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(12) **United States Design Patent** (10) **Patent No.:** **US D843,008 S**
Blaszczak et al. (45) **Date of Patent:** **** Mar. 12, 2019**

(54) **FLUID HANDLING TUBE WITH CAP**

7,574,789 B2 * 8/2009 Reichenbach B01L 3/5082
29/455.1

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D608,900 S * 1/2010 Giraud D24/216
7,674,388 B2 * 3/2010 Emerson B01L 3/50215

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7,915,029 B2 * 3/2011 Haubert B01L 3/50215
210/511
422/402

(Continued)

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FOREIGN PATENT DOCUMENTS

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

EP 0 513 901 11/1992
WO WO 2017/123504 7/2017

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OTHER PUBLICATIONS

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(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(Continued)

(58) **Field of Classification Search**

USPC D24/224-232, 216, 217, 219; 211/126.1; 422/549-553, 558, 916; 435/288.1, 435/288.4, 304.1; D9/505, 439, 452, 453
CPC B01L 9/06; B01L 9/065
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for fluid handling tube with cap, as shown and described.

(56) **References Cited**

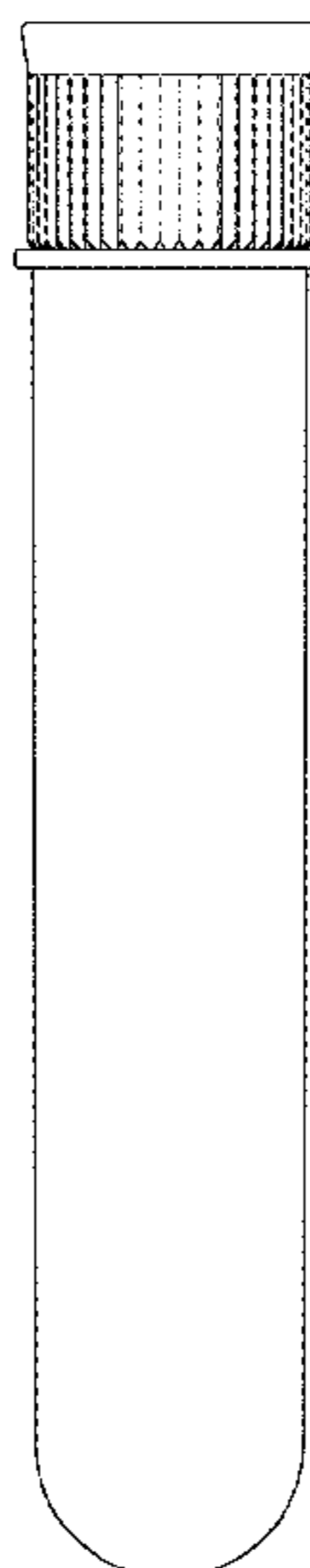
U.S. PATENT DOCUMENTS

3,005,564 A * 10/1961 Weichselbaum B01L 3/50825
215/353
3,900,122 A * 8/1975 Dichter B65D 39/04
215/43
D249,708 S * 9/1978 Smith 24/55
D289,379 S * 4/1987 DeVaughn D9/452
D318,728 S * 7/1991 Braune D24/224
5,114,030 A 5/1992 Conard
6,136,273 A * 10/2000 Seguin B01L 3/50853
206/443
D461,545 S * 8/2002 Nishio D23/259
6,651,835 B2 * 11/2003 Iskra B01L 3/5082
215/12.1
6,932,942 B2 * 8/2005 Itoh B01L 9/06
422/50

DESCRIPTION

FIG. 1 shows a top view of a fluid handling tube with cap assembly embodiment.
FIG. 2 shows a side view thereof.
FIG. 3 shows a cross section view thereof in the direction of the line 3-3 in FIG. 1.
FIG. 4 shows a top view of a fluid handling tube with cap assembly embodiment.
FIG. 5 shows a side view thereof; and,
FIG. 6 shows a cross section view thereof in the direction of the line 6-6 in FIG. 4.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,959,866 B2 * 6/2011 Crawford B01L 3/5082
220/23.83
D647,627 S * 10/2011 Wilkinson D24/224
D679,411 S * 4/2013 Hosoya D24/224
8,415,169 B2 * 4/2013 Haubert B01L 3/50215
210/782
D698,651 S * 2/2014 Sommer D9/453
D703,345 S * 4/2014 Tajima D24/224
D709,374 S * 7/2014 Wilcox D9/453
D742,027 S * 10/2015 Lentz D24/224
D751,921 S * 3/2016 Lam D9/504
D755,634 S * 5/2016 Dittmer D9/452
D777,341 S * 1/2017 Oguro D24/224
D778,459 S * 2/2017 Tajima D24/224
2012/0141341 A1 6/2012 Bartfeld et al.

OTHER PUBLICATIONS

International Search Report dated Apr. 18, 2017 for International Application No. PCT/US2017/012743, filed Jan. 9, 2017 and published as WO 2017/123504 dated Jul. 20, 2017.

* cited by examiner

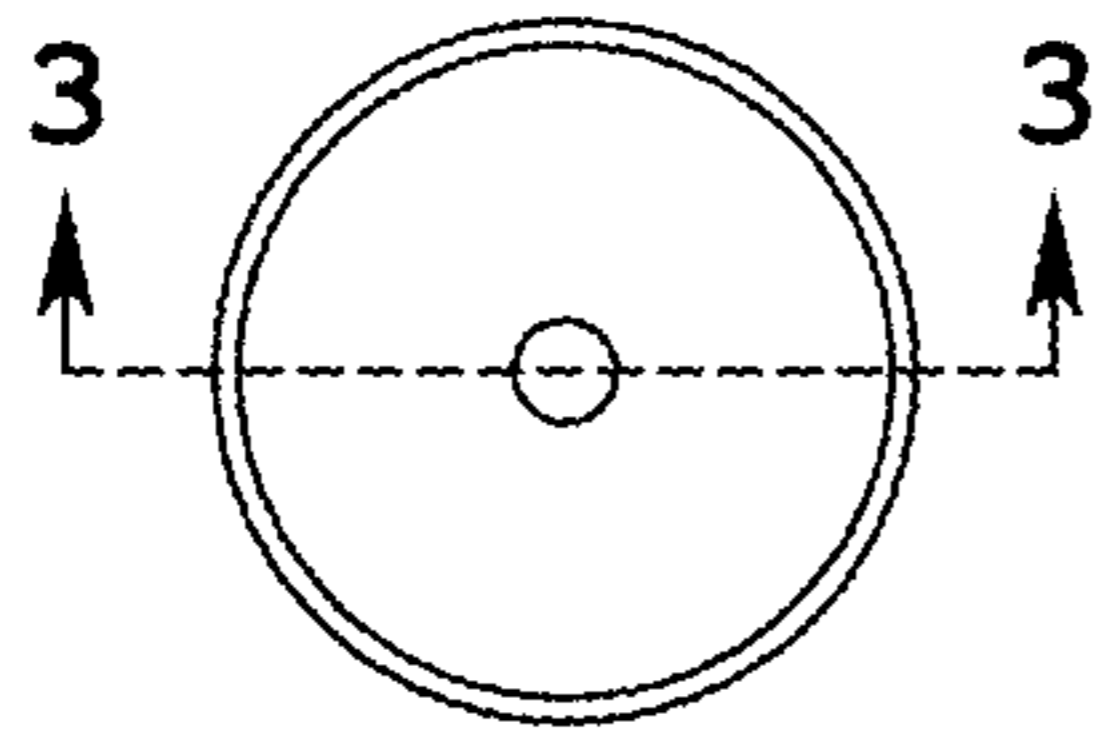


FIG. 1

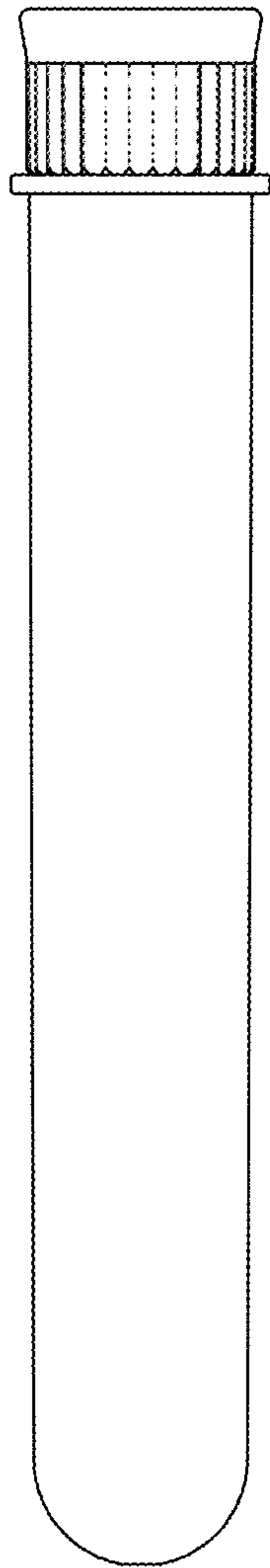


FIG. 2

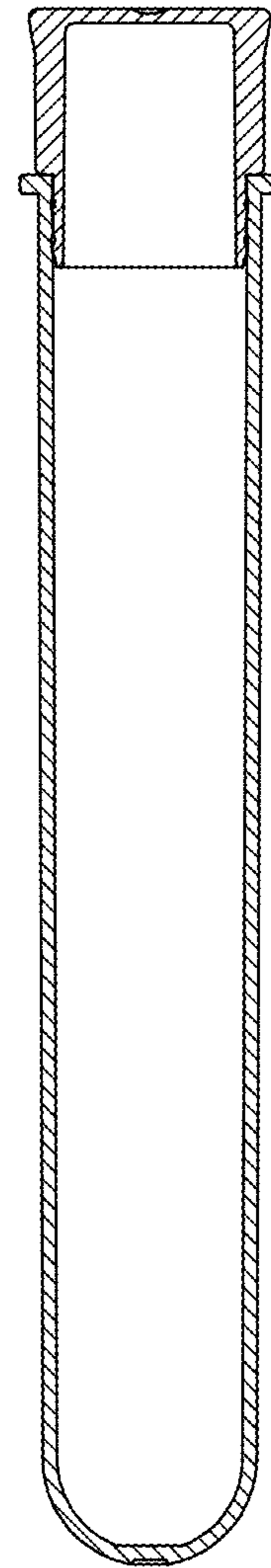


FIG. 3

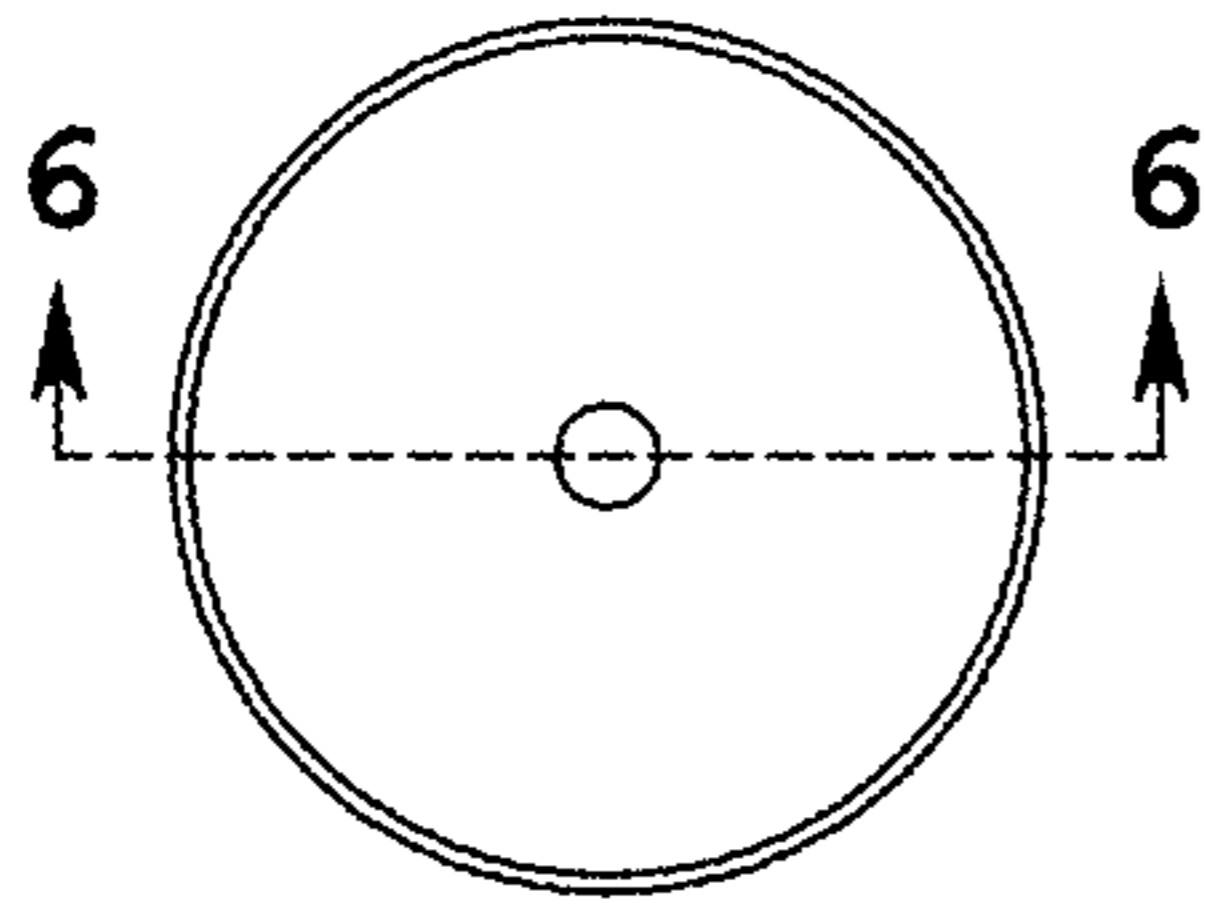


FIG. 4

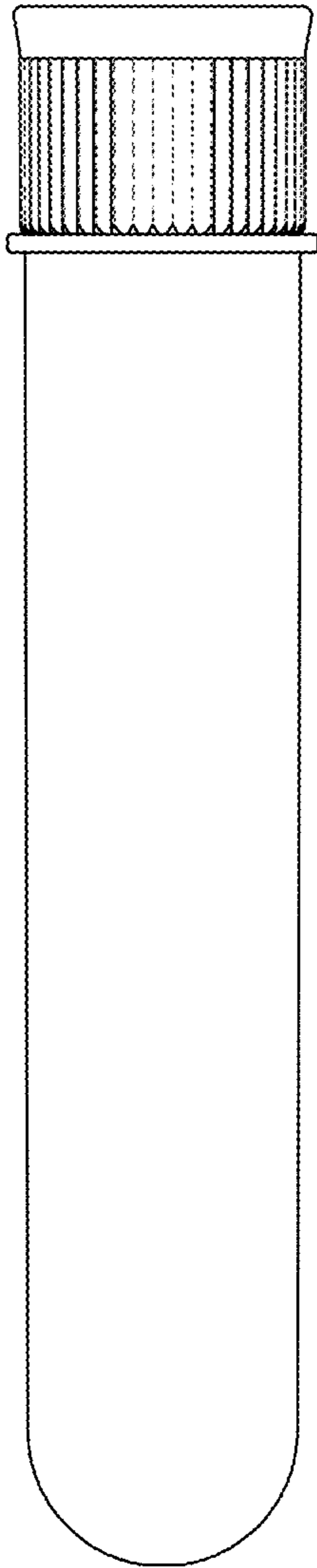


FIG. 5

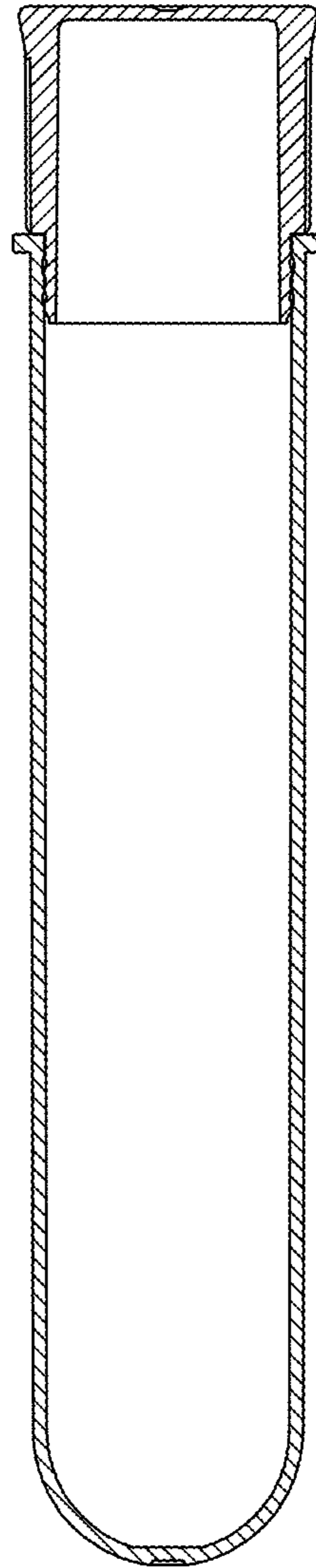


FIG. 6