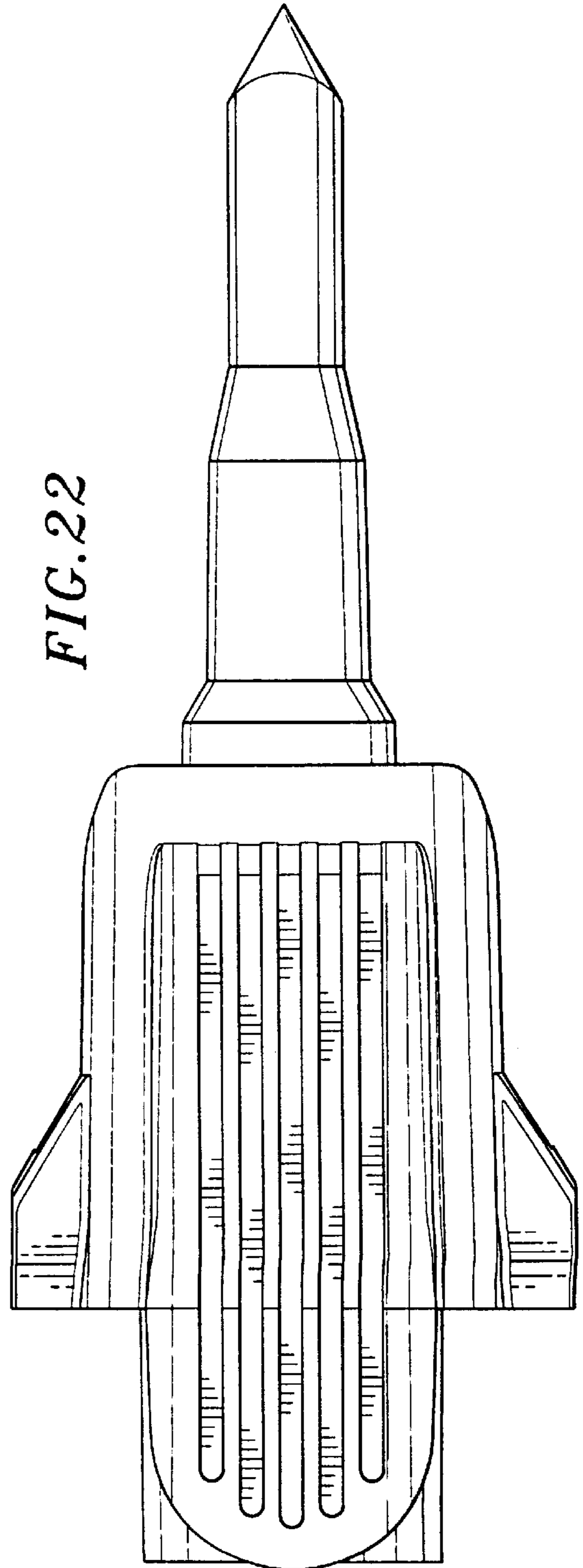
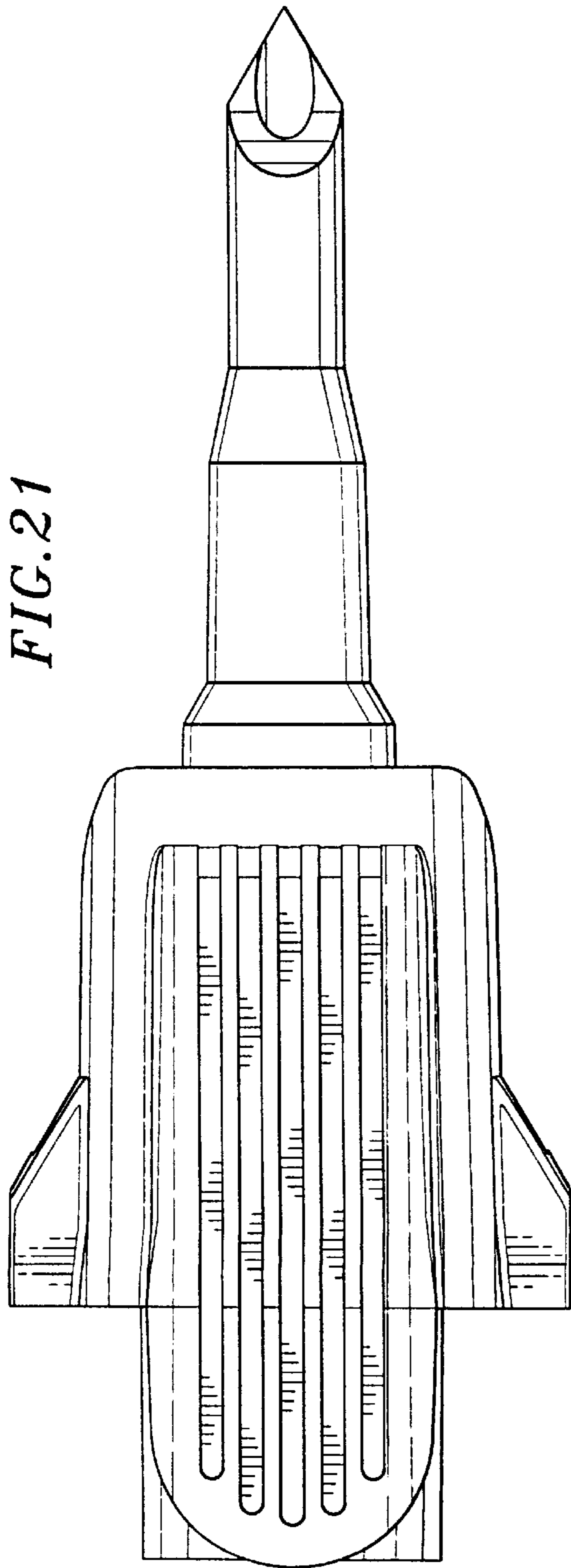


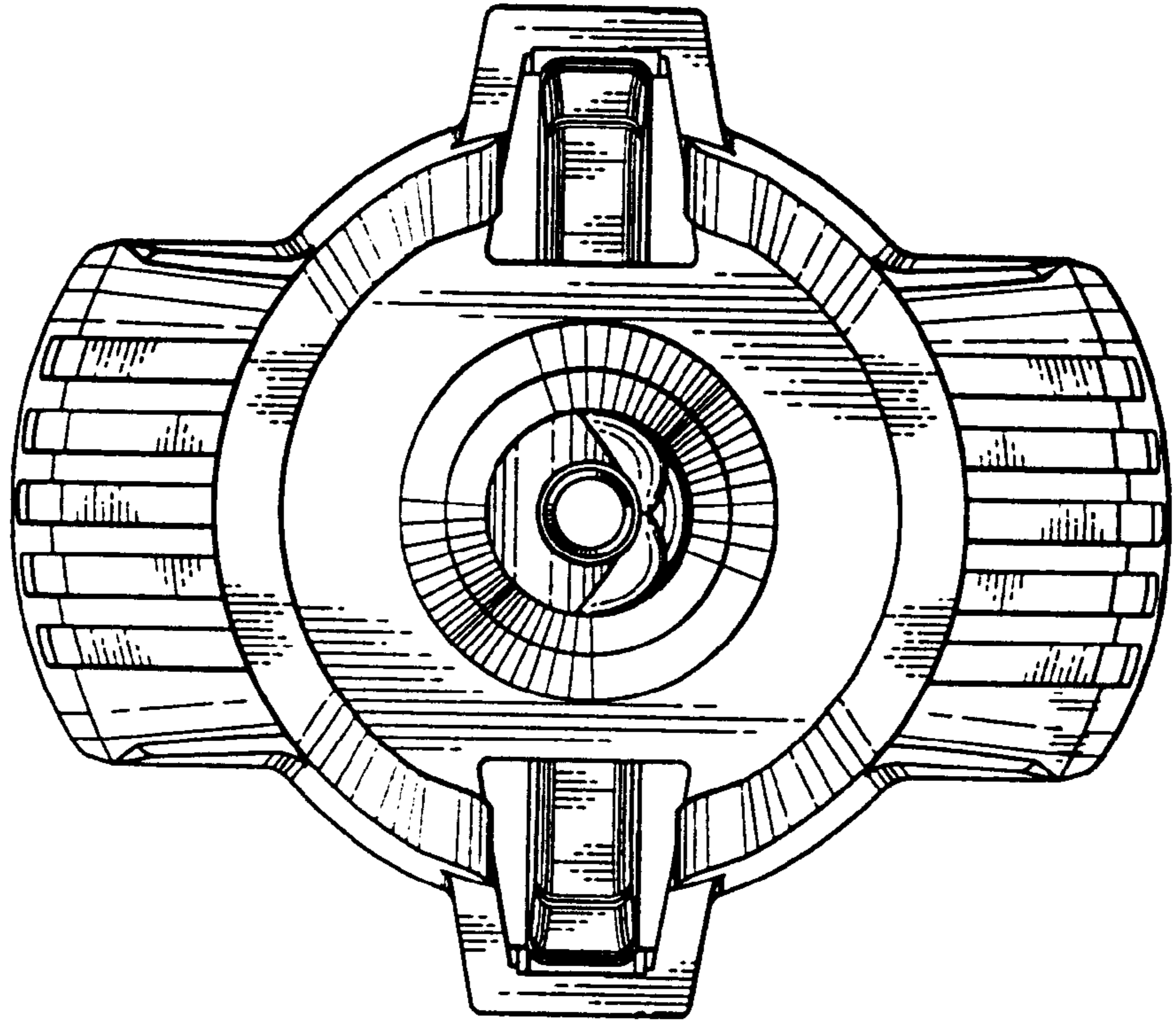
FIG. 20







*FIG. 24*



*FIG. 23*

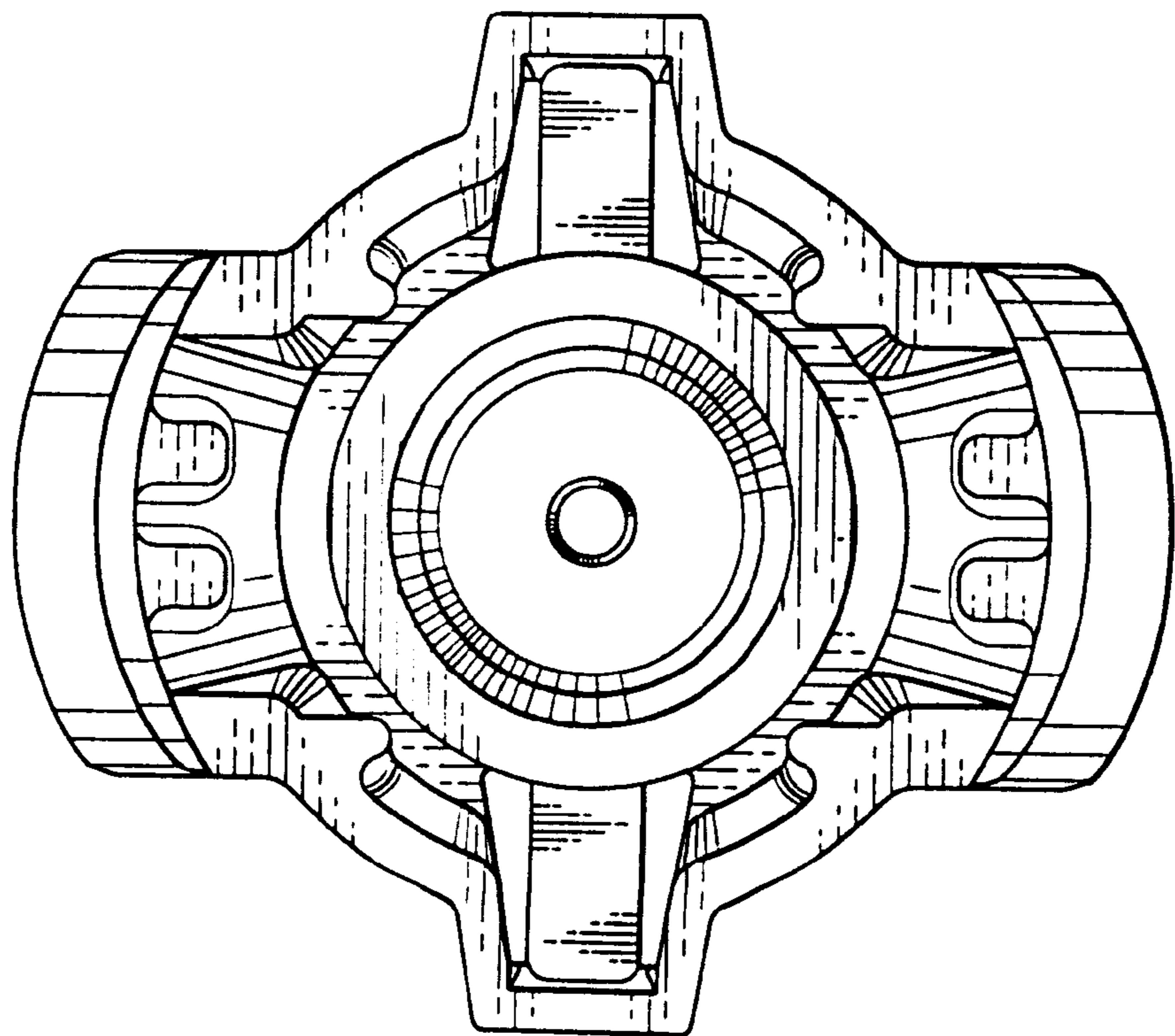
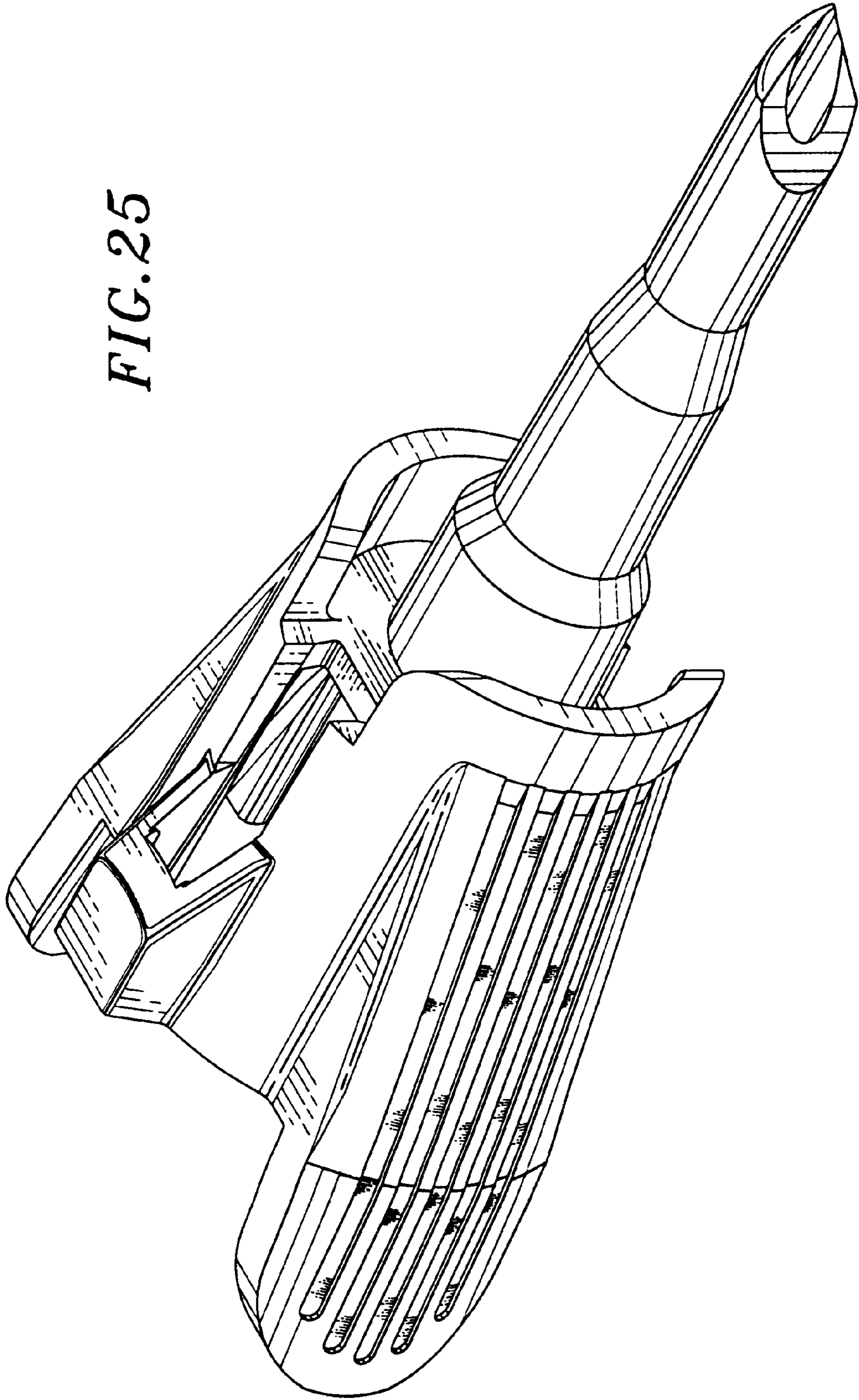


FIG. 25



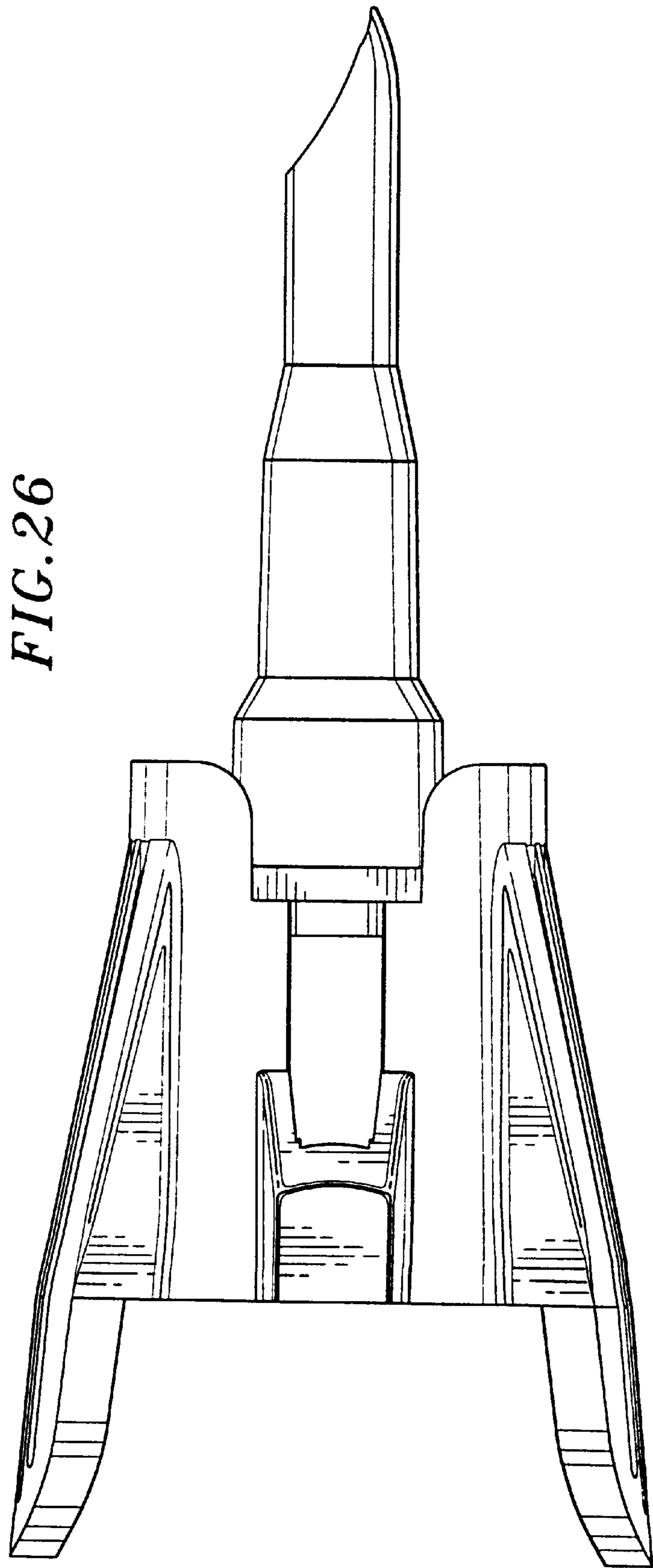
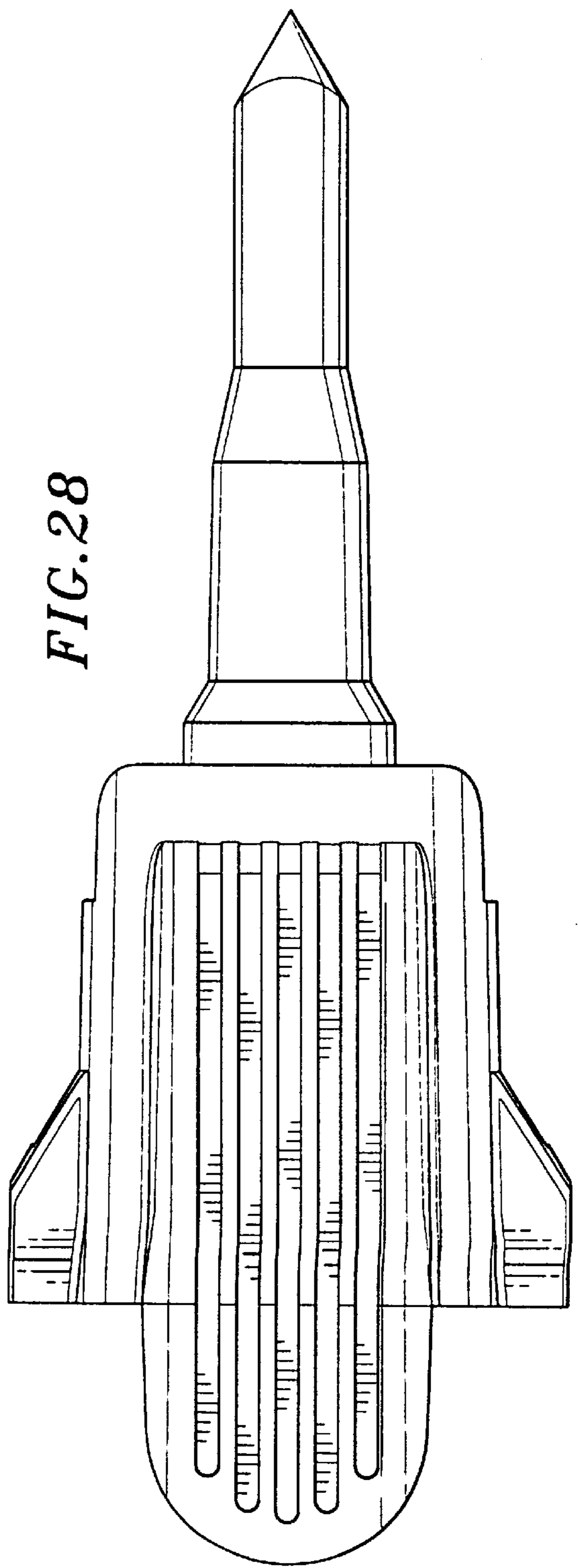
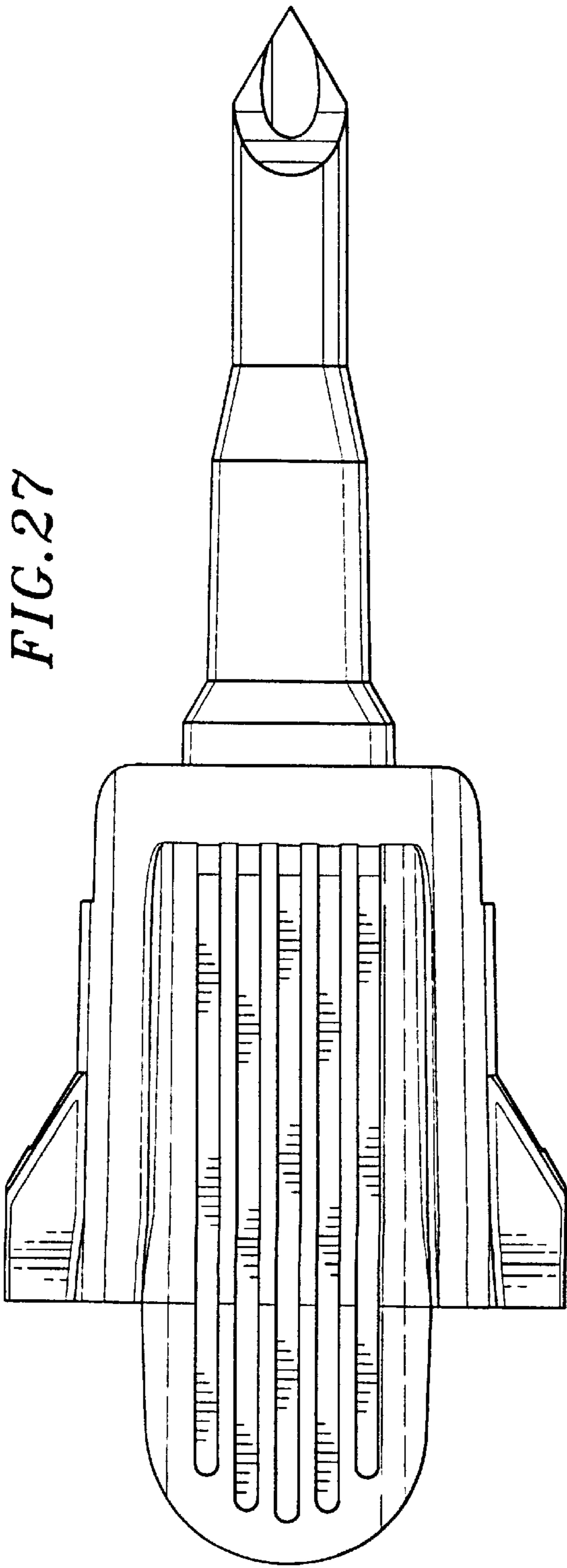
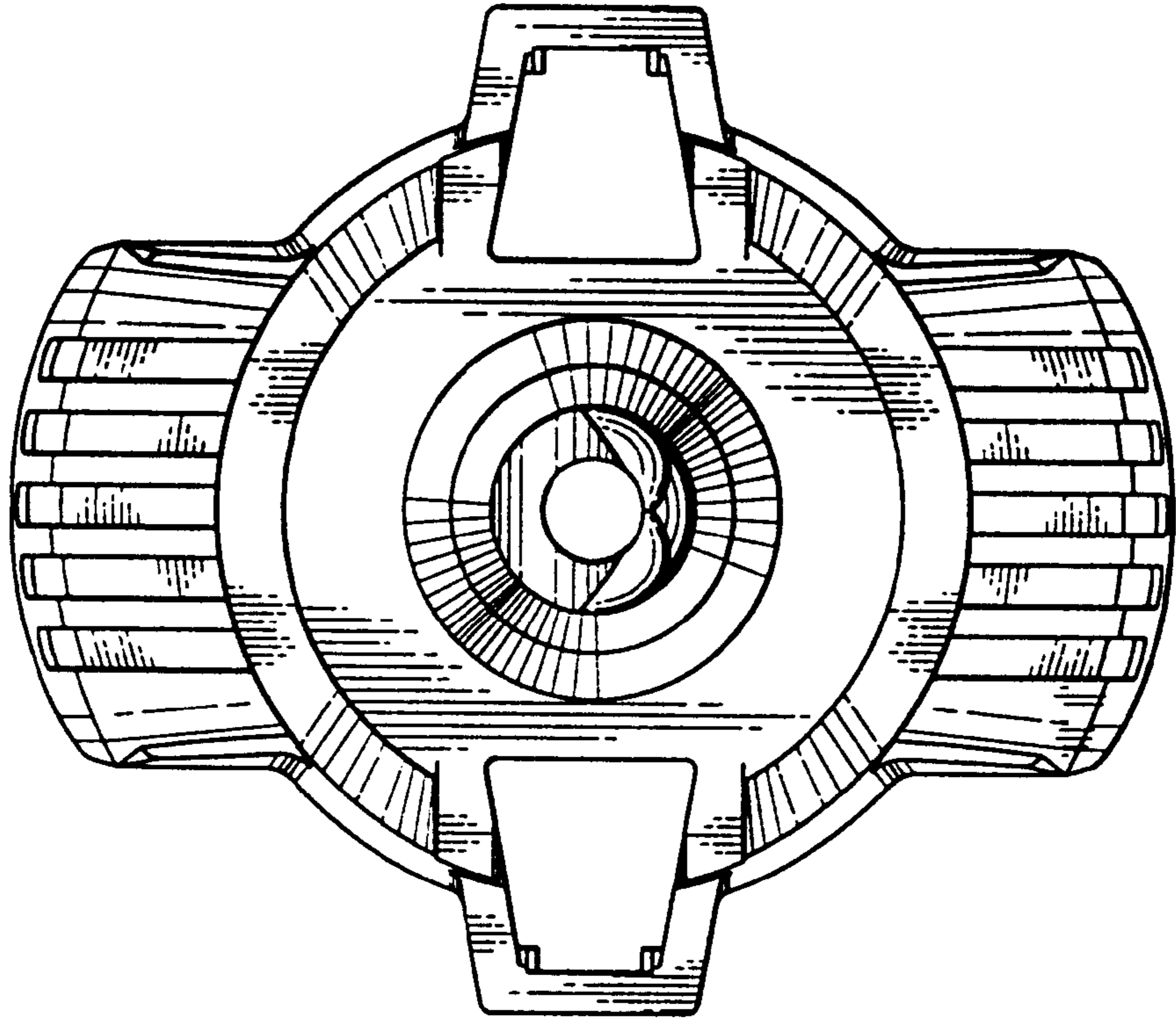


FIG. 26



*FIG. 30*



*FIG. 29*

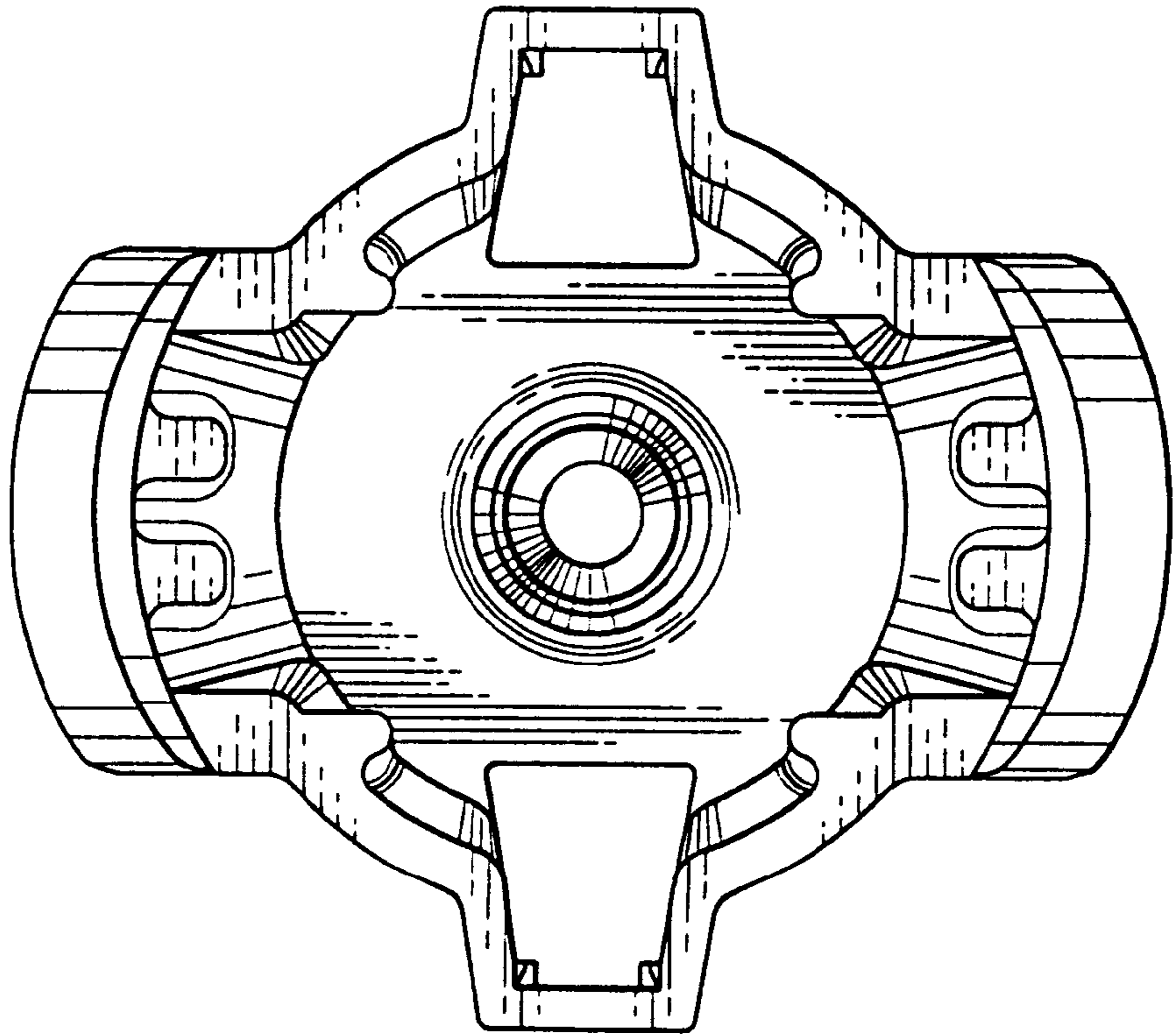


FIG. 31

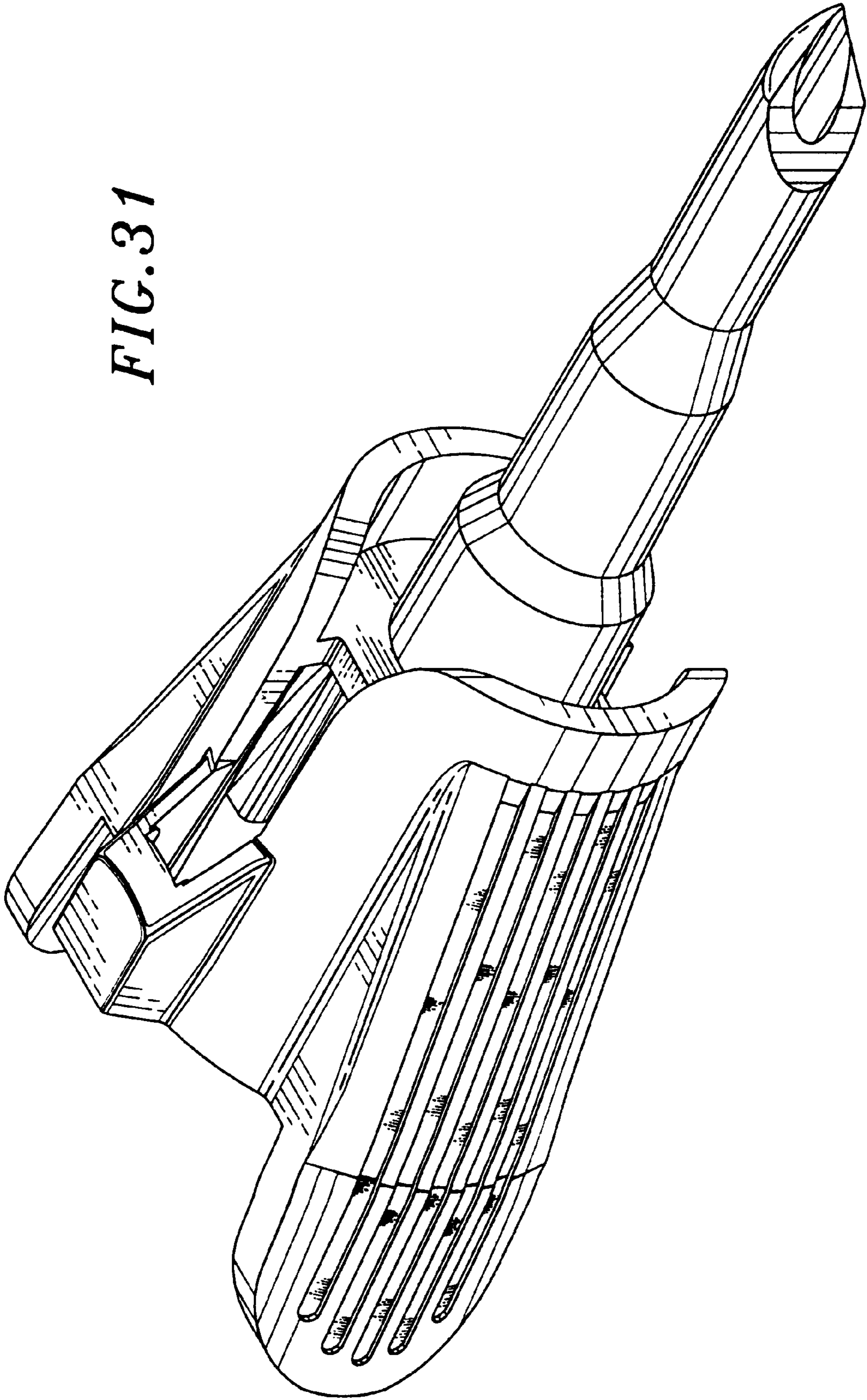
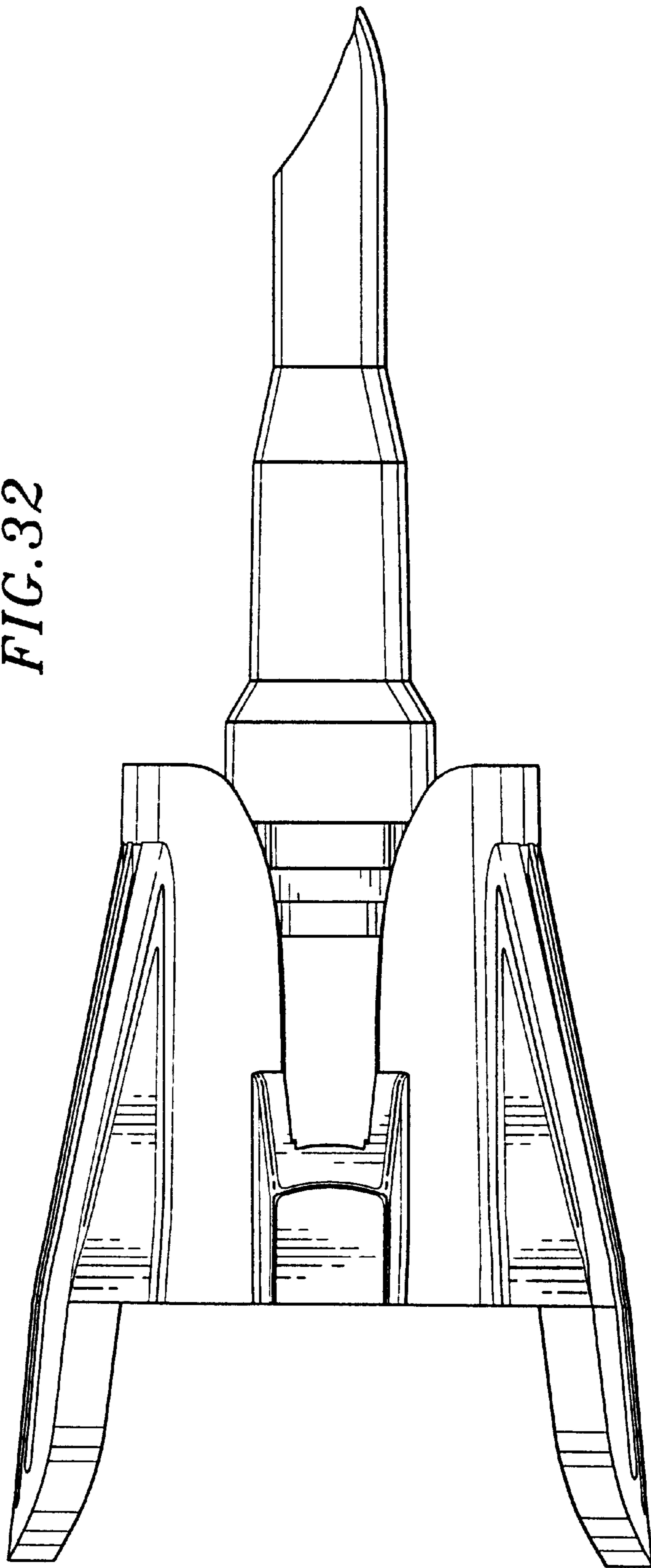
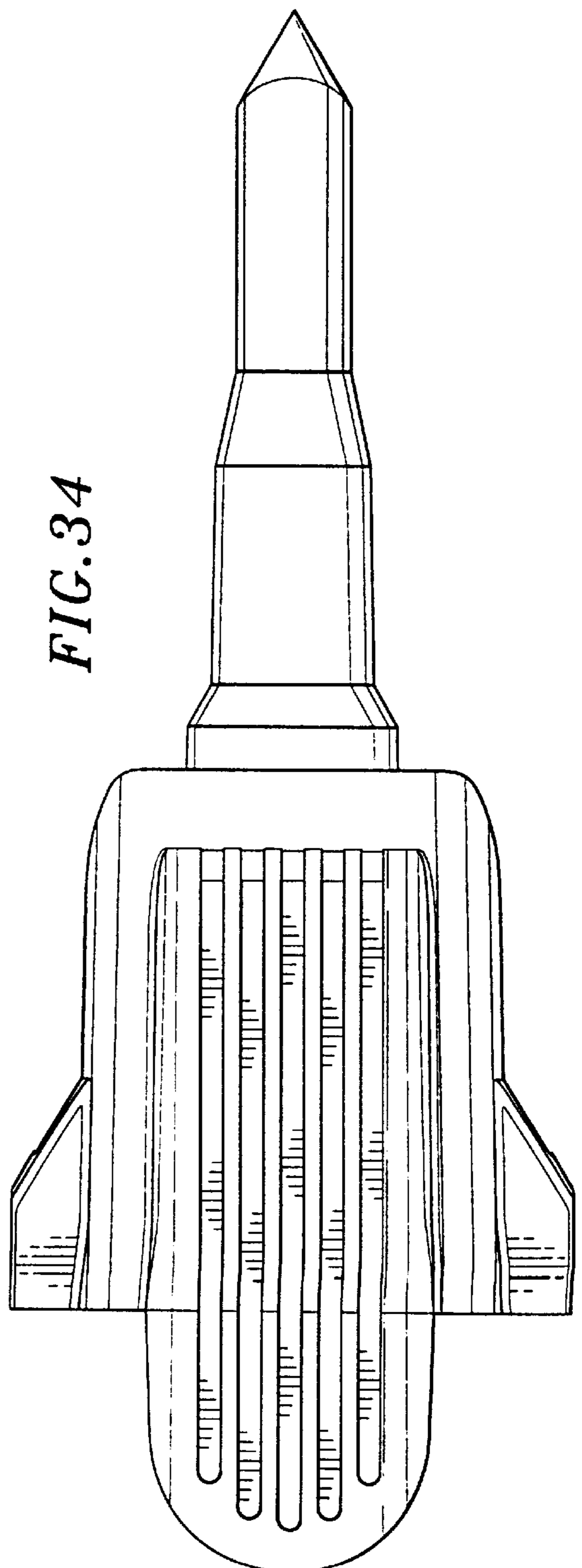
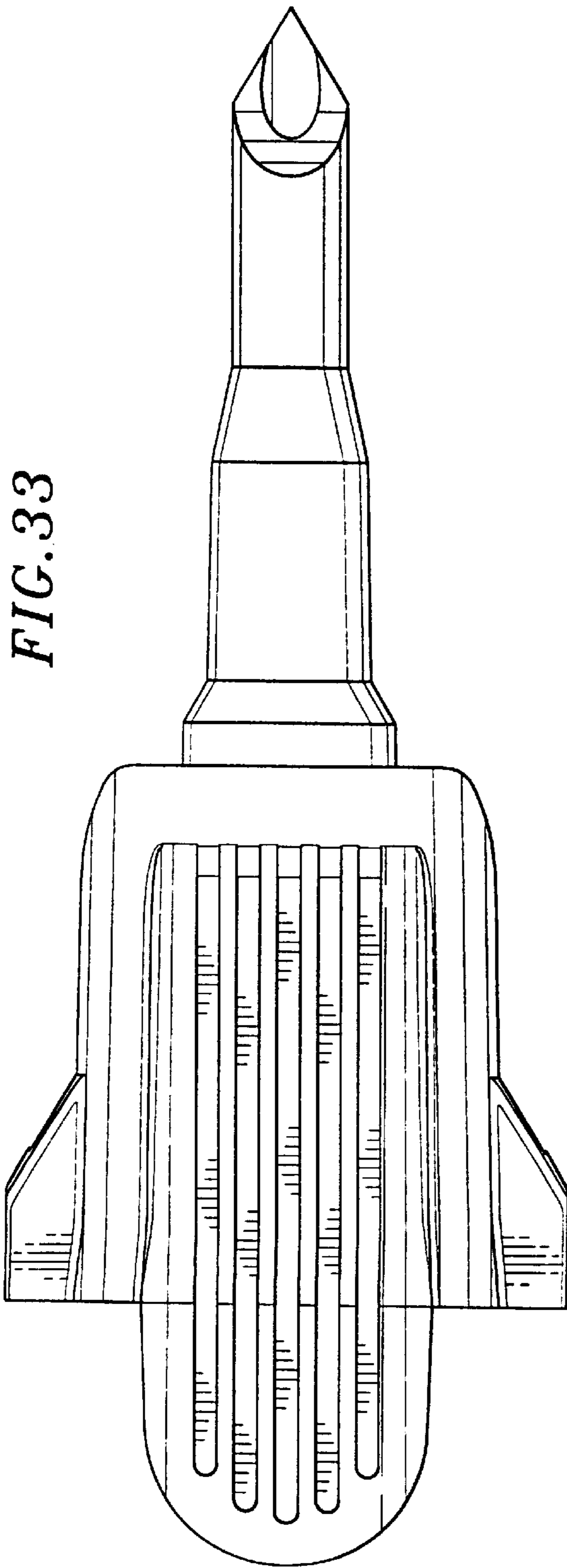


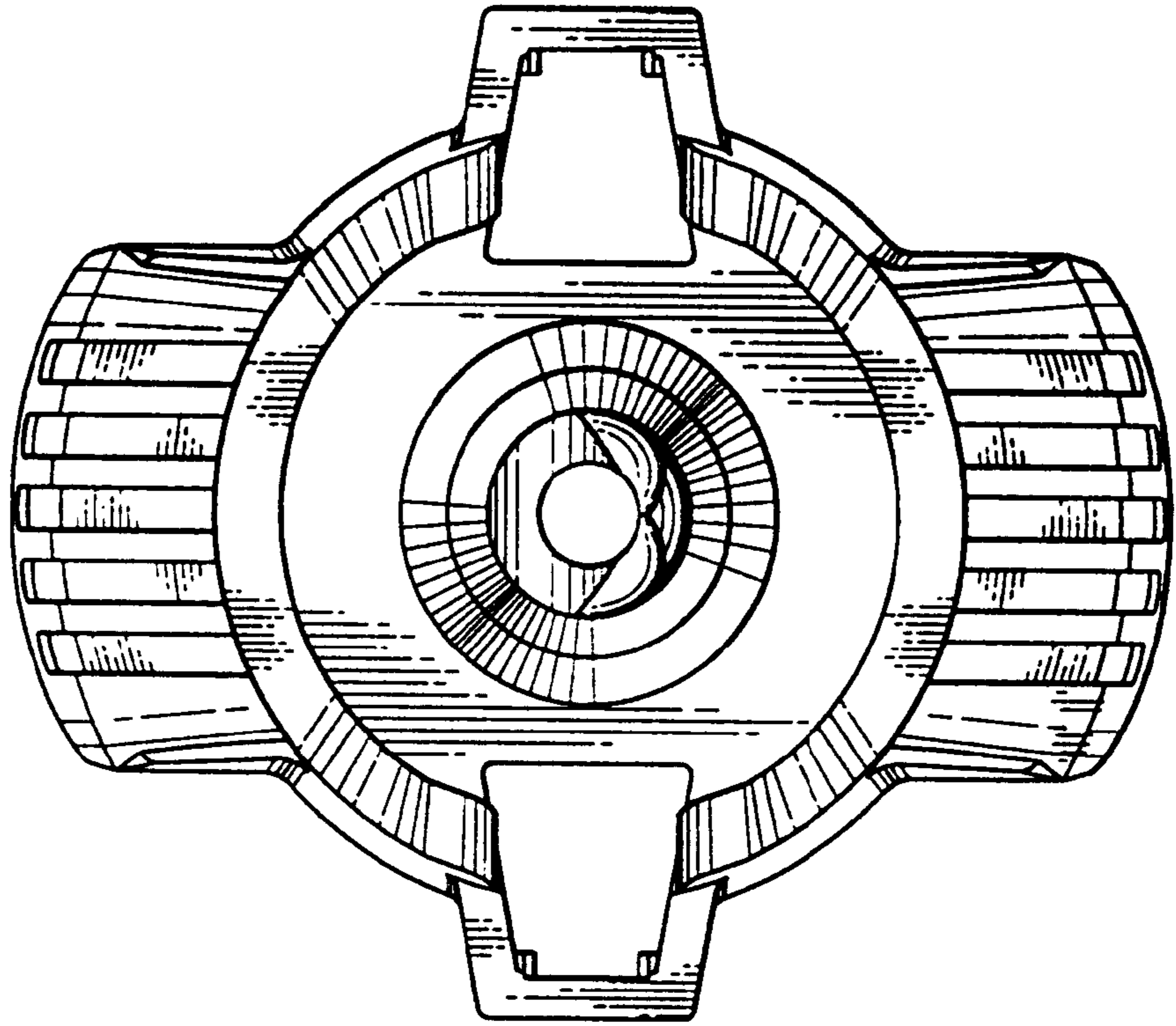
FIG. 32







*FIG. 36*



*FIG. 35*

