



US00D721285S

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

(10) **Patent No.:** **US D721,285 S**
(45) **Date of Patent:** **** *Jan. 20, 2015**

(54) **CONTROLLED-RELEASE CHEMICAL DELIVERY DEVICE**

(75) Inventor: **Ryuichi Saguchi**, Joetsu (JP)

(73) Assignee: **Shin-Etsu Chemical Co., Ltd.**, Tokyo (JP)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/380,784**

(22) Filed: **Dec. 10, 2010**

(30) **Foreign Application Priority Data**

Jun. 23, 2010 (JP) 2010-015380

(51) **LOC (10) Cl.** **09-03**

(52) **U.S. Cl.**
USPC **D9/697; D24/100**

(58) **Field of Classification Search**
USPC D24/100-104; D9/695-697; D8/1, 2;
239/6, 34; 53/127; 424/409
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,895,606 A * 7/1959 Hoag 206/469
4,600,146 A * 7/1986 Ohno 239/6
4,605,165 A * 8/1986 Van Loveren et al. 239/6
4,939,884 A * 7/1990 Peters 53/127
D369,094 S * 4/1996 Linner D9/695
D374,173 S * 10/1996 Linner D9/695
D378,626 S * 3/1997 Hall et al. D32/35
5,664,607 A * 9/1997 van Wassenhove 138/107
D400,093 S * 10/1998 Israelsson et al. D9/696
5,993,843 A * 11/1999 Sakurada et al. 424/409
6,216,960 B1 * 4/2001 Aiba et al. 239/34
D491,029 S 6/2004 Atkins et al.
D511,947 S 11/2005 Green
D519,846 S * 5/2006 Bouroullec et al. D9/702

D597,387 S 8/2009 Huber
D602,990 S 10/2009 Magera
D618,972 S 7/2010 Bushroe
D619,862 S 7/2010 Brodek
D620,372 S * 7/2010 Latour D9/702
D625,199 S * 10/2010 Latour D9/702
D649,065 S * 11/2011 Arinsmier et al. D9/697
2003/0008042 A1 * 1/2003 Khalsa et al. 426/120
2007/0158399 A1 * 7/2007 Khalsa et al. 229/87.01

FOREIGN PATENT DOCUMENTS

AU 334559 S 1/2011
AU 334560 S 1/2011
CA 138226 2/2012
CA 138227 2/2012
CL 1502-2010 4/2011
EM 001791294-0001 1/2011
EM 001791450-0001 1/2011

* cited by examiner

Primary Examiner — Ian Simmons

Assistant Examiner — Charles Hanson

(74) *Attorney, Agent, or Firm* — Alston & Bird LLP

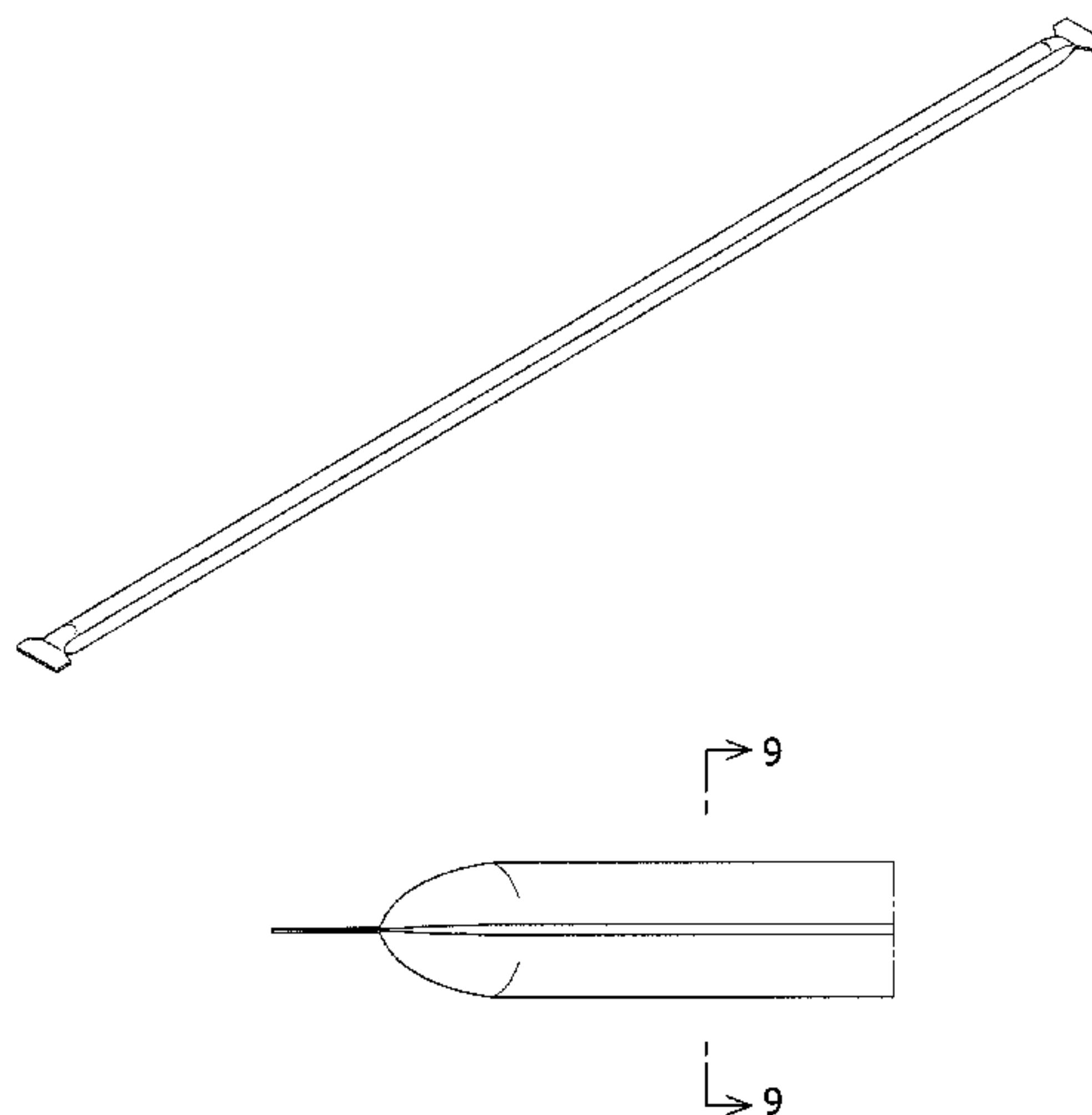
(57) **CLAIM**

I claim the ornamental design for a controlled-release chemical delivery device, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of a controlled-release chemical delivery device showing my new design;
FIG. 2 is a rear elevation view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a right side elevation view thereof;
FIG. 6 is a left side elevation view thereof;
FIG. 7 is a perspective view thereof;
FIG. 8 is an enlarged partial view thereof taken along line 8-8 in FIG. 1; and,
FIG. 9 is a cross-section view thereof taken along line 9-9 in FIG. 8.

1 Claim, 7 Drawing Sheets



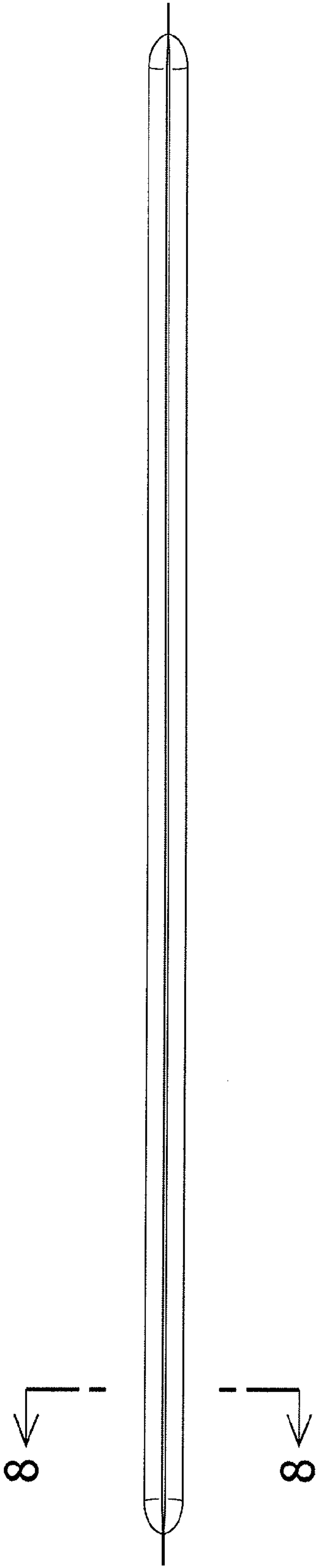


FIG.1



FIG.2

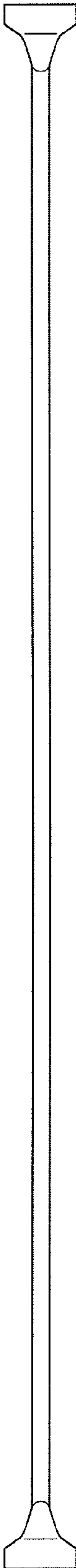


FIG.3

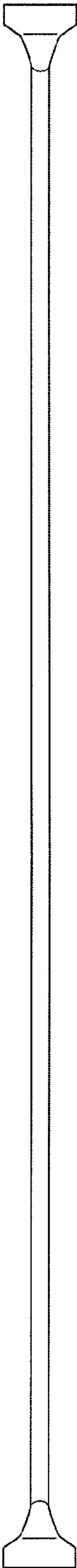


FIG.4

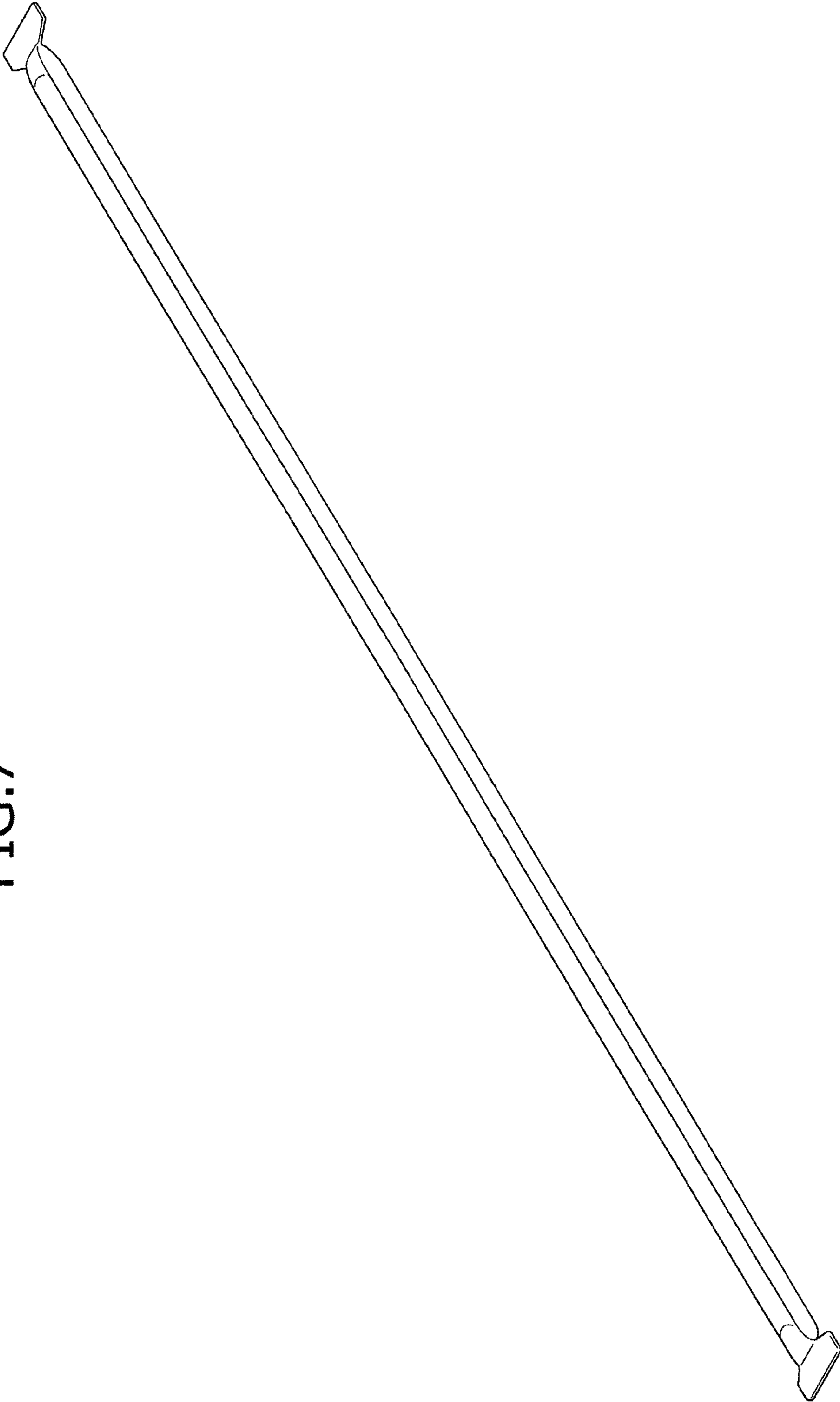


FIG. 5



FIG. 6

FIG.7



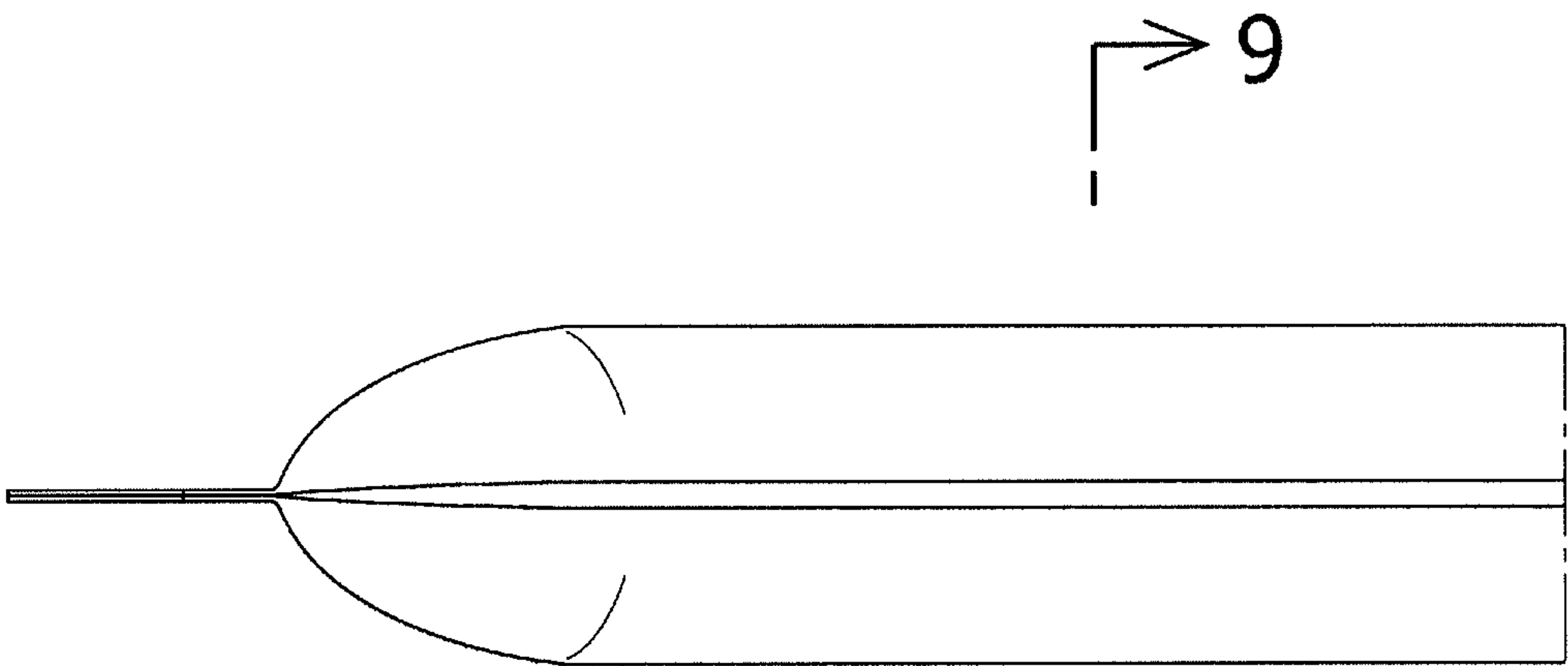


FIG. 8

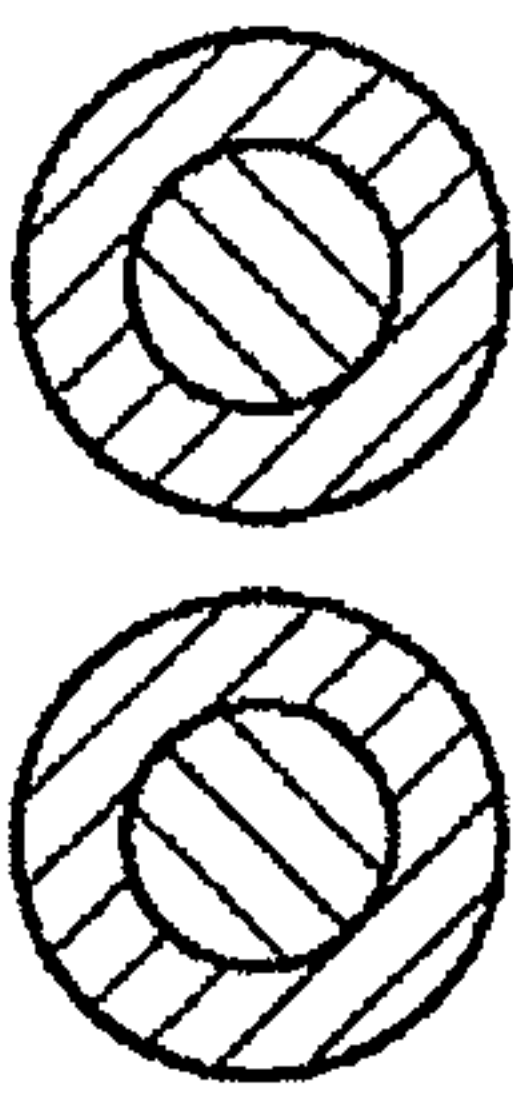


FIG. 9