US00D704580S

(12) United States Design Patent

Akiyama et al.

(10) Patent No.: US D704,580 S
(45) Date of Patent: ** May 13, 2014

(54) **MICRO FLOW CHANNEL CHIP FOR FLOW CYTOMETER**

(75) Inventors: **Yuji Akiyama**, Tokyo (JP); **Shoji Akiyama**, Tokyo (JP); **Takeshi Yamasaki**, Tokyo (JP)

(73) Assignee: **Sony Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/421,304**

(22) Filed: **Jun. 29, 2012**

(30) **Foreign Application Priority Data**

Mar. 8, 2012 (JP) D2012-005307
Mar. 8, 2012 (JP) D2012-005308
Mar. 8, 2012 (JP) D2012-005309
Mar. 8, 2012 (JP) D2012-005310

(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/81**; D10/94

(58) **Field of Classification Search**
USPC ..... D10/81, 94; D24/216, 224, 225, 226; 73/866.5, 54.09, 53.01, 514.29, 73/514.01, 196, 204.15, 28.05; 137/487, 137/1, 561 R, 896, 833; 204/451, 601, 643, 204/600, 547, 515, 454; 209/155, 131, 209/127.1, 132; 210/321.84; 324/71.1; 356/445, 337, 243.2; 417/413.3, 413.2, 417/322, 244; 422/82.06, 64, 69, 504, 505, 422/503, 413, 400, 130, 502, 68.1; 424/473; 435/91.2, 701, 705, 6.19, 435/6.11–6.14, 4, 5, 300.1, 289.1, 288.7, 435/287.2; 436/174, 63, 526, 524, 514, 436/501, 43, 180; 604/892.1
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D673,286	S *	12/2012	Shinoda	D24/216
D673,287	S *	12/2012	Akiyama et al.	D24/216
2005/0183496	A1 *	8/2005	Baek	73/54.09
2006/0147343	A1 *	7/2006	Teramoto	422/68.1
2008/0072895	A1 *	3/2008	Ganan-Calvo	128/200.22
2011/0235030	A1 *	9/2011	Champseix et al.	356/243.2
2012/0276543	A1 *	11/2012	Quake et al.	435/6.12
2013/0090287	A1 *	4/2013	Alessi et al.	514/5.3

* cited by examiner

Primary Examiner — Antoine D Davis
(74) *Attorney, Agent, or Firm* — Rader, Fishman & Grauer PLLC

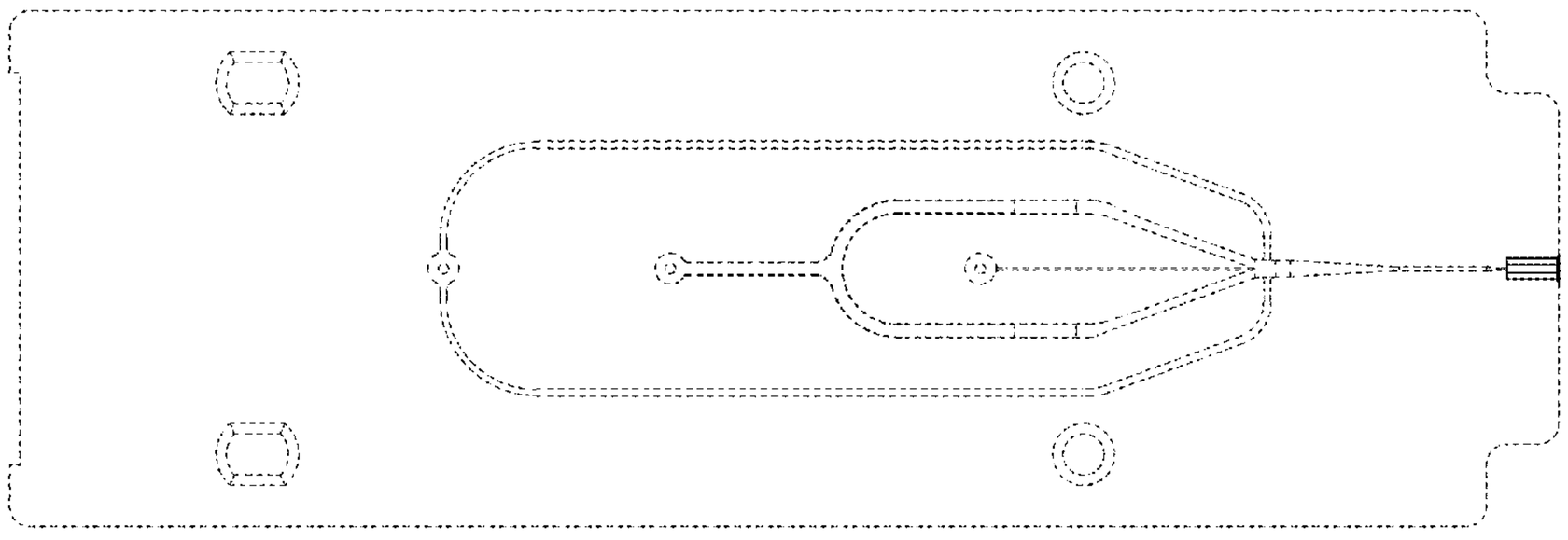
(57) **CLAIM**

The ornamental design for a micro flow channel chip, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of a micro flow channel chip for a flow cytometer showing our new design, a rear elevational view thereof being a mirror image;
FIG. **2** is a right side elevational view thereof, a left side elevational view being a mirror image; and
FIG. **3** is a top plan view thereof, a bottom plan view being a mirror image.
FIG. **4** is an enlarged perspective view thereof;
FIG. **5** is an enlarged top plan view thereof;
FIG. **6** is an enlarged front elevational view thereof; and
FIG. **7** is an enlarged right side elevational view thereof; and,
FIG. **8** is a reference cross sectional view thereof along the line **8-8** of FIG. **1**.
Portions in broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



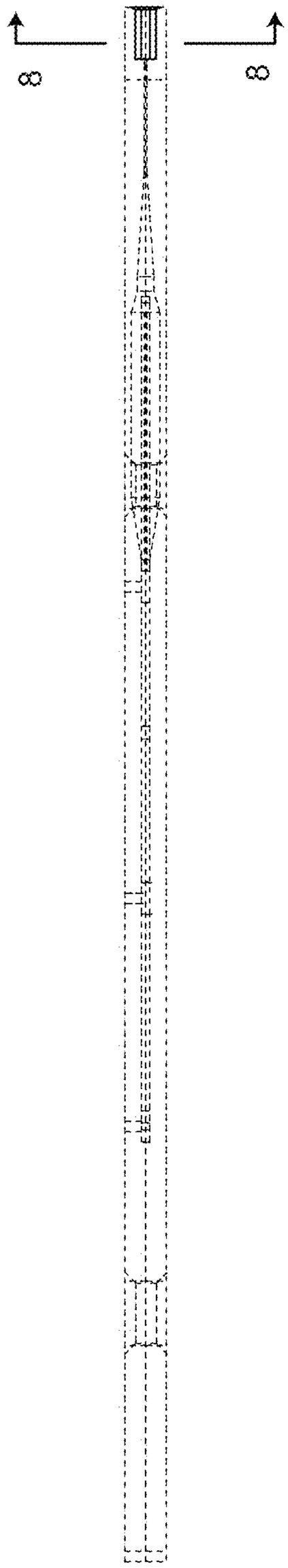


FIG.1

FIG.2

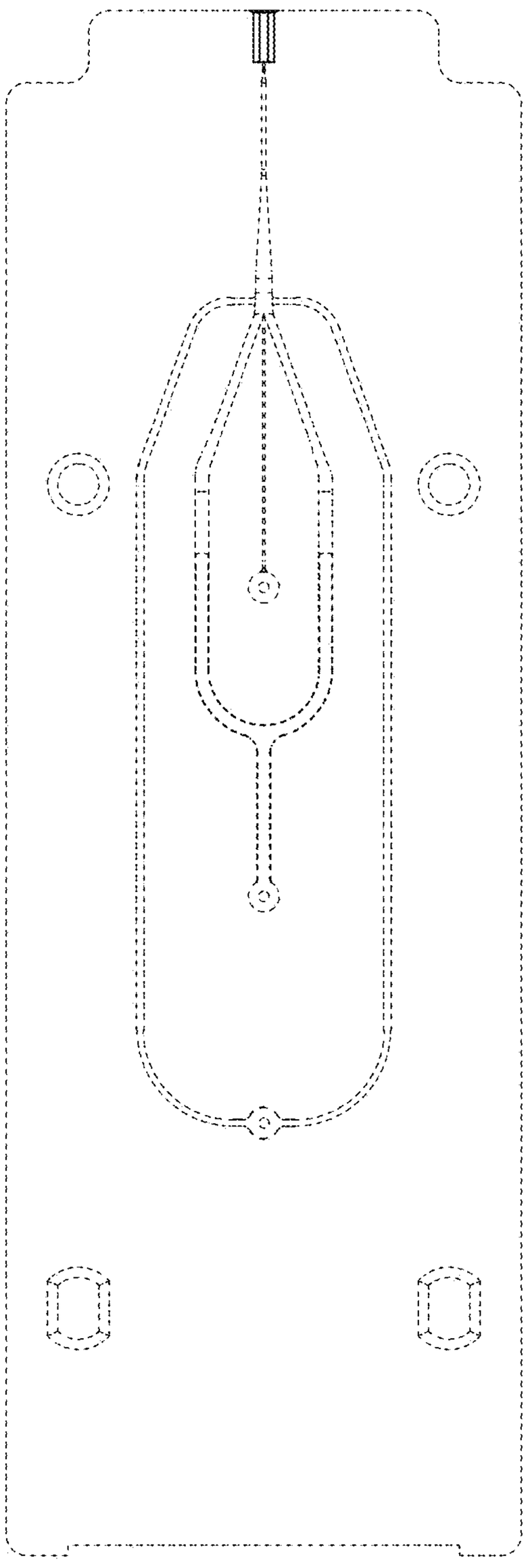


FIG.3

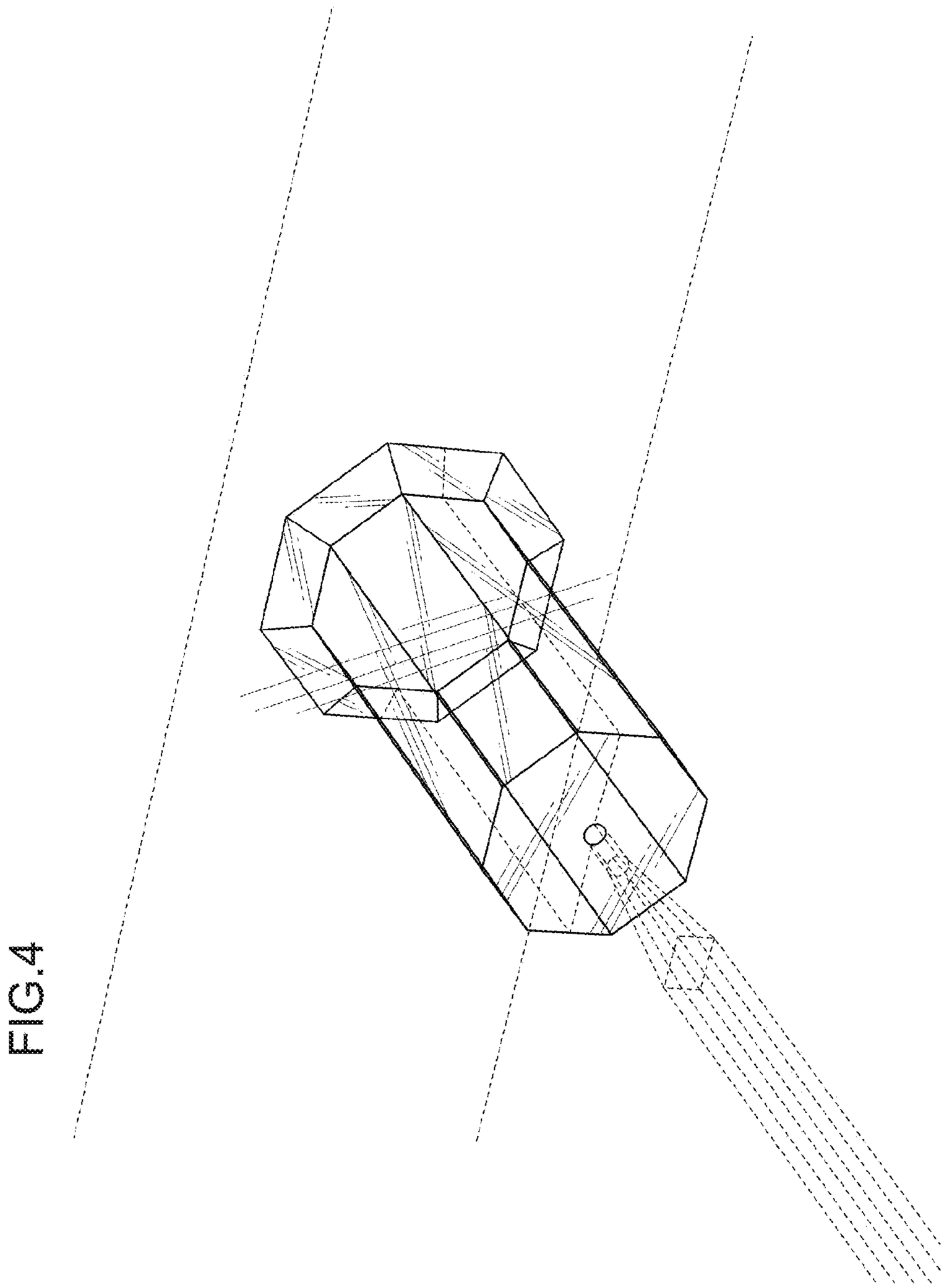
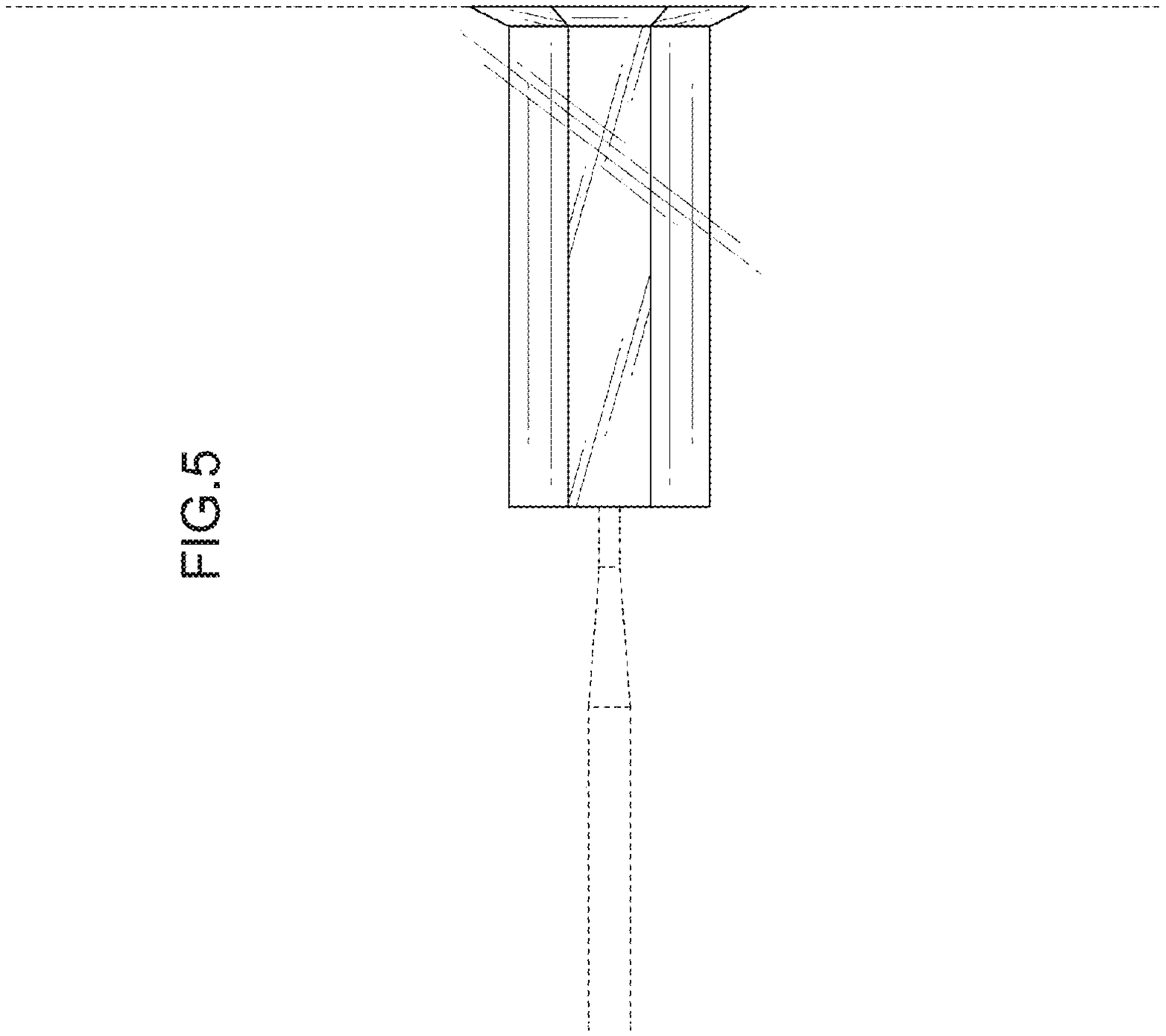


FIG.4

FIG.5



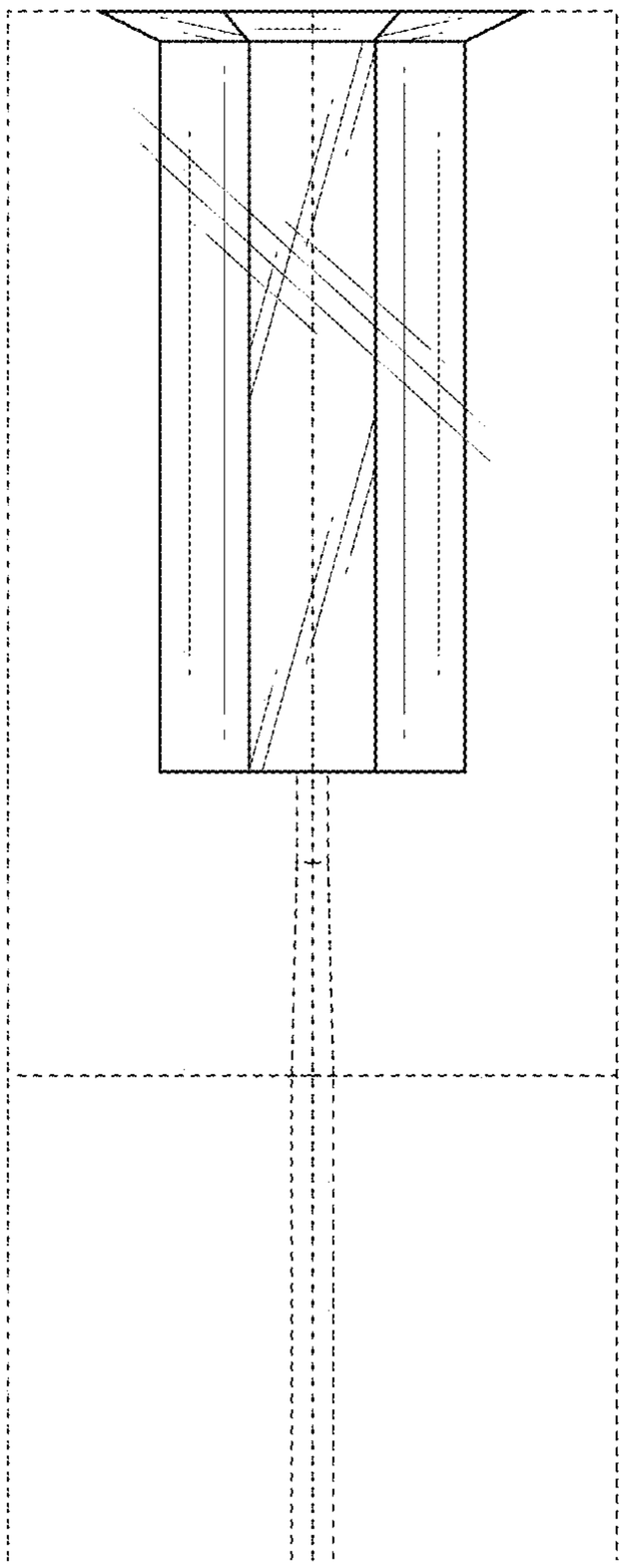


FIG.6

FIG.7

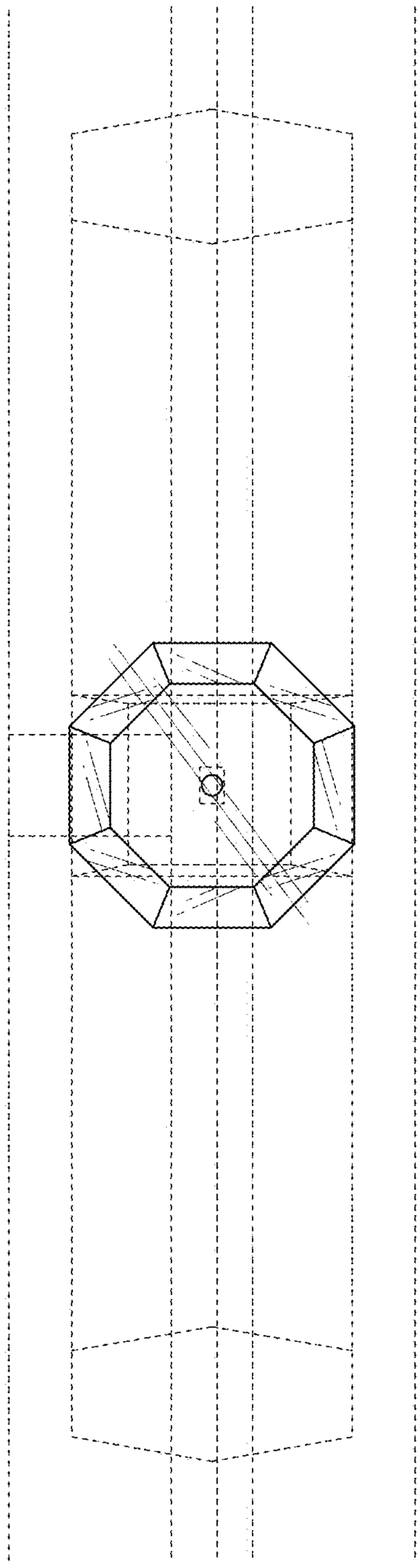


FIG.8