



US00D956279S

(12) **United States Design Patent** (10) **Patent No.:** **US D956,279 S**
Zhao (45) **Date of Patent:** **** Jun. 28, 2022**

(54) **LED LIGHT BULB STRING**

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(72) Inventor: **HongChun Zhao**, ShenZhen (CN)

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

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(51) **LOC (13) Cl.** **26-04**

(52) **U.S. Cl.**

USPC **D26/25**

(58) **Field of Classification Search**

USPC D26/24, 25, 42, 43, 61, 88, 107, 113,
D26/118, 119; D13/133

CPC F21S 4/00; F21S 4/10; F21S 4/15; F21S
4/20; F21S 4/22; F21S 4/24; F21S 4/26;
F21S 8/00; F21S 8/06; F21S 8/063; F21S
2/00; F21S 2/005; F21V 21/00; F21V
21/02; F21V 21/008; F21V 19/00; F21V
19/008; F21V 15/00; F21V 15/01; F21Y
2103/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D243,933 S * 4/1977 Johns D10/111
6,371,637 B1 4/2002 Atchinson et al.
6,566,824 B2 5/2003 Panagotacos et al.
D720,307 S 12/2014 Freeman
D768,892 S * 10/2016 Lockart D26/25
9,559,267 B2 1/2017 Amo et al.
D825,793 S 8/2018 McKinven
D843,612 S 3/2019 Hodohara et al.
D844,183 S 3/2019 Nakanishi
D844,576 S 4/2019 Miura
D858,809 S 9/2019 Kang
D863,060 S 10/2019 Ou
D863,606 S * 10/2019 Ou D26/1

10,454,009 B2 * 10/2019 Altamura F21S 4/10
D873,445 S 1/2020 Chen
D888,293 S 6/2020 Xie

(Continued)

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(57) **CLAIM**

The ornamental design for a LED light bulb string, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view from above of a LED light bulb string showing my new design, with area 9 further enlarged for illustrating details in FIG. 9;

FIG. 2 is a perspective view from below thereof, with area 10 further enlarged for illustrating details in FIG. 10;

FIG. 3 is a top view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is left side view thereof, with area 11 further enlarged for illustrating details in FIG. 11;

FIG. 6 is a right side view thereof, with area 12 further enlarged for illustrating details in FIG. 12;

FIG. 7 is a back view thereof;

FIG. 8 is a front view thereof;

FIG. 9 is an enlarged detailed perspective view of area 9 in FIG. 1;

FIG. 10 is an enlarged detailed perspective view of area 10 in FIG. 2;

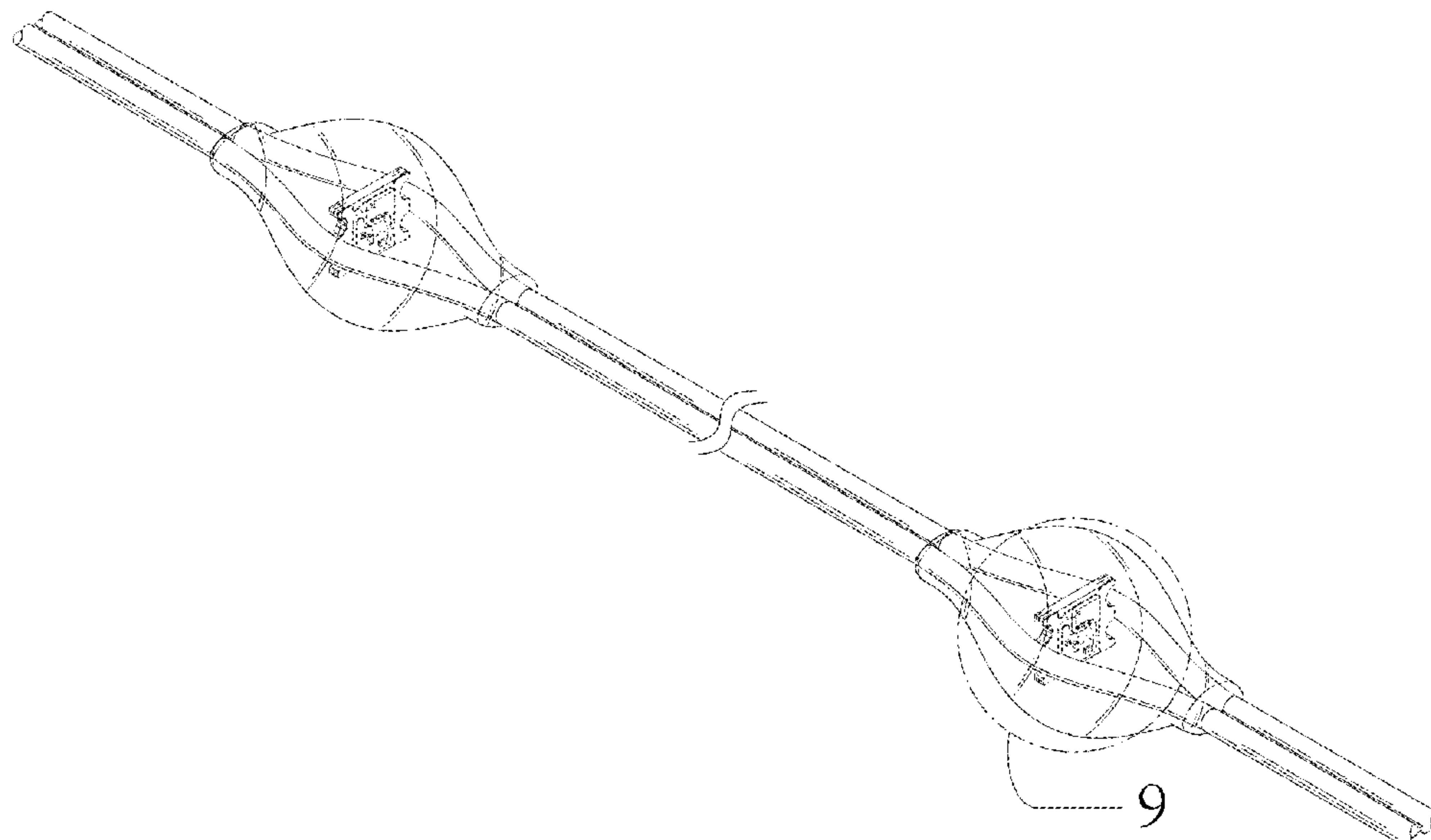
FIG. 11 is an enlarged detailed left side view of area 11 in FIG. 5; and,

FIG. 12 is an enlarged detailed right side view of area 12 in FIG. 6.

Broken lines showing in the drawings are for purpose of illustrating environment structure and form no part of the claimed design.

The LED light bulb string is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 12 Drawing Sheets



References Cited

D900,356	S	*	10/2020	Zhu	D26/25
D932,669		*	10/2021	Zhao	D26/25
2012/0039070	A1	*	2/2012	Shen	F21S 4/10 362/103
2015/0369464	A1	*	12/2015	Chang	F21S 4/10 362/219
2016/0293813	A1		10/2016	Aruga et al.	
2016/0341408	A1	*	11/2016	Altamura	F21S 4/10
2017/0023223	A1	*	1/2017	Tsai	F21V 23/003
2017/0084803	A1		3/2017	Iwaki	
2018/0340676	A1		11/2018	Tsai	
2021/0262624	A1	*	8/2021	Tsai	H05B 45/40

* cited by examiner

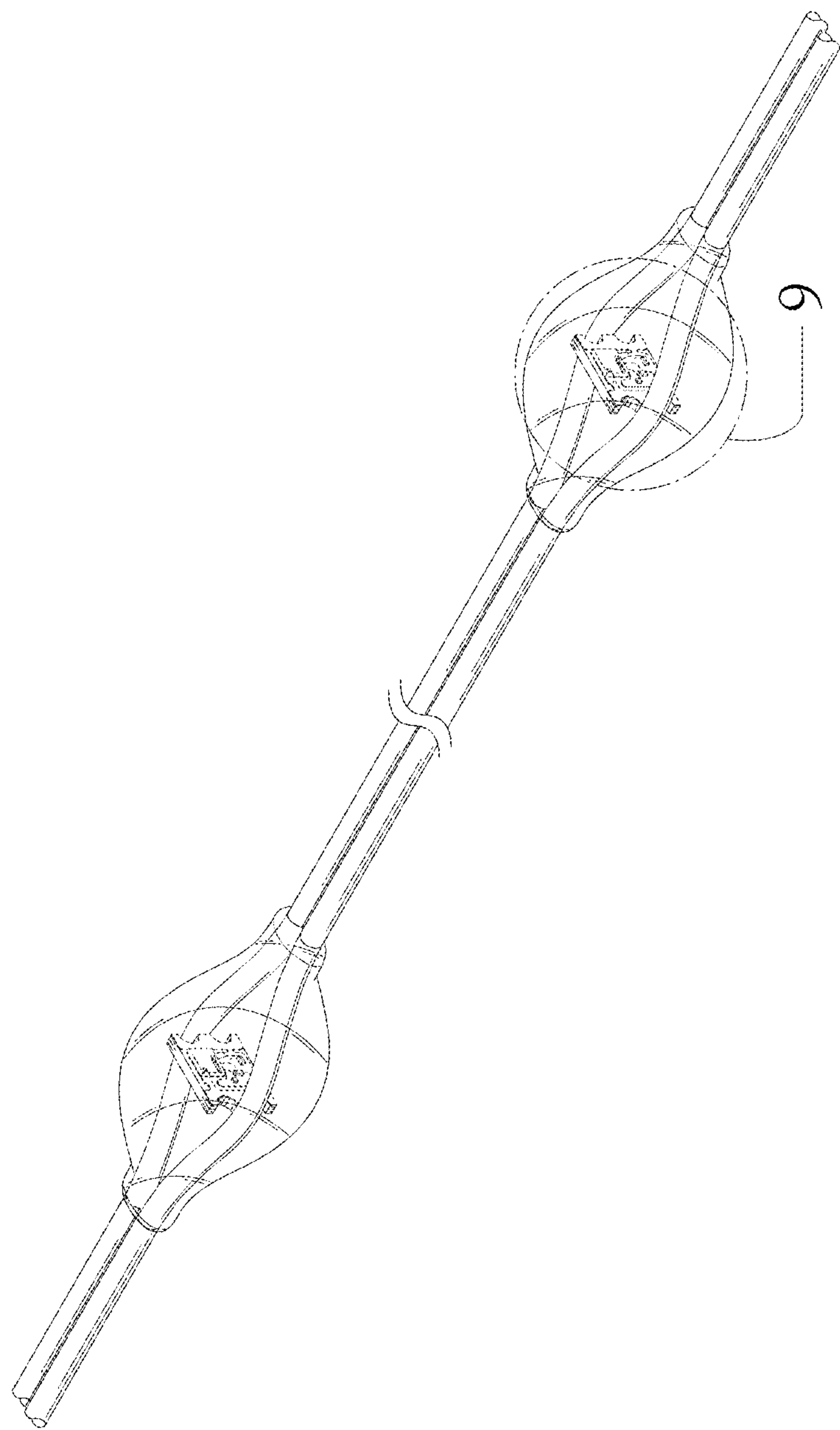


FIG.1

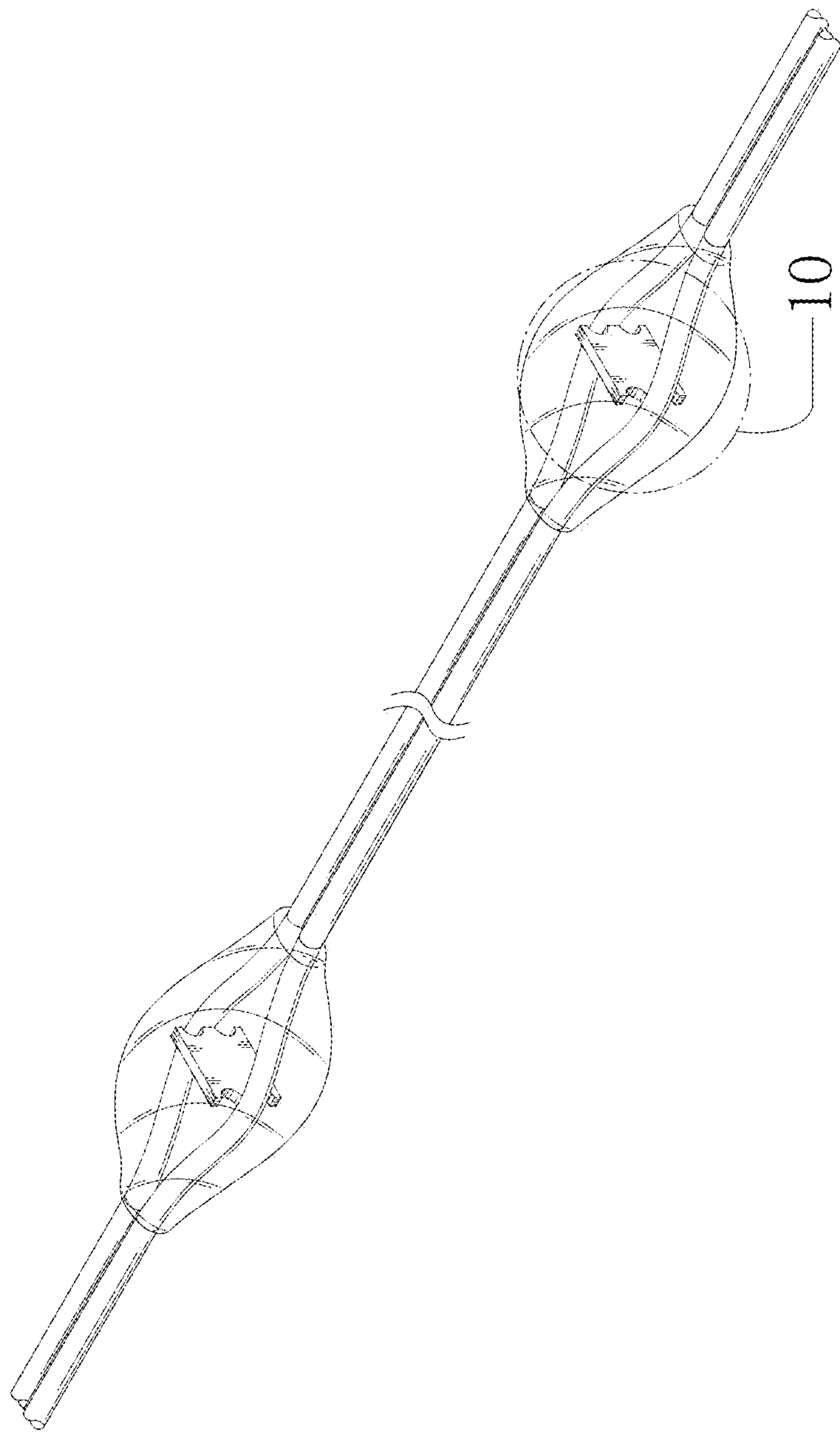


FIG.2

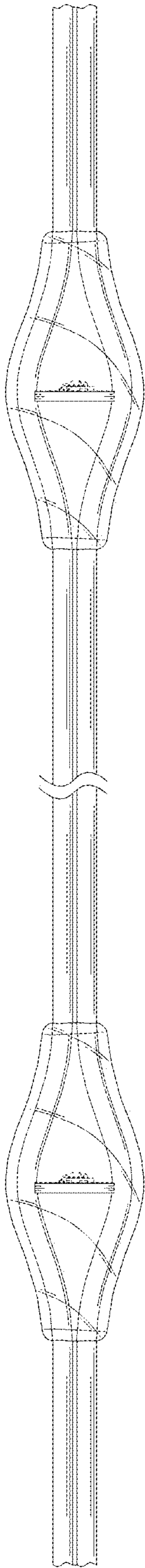


FIG.3

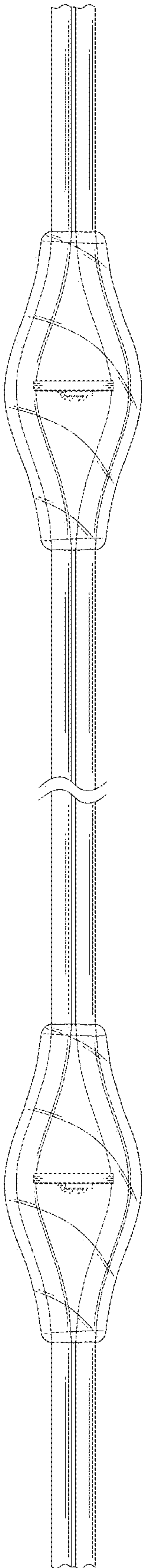


FIG.4

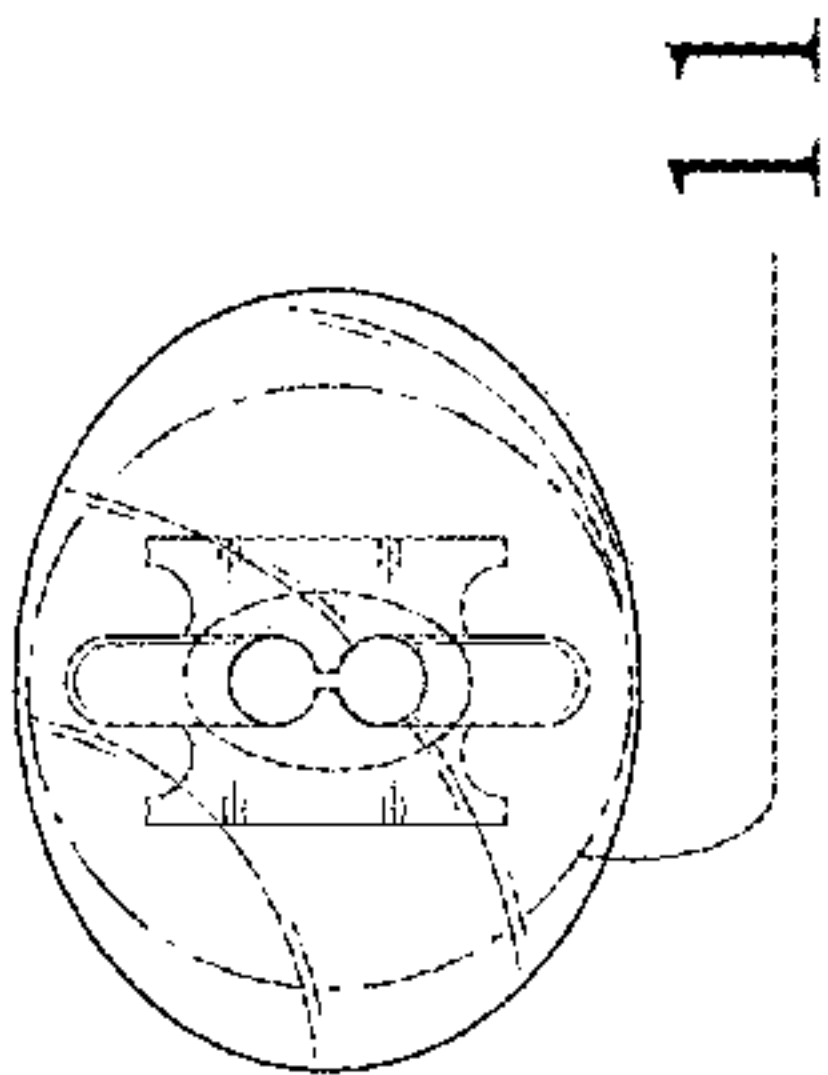


FIG.5

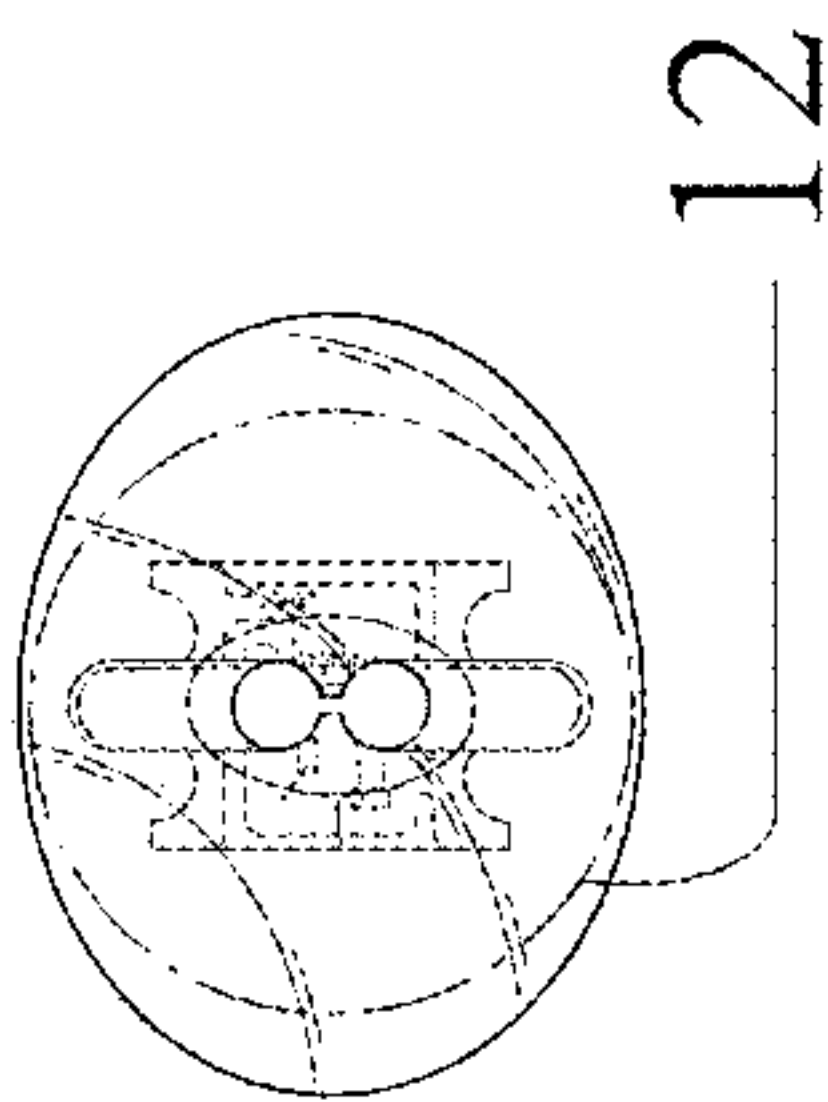


FIG.6

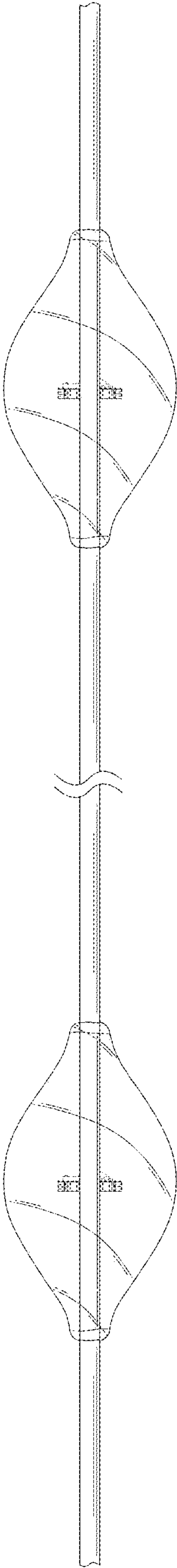


FIG.7

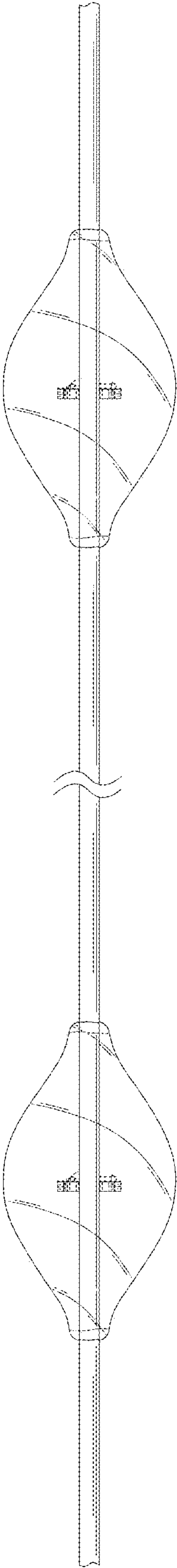


FIG.8

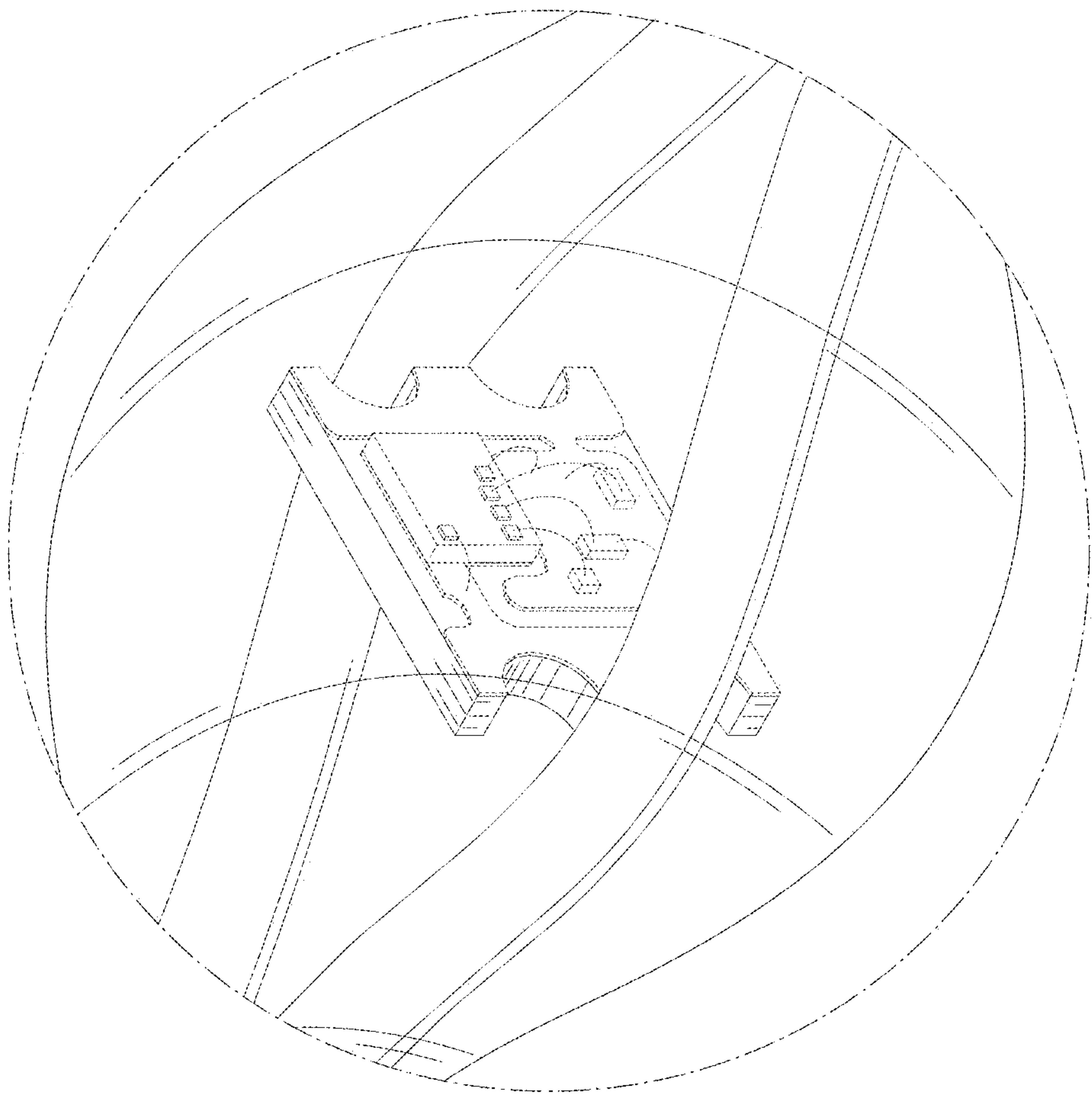


FIG. 9

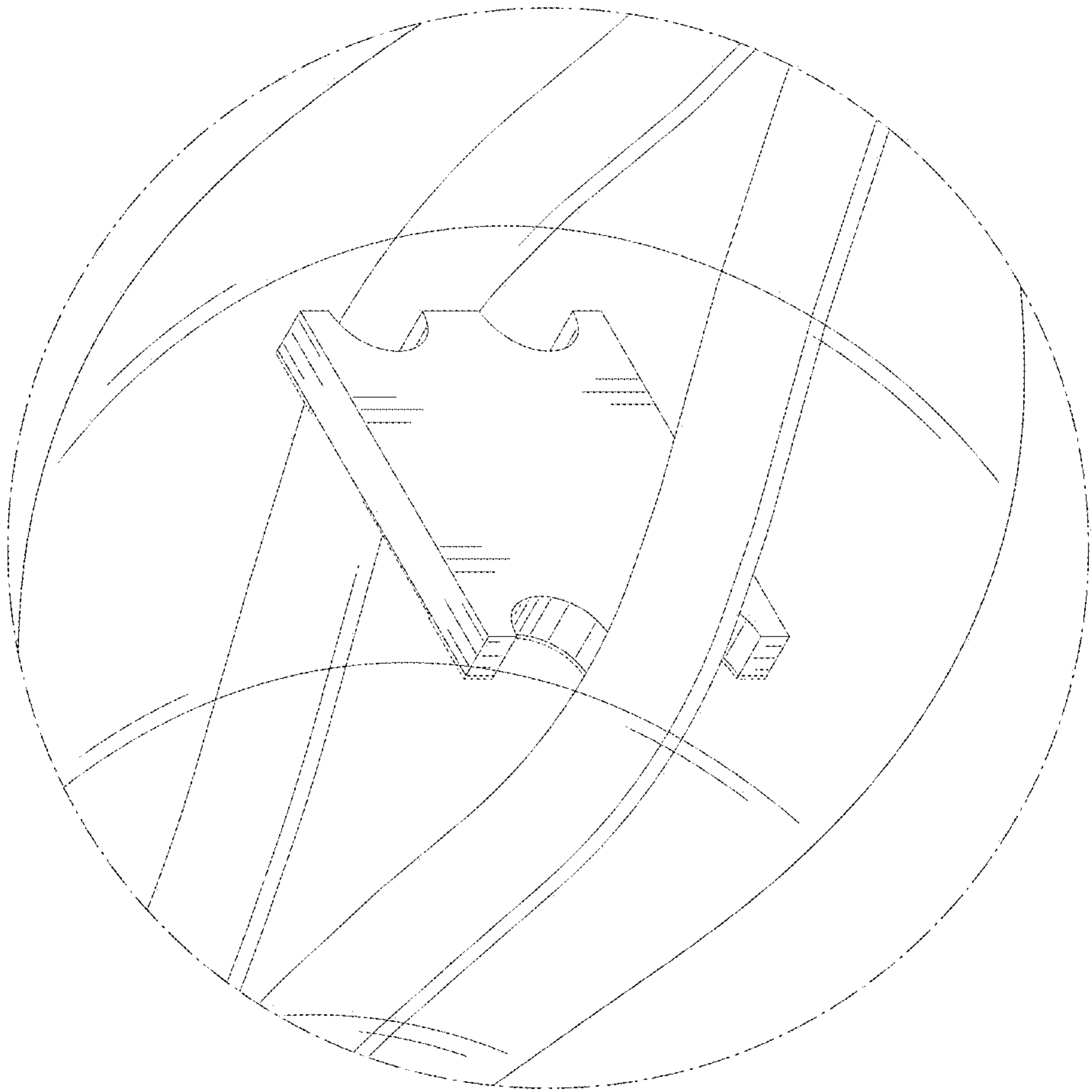


FIG.10

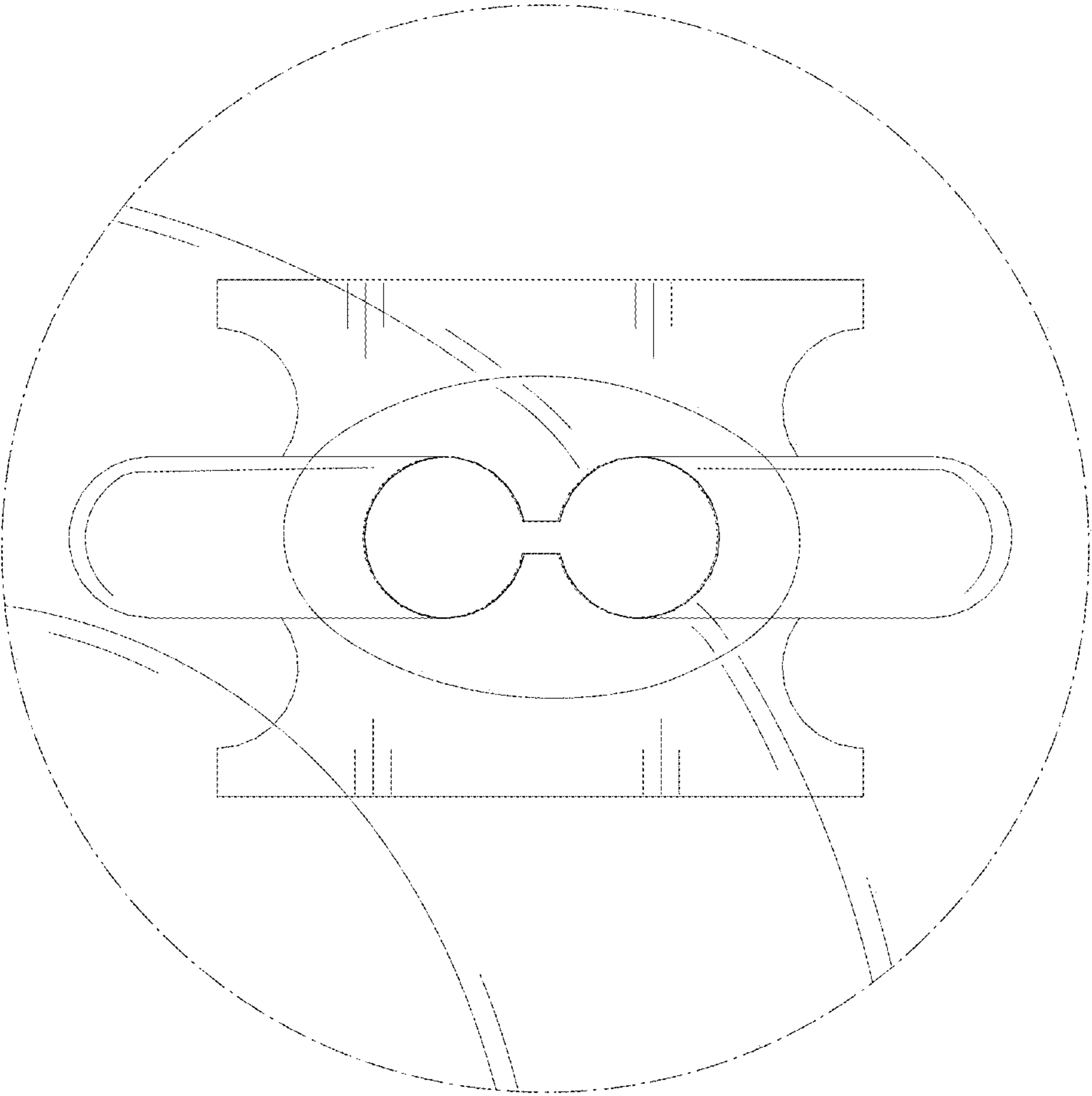


FIG.11

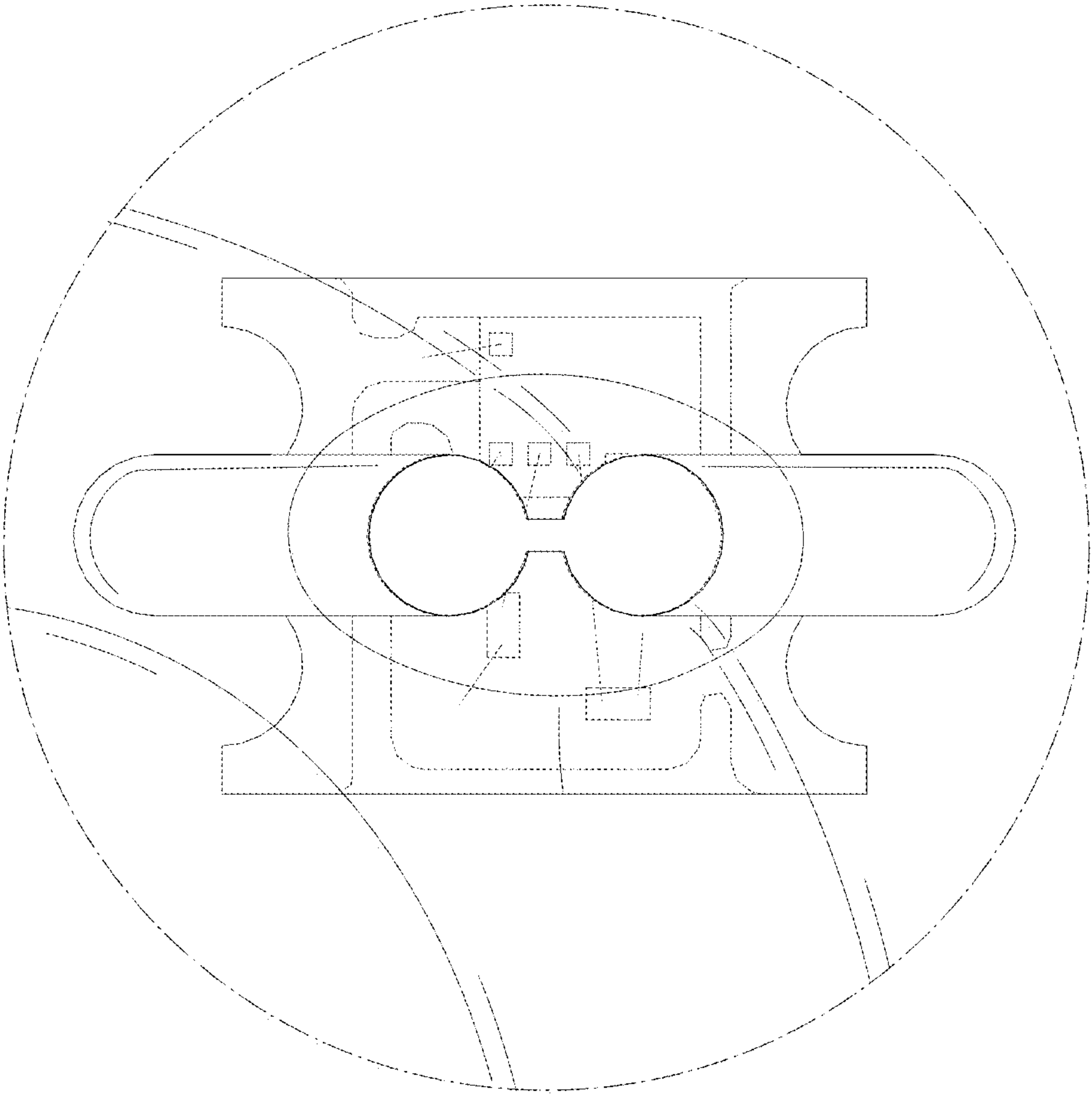


FIG.12