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

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(54) **SONOTRODE**

(56) **References Cited**

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(73) Assignee: **TELSONIC HOLDING AG**,  
Bronschhofen (CH)

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

(21) Appl. No.: **29/421,005**

(22) Filed: **May 3, 2012**

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(30) **Foreign Application Priority Data**

EM	001942251-0001	*	11/2011
EM	001942251-0004	*	11/2011

Nov. 3, 2011 (EM) ..... 001942251

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(51) **LOC (10) CL.** ..... **15-09**

*Primary Examiner* — Deanna L Pratt

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

(74) *Attorney, Agent, or Firm* — Manabu Kanosaka

USPC ..... **D15/144**

CPC ..... **H01T 13/02** (2013.01); **H01T 13/00**  
(2013.01)

(57) **CLAIM**

The ornamental design for a sonotrode, as shown and described.

(58) **Field of Classification Search**

**DESCRIPTION**

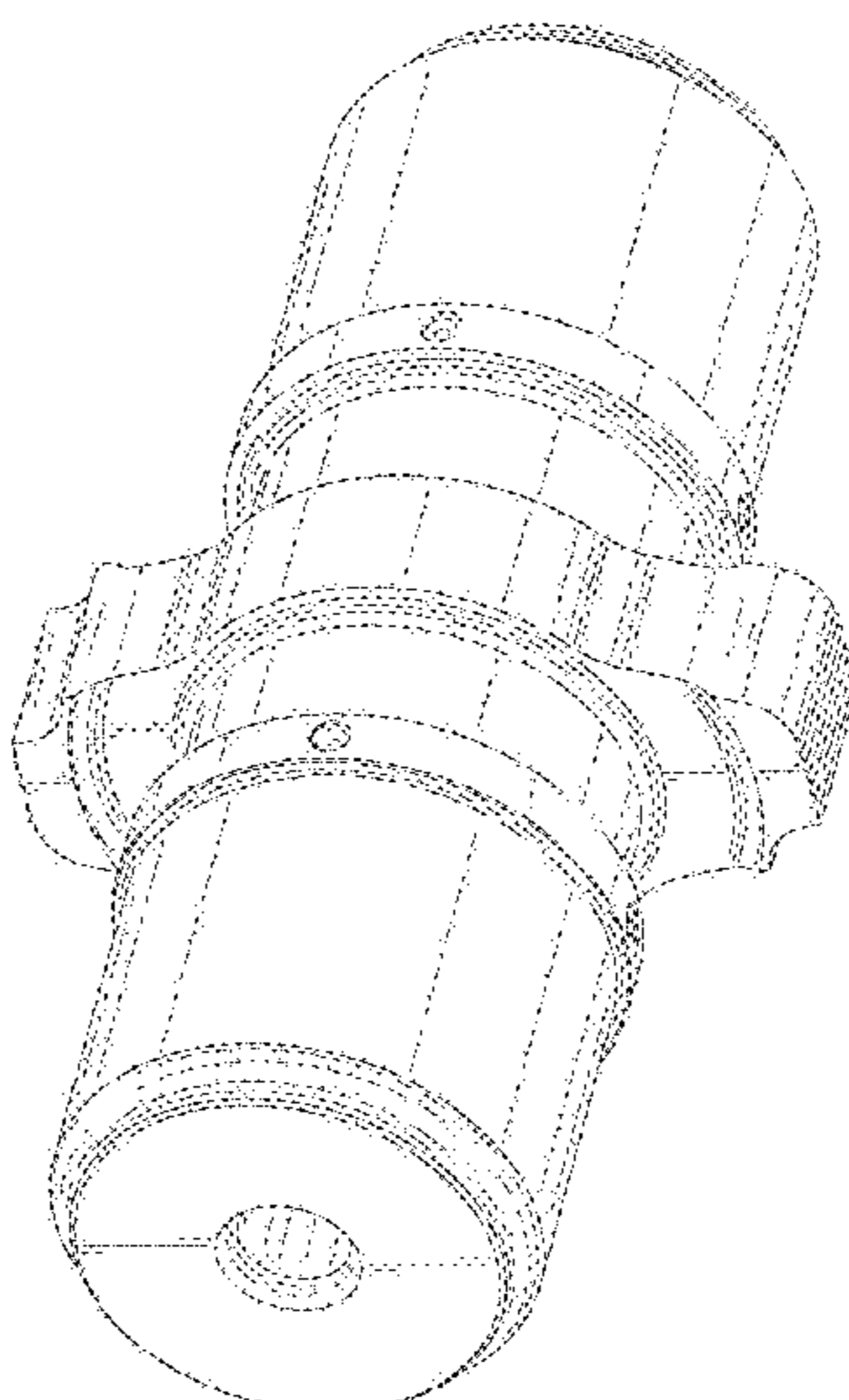
USPC ..... 156/73.1, 73.3, 580.1, 580.2; 181/139,  
181/142; 209/346, 365.1; 228/1.1, 110.1;  
310/323.19, 325; 333/145; 604/22;  
D15/144–144.2

CPC ..... B01J 19/008; B01J 19/10; B06B 1/00;  
B06B 3/00; B06B 2201/72; B23K 1/06;  
B23K 20/10; B23K 20/106; B29C 65/08;  
H01L 24/78; H01L 2224/48; H01L 2224/78;  
H01L 2924/00014; H01L 2924/01005; H01L  
2924/01006; H01L 2924/01013; H01L  
2924/01033; H01L 2924/01039; H01L  
2924/01082

FIG. 1 is a perspective view of a sonotrode showing my new design;  
FIG. 2 is a bottom view thereof, a plan view being symmetrical to the front view;  
FIG. 3 is a front view thereof, a rear view being identical to the front view;  
FIG. 4 is a right side view thereof, a left view being identical to the right side view;  
FIG. 5 is a cross-sectional view thereof taken along line 5-5 in FIG. 3; and,  
FIG. 6 is a cross-sectional view thereof taken along line 6-6 in FIG. 4.

See application file for complete search history.

**1 Claim, 6 Drawing Sheets**



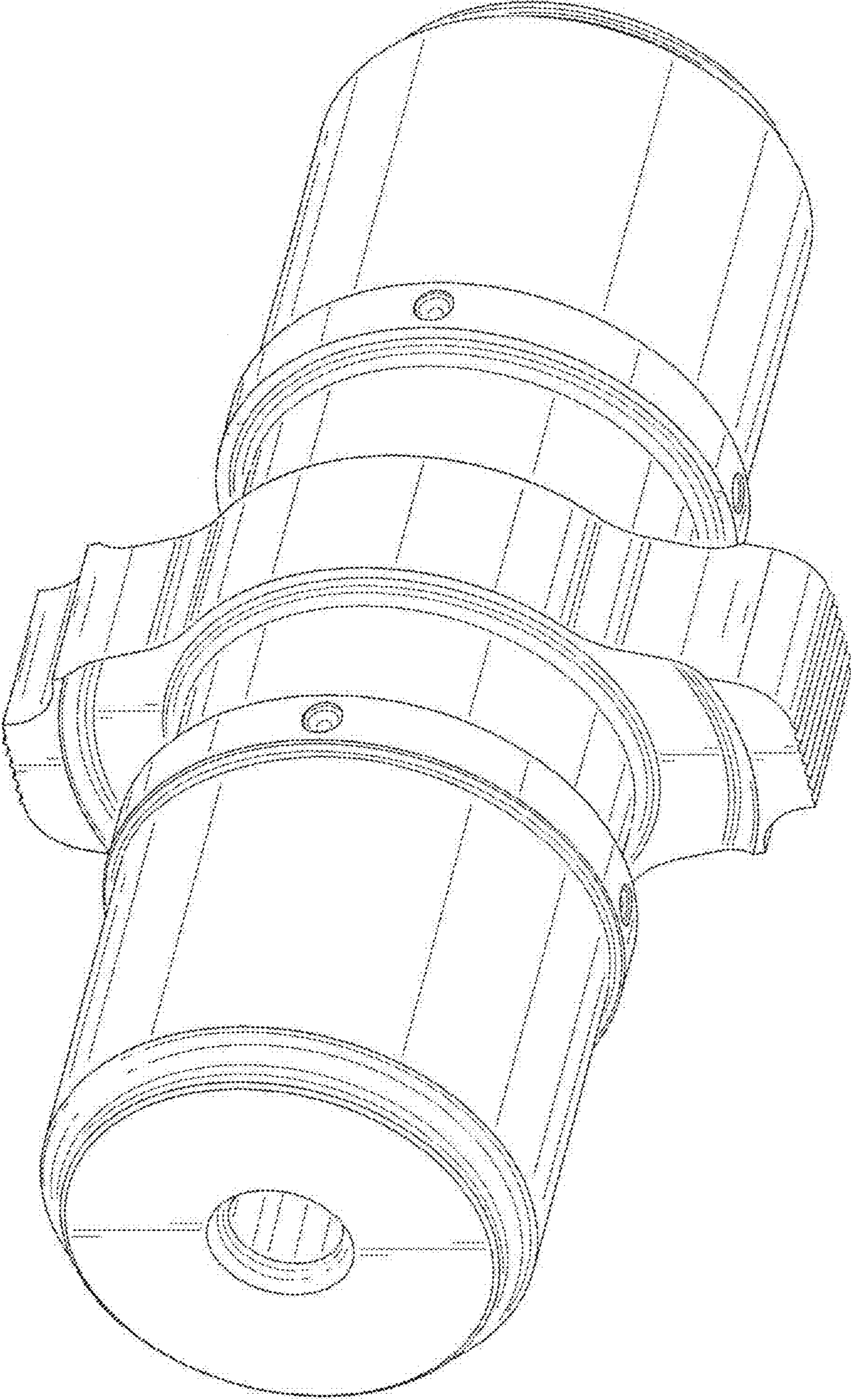


FIG. 1

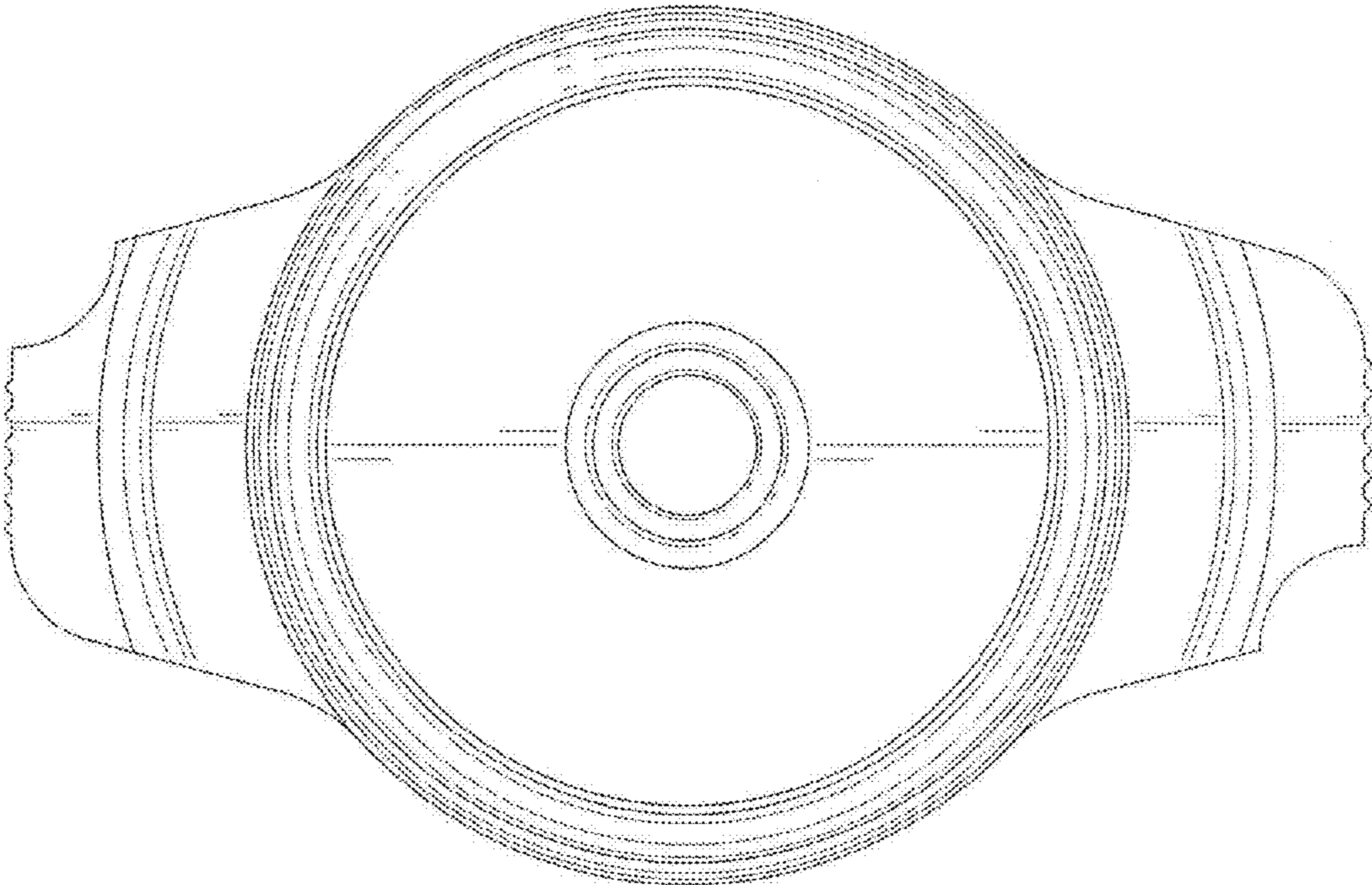


FIG. 2



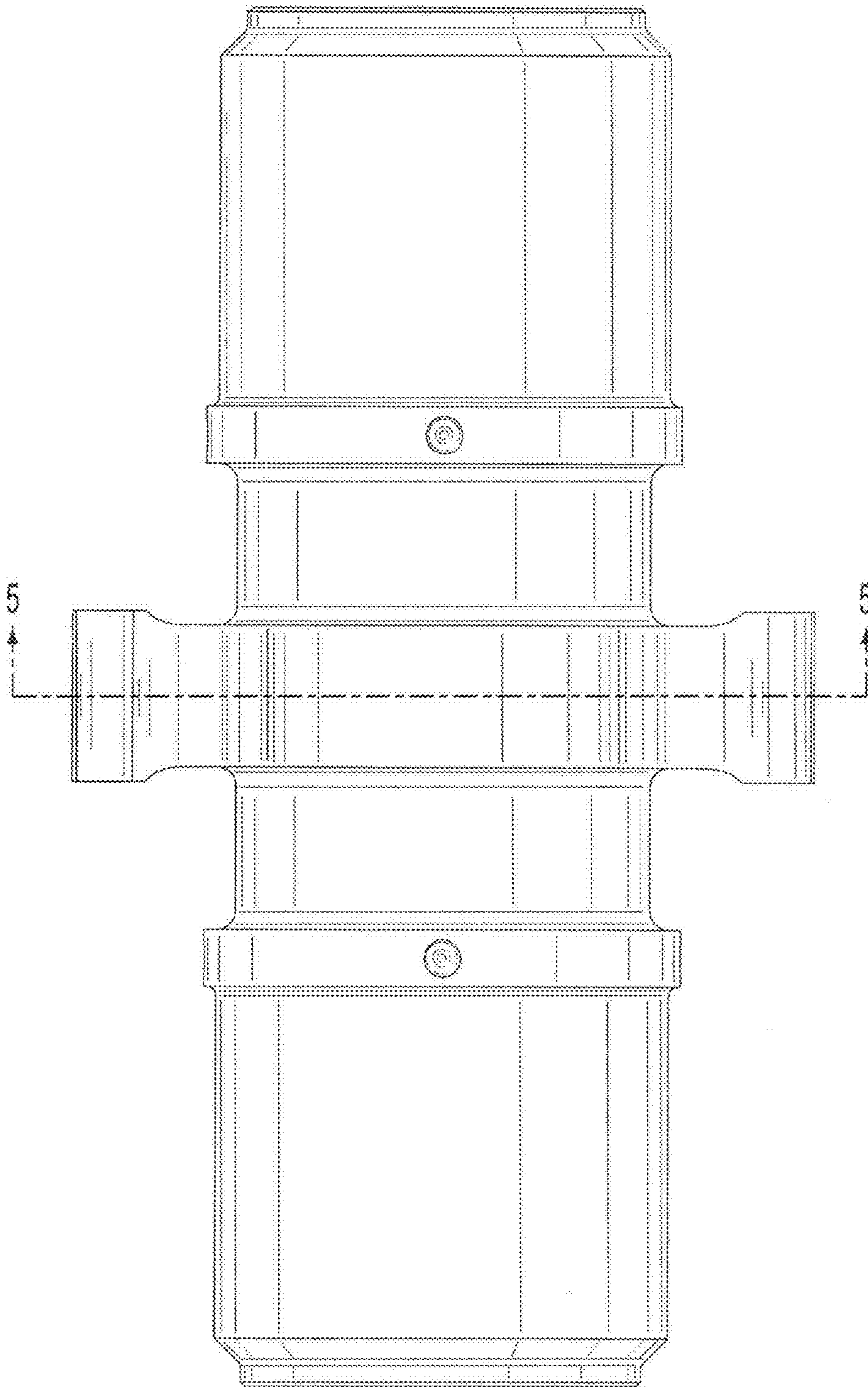


FIG. 3

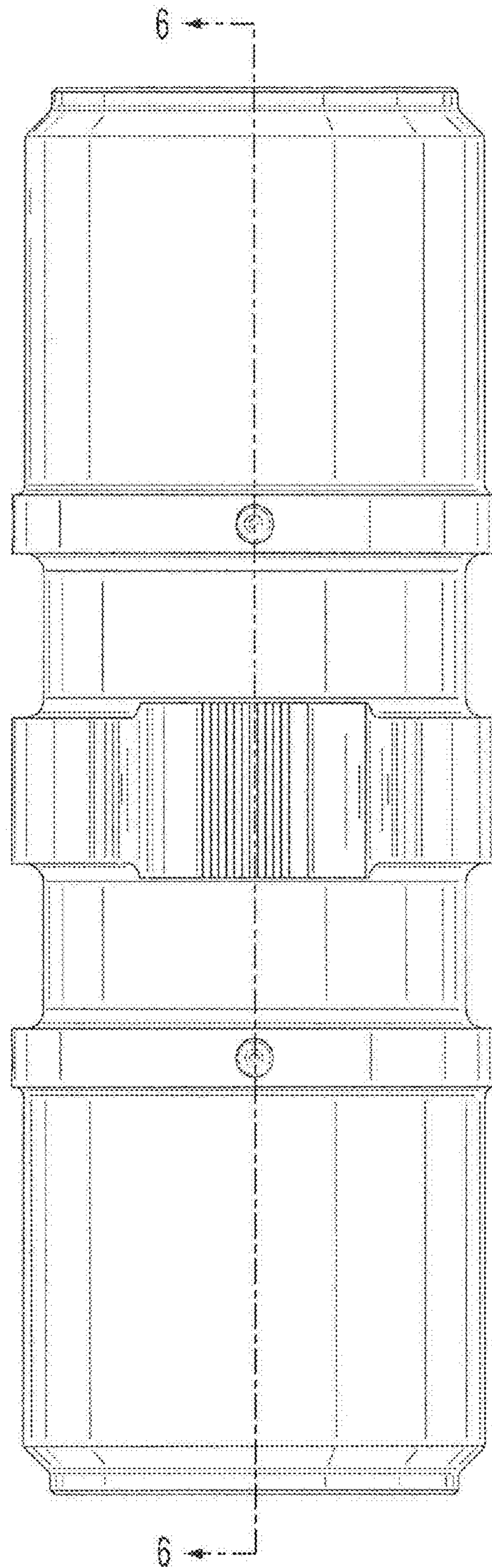


FIG. 4

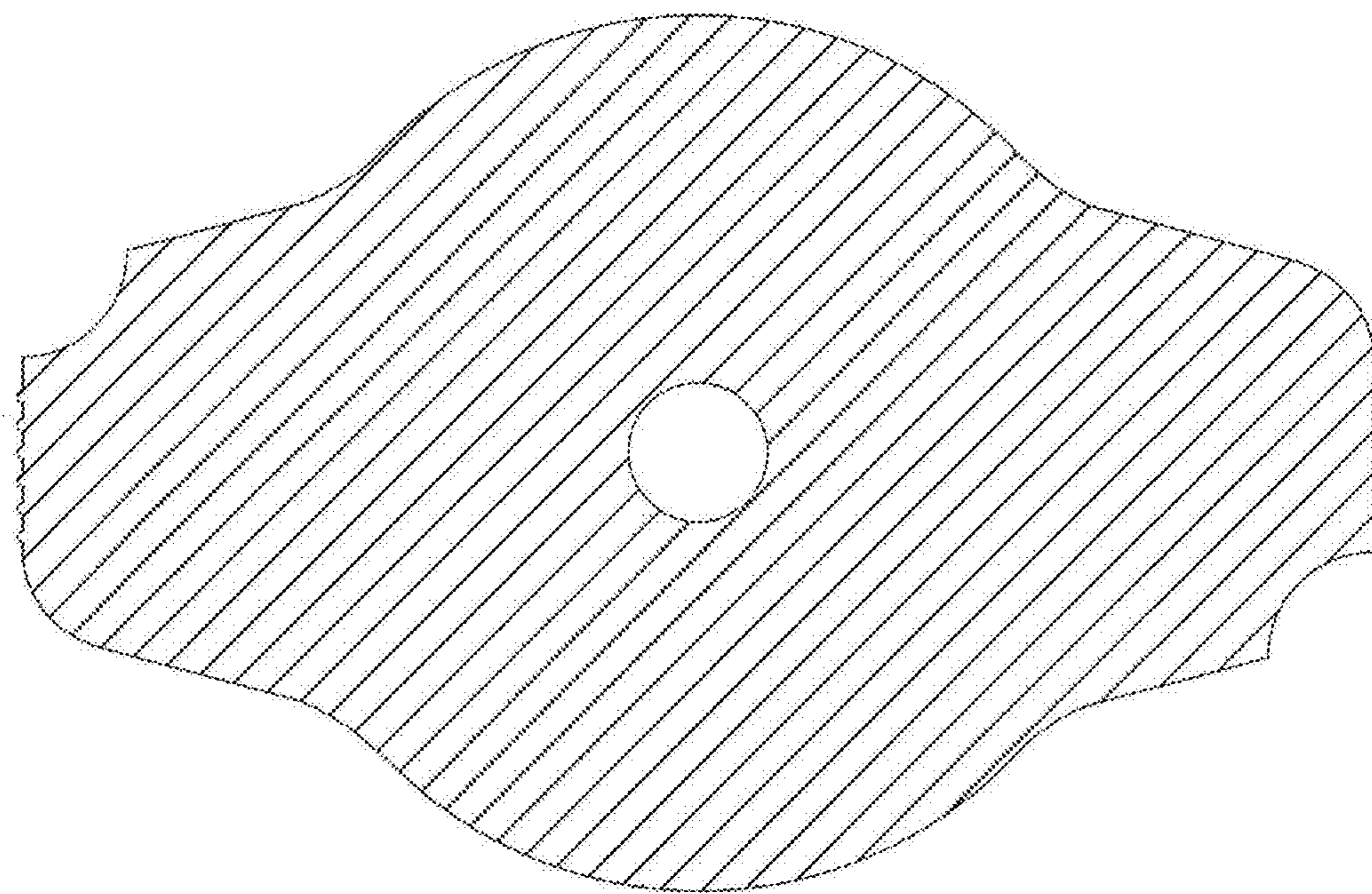


FIG. 5



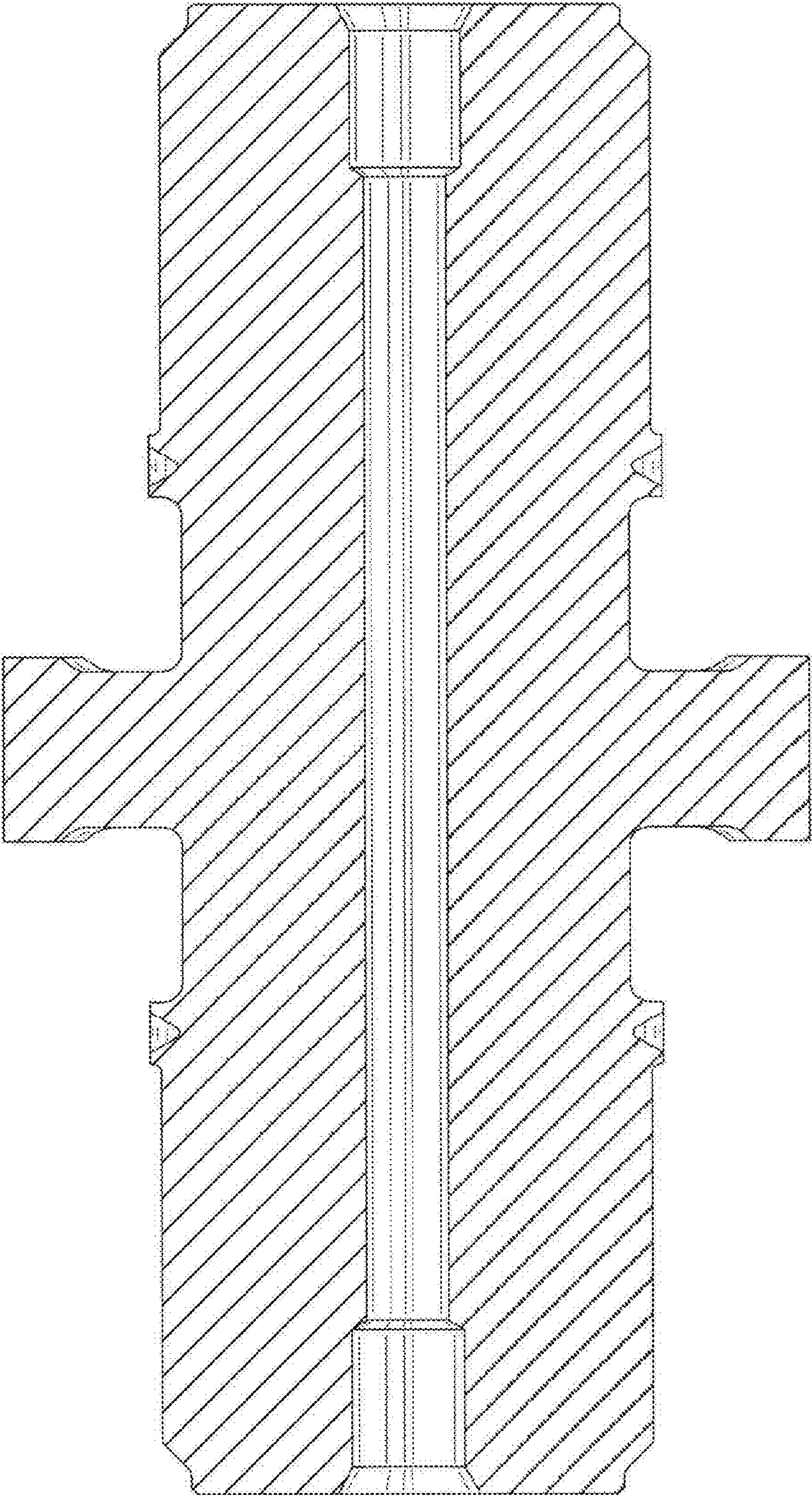


FIG. 6