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(12) **United States Design Patent** (10) **Patent No.:** **US D982,407 S**
Paoli (45) **Date of Patent:** **** Apr. 4, 2023**

(54) **IMPACT TOOL COMPONENT**
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(**) Term: **15 Years**
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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
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(58) **Field of Classification Search**
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D8/70, 85; D21/532
CPC B25B 27/10; B25B 27/026; B25B 27/146;
B21D 37/10; B21D 39/048; B23D 29/00;
B23D 29/002; B23D 27/04; B23D
35/002; B25F 5/021
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D319,565 S * 9/1991 Krogsgaard D15/138
D460,469 S * 7/2002 Yue D15/140
D474,954 S * 5/2003 Kim D15/126
6,796,888 B2 * 9/2004 Jasch B23D 61/025
451/511
6,802,764 B2 * 10/2004 Besch B26B 7/00
30/340
6,945,862 B2 * 9/2005 Jasch B23D 61/006
451/511

7,273,412 B1 * 9/2007 Sun B24D 13/20
451/526
7,556,401 B2 * 7/2009 Smith B23D 59/003
362/253
D623,034 S * 9/2010 Evatt D8/70
D633,769 S * 3/2011 Evatt D8/70
(Continued)

FOREIGN PATENT DOCUMENTS

EM 001883646-00001 6/2011
EM 005405008-0001 4/2018
(Continued)

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PC

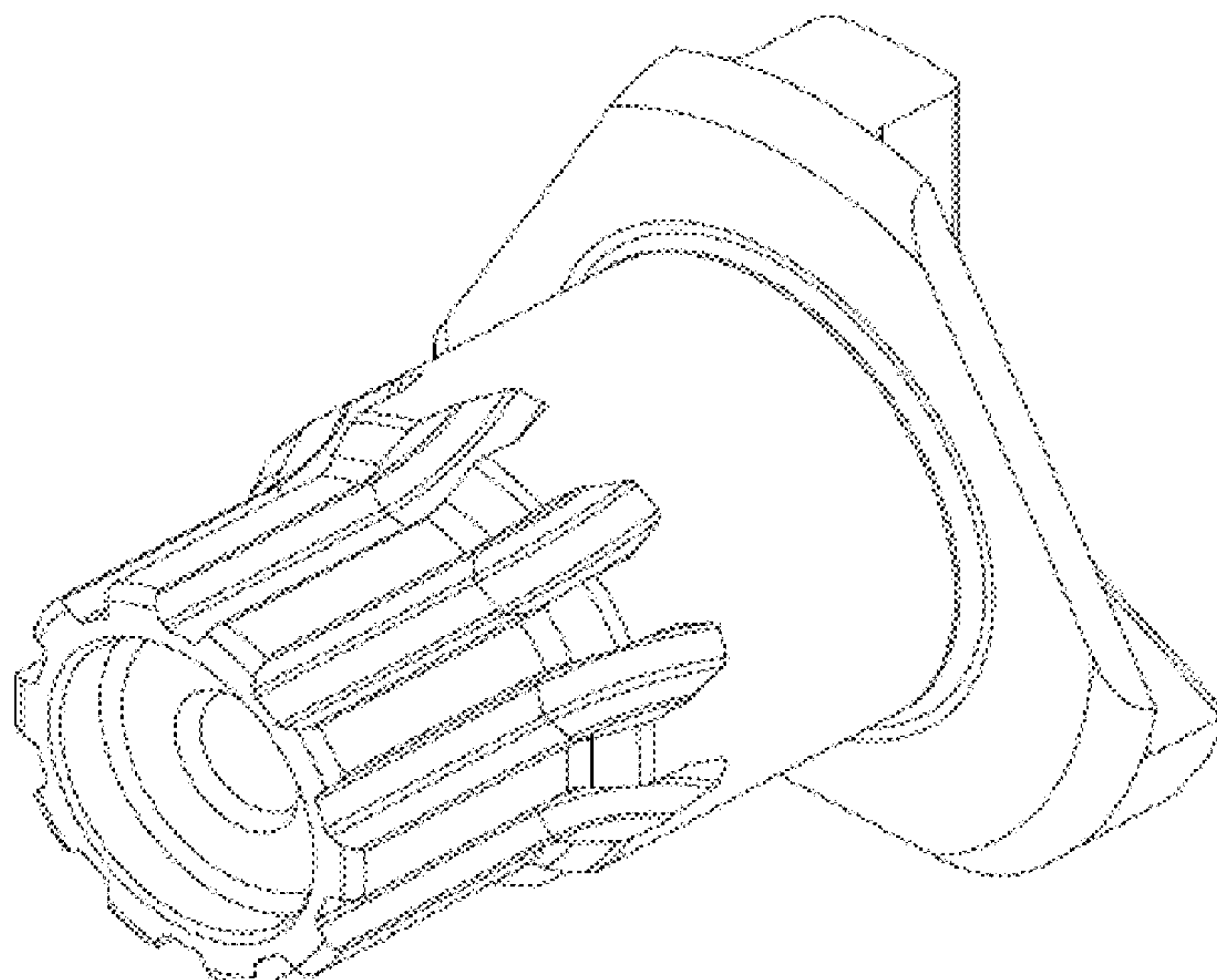
(57) **CLAIM**

The ornamental design for an impact tool component, as shown.

DESCRIPTION

FIG. 1 is a front perspective view of an impact tool component according to my invention;
FIG. 2 is a rear perspective view of the component of FIG. 1;
FIG. 3 is a front elevation view of the component of FIG. 1
FIG. 4 is a rear elevation view of the component of FIG. 1;
FIG. 5 is a right side elevation view of the component of FIG. 1;
FIG. 6 is a sectional view taken along line 6-6 of FIG. 3; and,
FIG. 7 is an exploded side elevation view of component of FIG. 1 as part of an impact tool.
The broken line showings of the impact tool and auxiliary head attachments are provided for the purpose of illustrating environmental structures and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D646,542 S *	10/2011	Wackwitz	D8/70
D653,523 S *	2/2012	Wackwitz	D15/138
D665,242 S *	8/2012	Wackwitz	D15/140
8,366,356 B2 *	2/2013	Novak	B23B 51/0473
			408/239 R
D684,028 S	6/2013	Costoli	
D714,119 S *	9/2014	Graber	D8/70
D719,199 S *	12/2014	Kurusu	D15/138
D719,591 S *	12/2014	Kurusu	D15/138
8,915,499 B2 *	12/2014	Kaye, Jr.	B27B 19/006
			83/835
9,022,703 B2 *	5/2015	Keightley	B23B 51/0473
			408/239 R
RE46,103 E *	8/2016	Novak	B23B 51/04
D802,391 S *	11/2017	Cuzdey	D8/70
D811,843 S *	3/2018	Matsui	D8/70
10,265,778 B2 *	4/2019	Kaye, Jr.	B24B 23/04
D853,217 S	7/2019	Paoli	
D871,875 S	1/2020	Paoli	
2003/0217743 A1 *	11/2003	Gardner	B24D 5/16
			125/13.01

FOREIGN PATENT DOCUMENTS

EM	005405008-0002	4/2018
EM	005286994-0001	5/2018
EM	005286994-0002	5/2018
EM	007146774-0001	10/2019
EM	007146774-0002	10/2019
EM	007146774-0003	10/2019

* cited by examiner

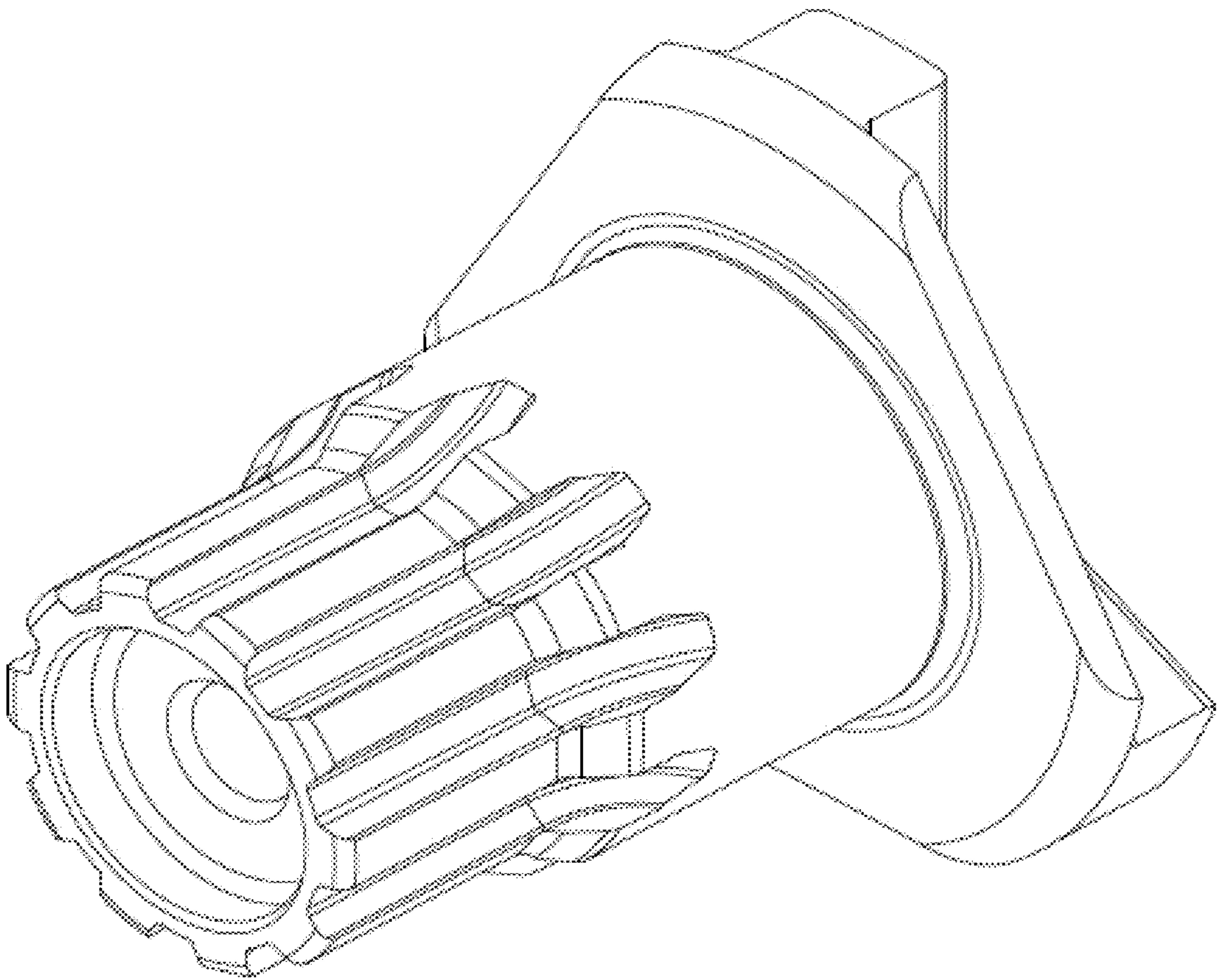


FIG. 1

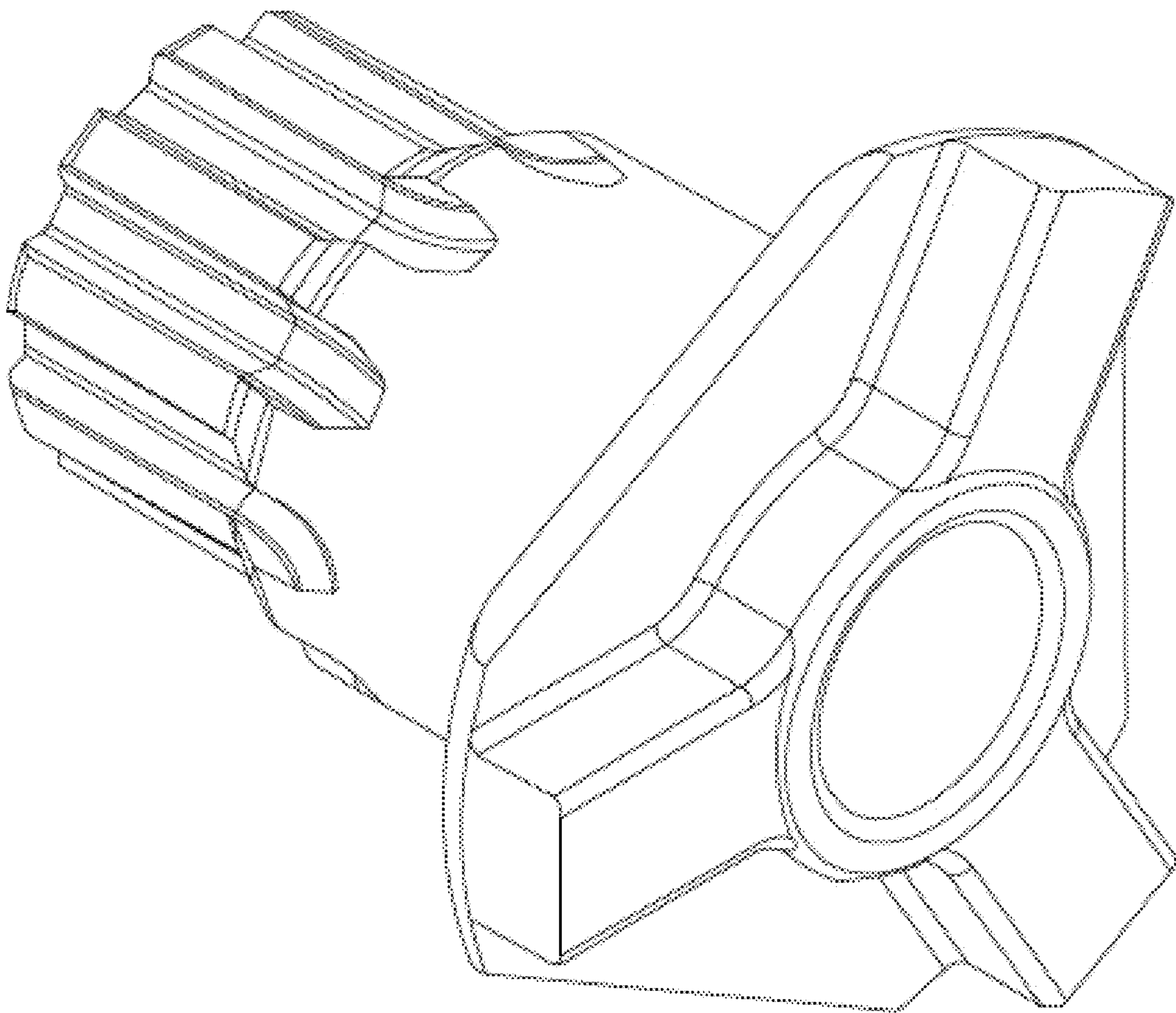


FIG. 2

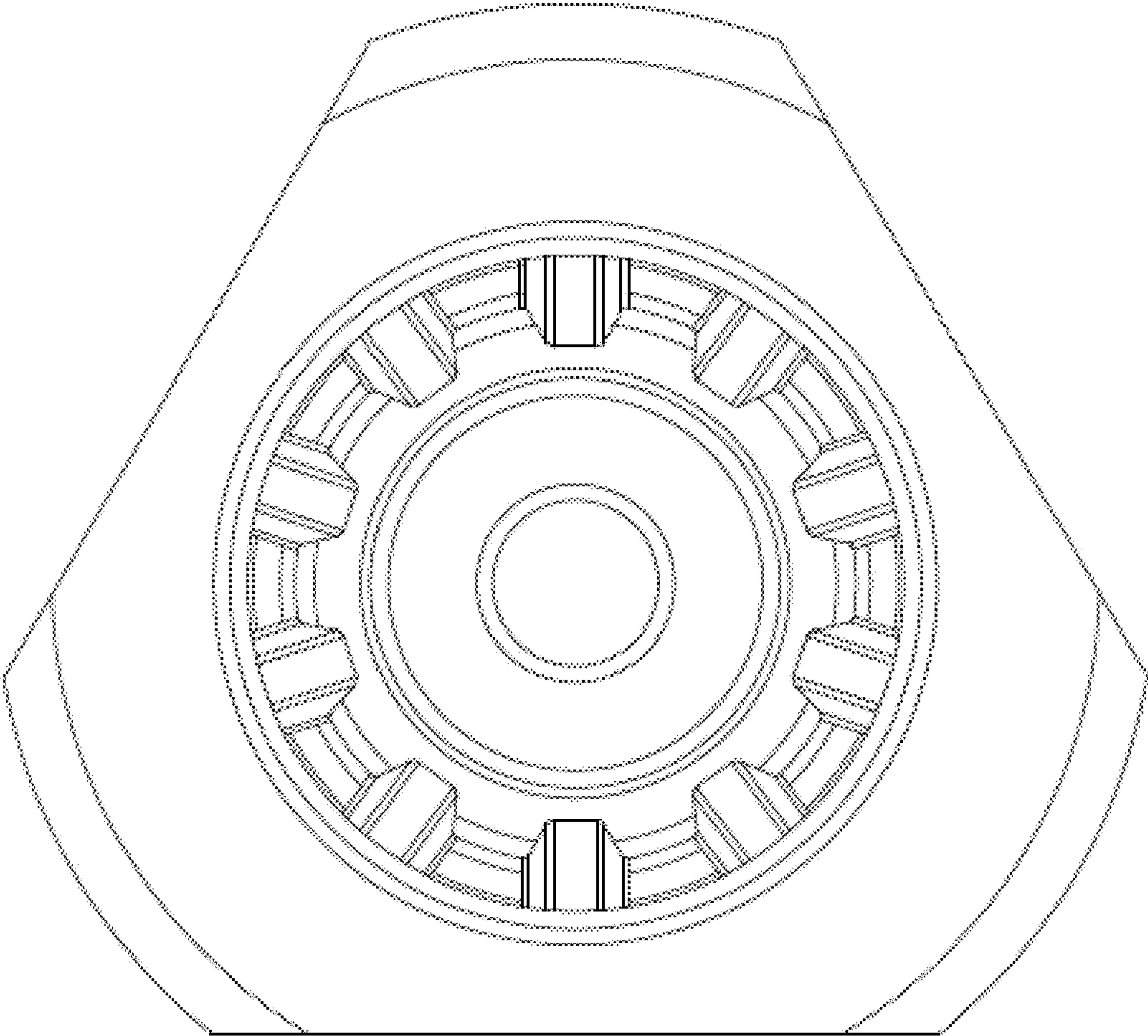


FIG. 3

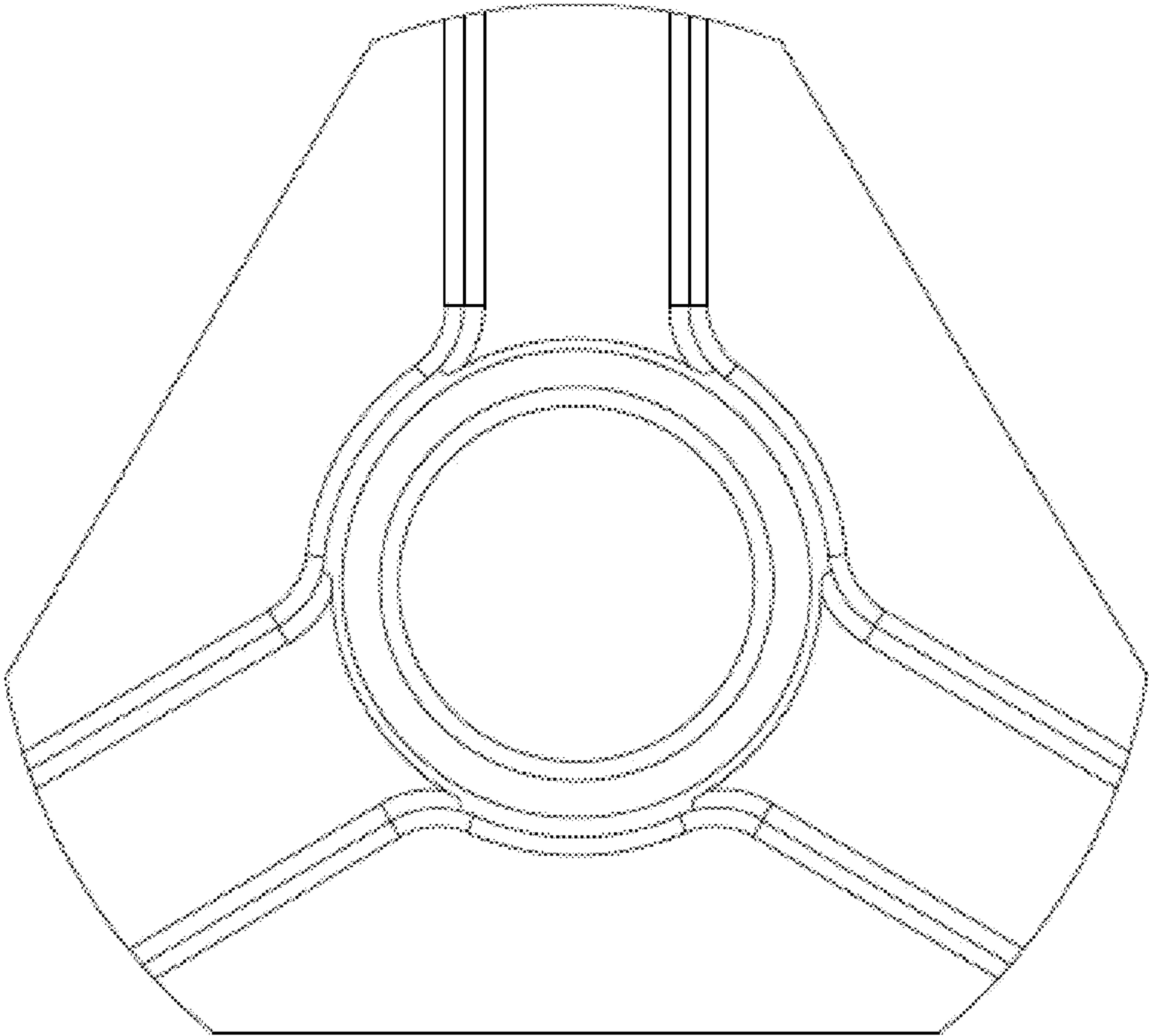


FIG. 4

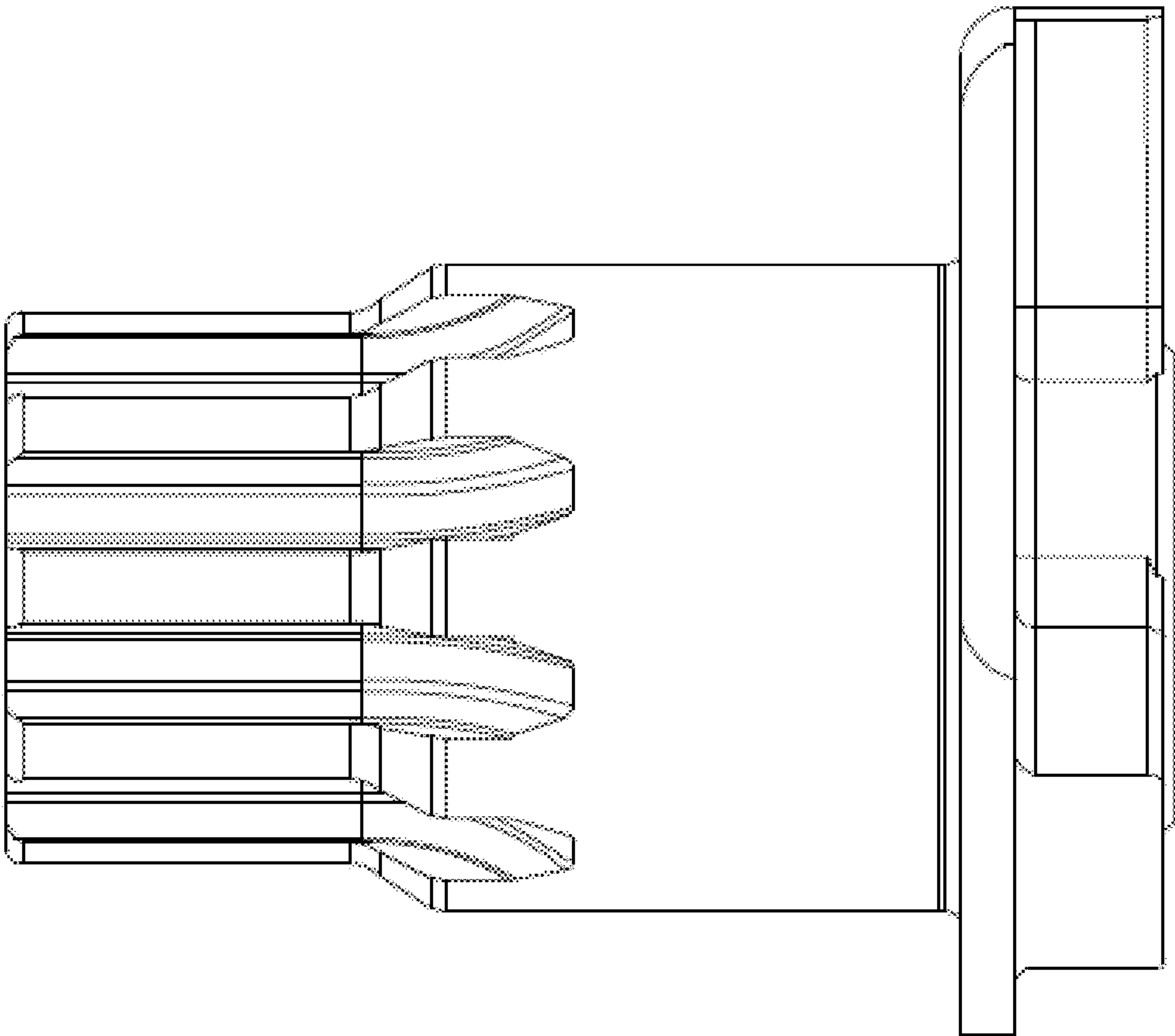


FIG. 5

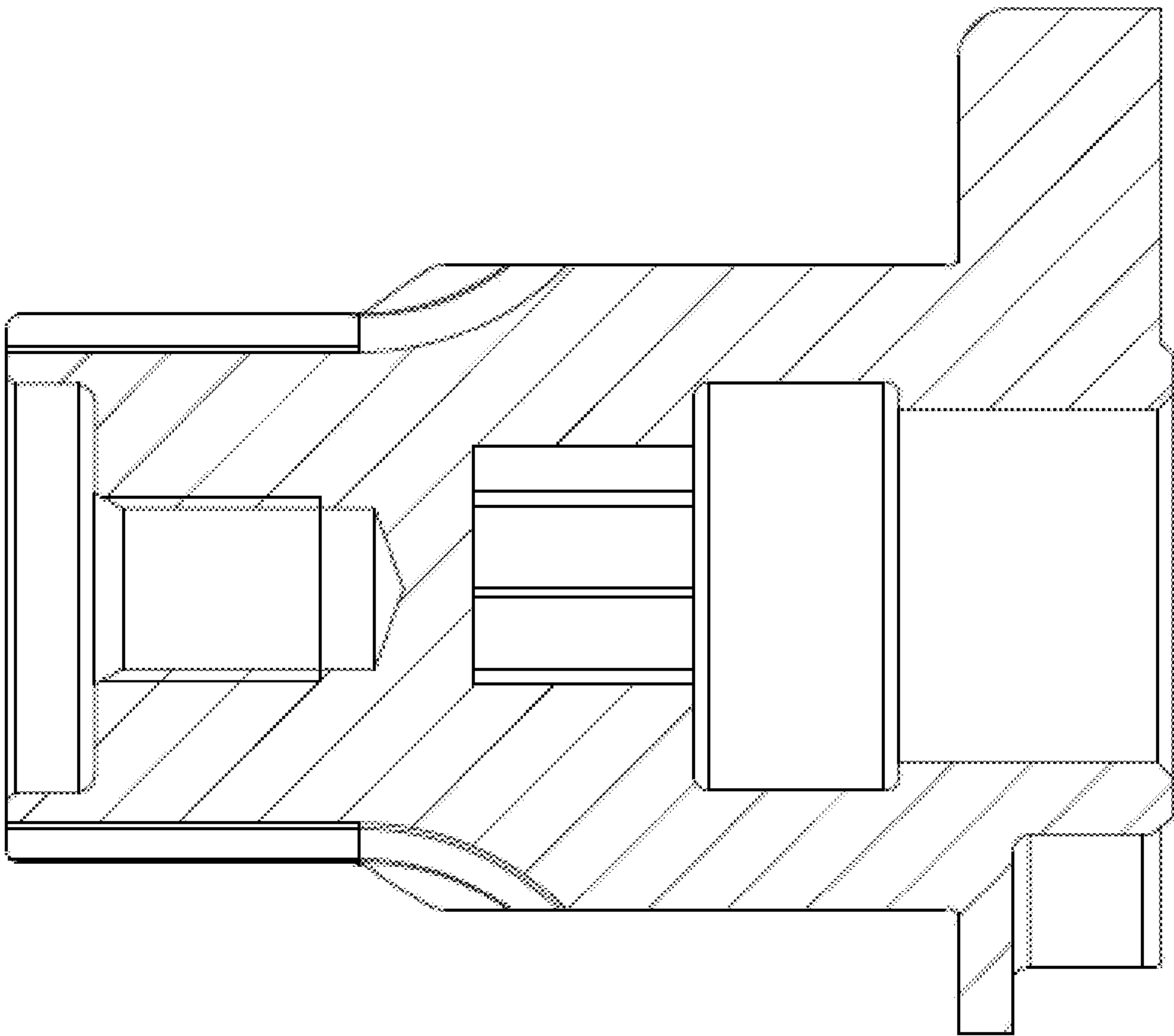


FIG. 6

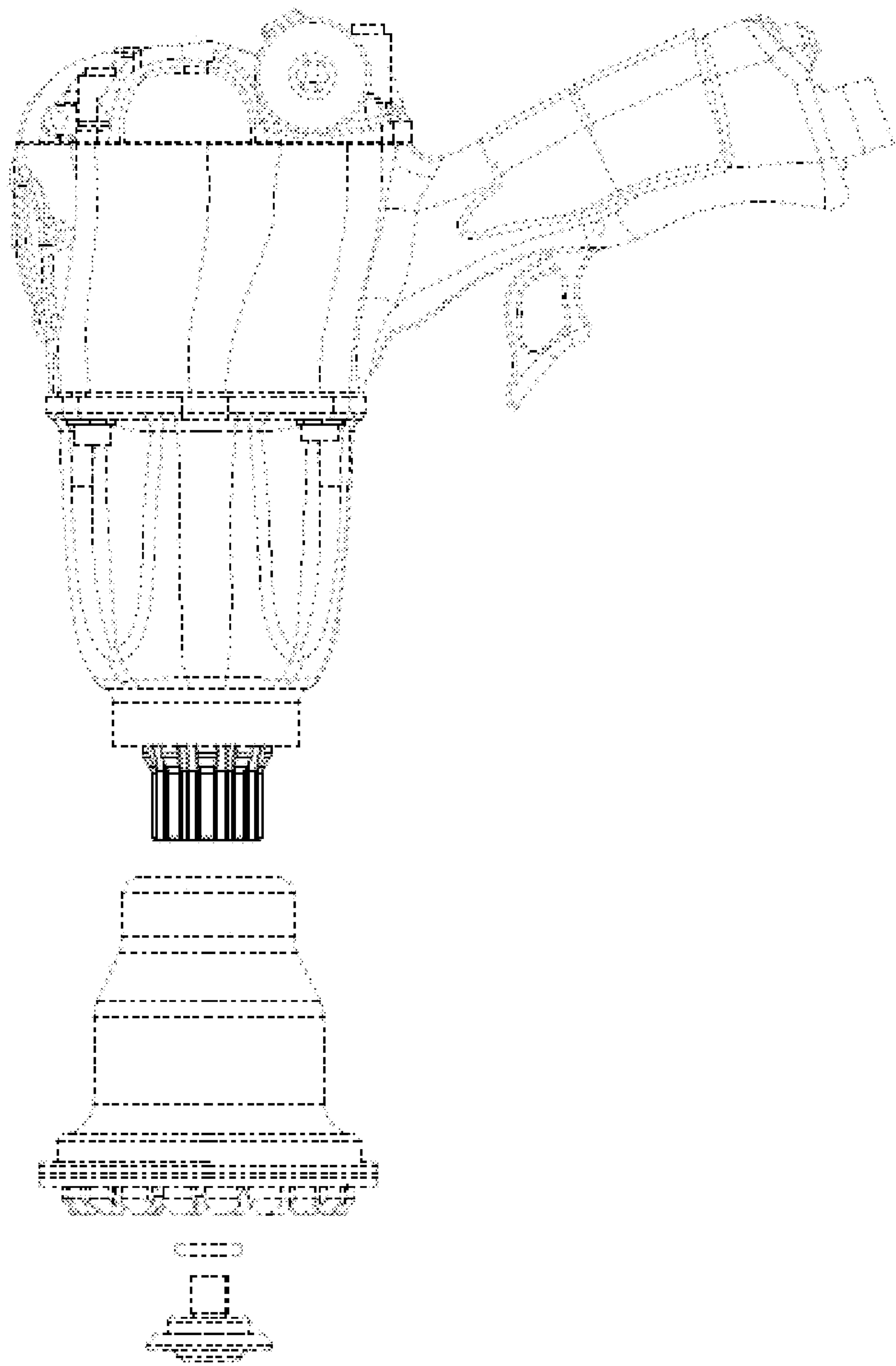


FIG. 7