US00D816031S

(12) United States Design Patent

Sakai et al.

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(45) Date of Patent: ** Apr. 24, 2018

(54) **MOTOR**

(71) Applicant: **MITSUBISHI ELECTRIC CORPORATION**, Tokyo (JP)

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(73) Assignee: **Mitsubishi Electric Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/573,153**

(22) Filed: **Aug. 3, 2016**

(30) **Foreign Application Priority Data**

Feb. 15, 2016 (JP) 2016-003132
Feb. 15, 2016 (JP) 2016-003134
(Continued)

(51) **LOC (11) Cl.** **13-01**
(52) **U.S. Cl.**
USPC **D13/112**
(58) **Field of Classification Search**
USPC D13/112, 101, 113, 114, 199; D15/1, 3, D15/5; 91/197; 310/47, 89, 113, 166, 91
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D167,140 S * 7/1952 Dochterman D13/112
D169,487 S * 5/1953 Horvath D13/112
(Continued)

OTHER PUBLICATIONS

Ink Key posted by Akiyama PPE posted date Dec. 22, 2016, ©Amazon.com, [online], [site visited Aug. 11, 2017]. <https://www.amazon.com/Ink-Motors-Akiyama-Bestech-High/dp/BOIN2WMQXU/ref=sr_1_15?ie=UTF8&qid=1502499162&=sr=8-15&keywords=ink+key+motors> (Year: 2016).*
(Continued)

Primary Examiner — Cynthia Ramirez
Assistant Examiner — Laura H Yu
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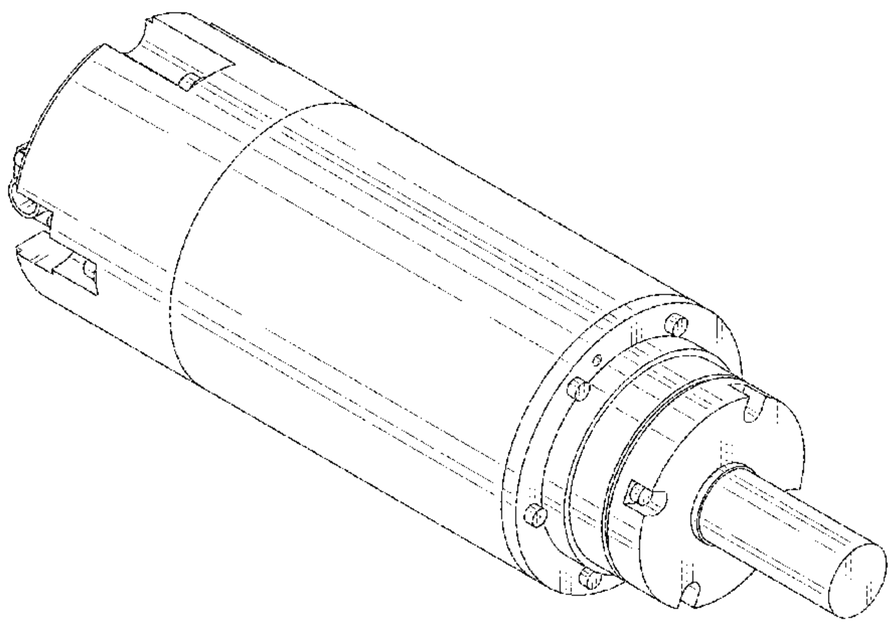
(57) **CLAIM**

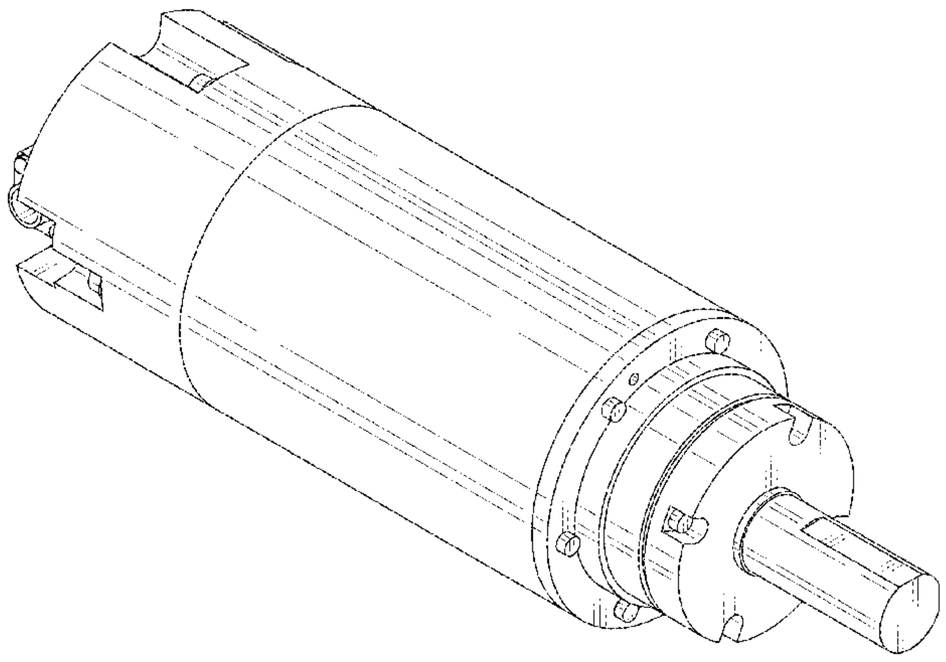
The ornamental design for the motor, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of the front, right and top sides of the first embodiment of a motor showing our new design;
FIG. **2** is a perspective view of the rear, left and bottom sides thereof;
FIG. **3** is a front view thereof;
FIG. **4** is a rear view thereof;
FIG. **5** is a left side view thereof;
FIG. **6** is a right side view thereof;
FIG. **7** is a top view thereof;
FIG. **8** is a bottom view thereof;
FIG. **9** is a perspective view of the front, right and top sides of the second embodiment of a motor showing our new design;
FIG. **10** is a perspective view of the rear, left and bottom sides thereof;
FIG. **11** is a front view thereof;
FIG. **12** is a rear view thereof;
FIG. **13** is a left side view thereof;
FIG. **14** is a right side view thereof;
FIG. **15** is a top view thereof; and,
FIG. **16** is a bottom view thereof.
The broken line showing of the motor is included for the purpose of illustrating portions of the motor and forms no part of the claimed design.

1 Claim, 10 Drawing Sheets





(30) **Foreign Application Priority Data**

Feb. 15, 2016 (JP) 2016-003135
Feb. 15, 2016 (JP) 2016-003136
Feb. 15, 2016 (JP) 2016-003137

(58) **Field of Classification Search**
CPC H02K 11/33; H02K 5/10
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D174,491	S	*	4/1955	Lima	D13/112
D205,662	S	*	9/1966	Racine	D13/112
D213,563	S	*	3/1969	Mabuchi	D13/112
D297,426	S	*	8/1988	Mabuchi	D13/112
D298,228	S	*	10/1988	Hoshino	D13/112
D301,454	S	*	6/1989	Hara	D13/112
D304,169	S	*	10/1989	Hoshino	D13/112
D325,560	S	*	4/1992	Baines	D13/112
D329,839	S	*	9/1992	Ehrhart	D13/112
D332,081	S	*	12/1992	Sieber	D13/112
D601,958	S	*	10/2009	Huan	D13/112
D603,793	S	*	11/2009	Lindberg	D13/112
D697,586	S	*	1/2014	Muday	D23/233
D706,304	S	*	6/2014	Katada	D13/112
D715,222	S	*	10/2014	Saillard	D13/112
D741,260	S	*	10/2015	Yabuuchi	D13/112
D742,316	S	*	11/2015	Sato	D13/112
D762,564	S	*	8/2016	Patton	D13/103
D780,118	S	*	2/2017	Rudolph	D13/112
D801,926	S	*	11/2017	Sakai	D13/112

OTHER PUBLICATIONS

Ryobi Ink Key Motor posted by Grapa Japan posted date Mar. 3, 2014, © Smuto.BlogSpot.com, [online], [site visited Aug. 11, 2017]. <http://smuto.blogspot.com/2014/03/ryobi-ink-key-motor-te-16km-12-384.html#!/2014/03/ryobi-ink-key-motor-te-16km-12-384.html> (Year: 2014).*

Ink Key posted by PPE posted date Dec. 22, 2016, ©Amazon.com, [online], [site visited Aug. 11, 2017]. <https://www.amazon.com/Ink-Key-Motors-For-Mitsubishi/dp/B01N2WN9XK/ref=sr_1_7?ie=UTF8&qid=1502499221&sr=8-7&keywords=ink+key+motor+22 (Year: 2016).*

* cited by examiner

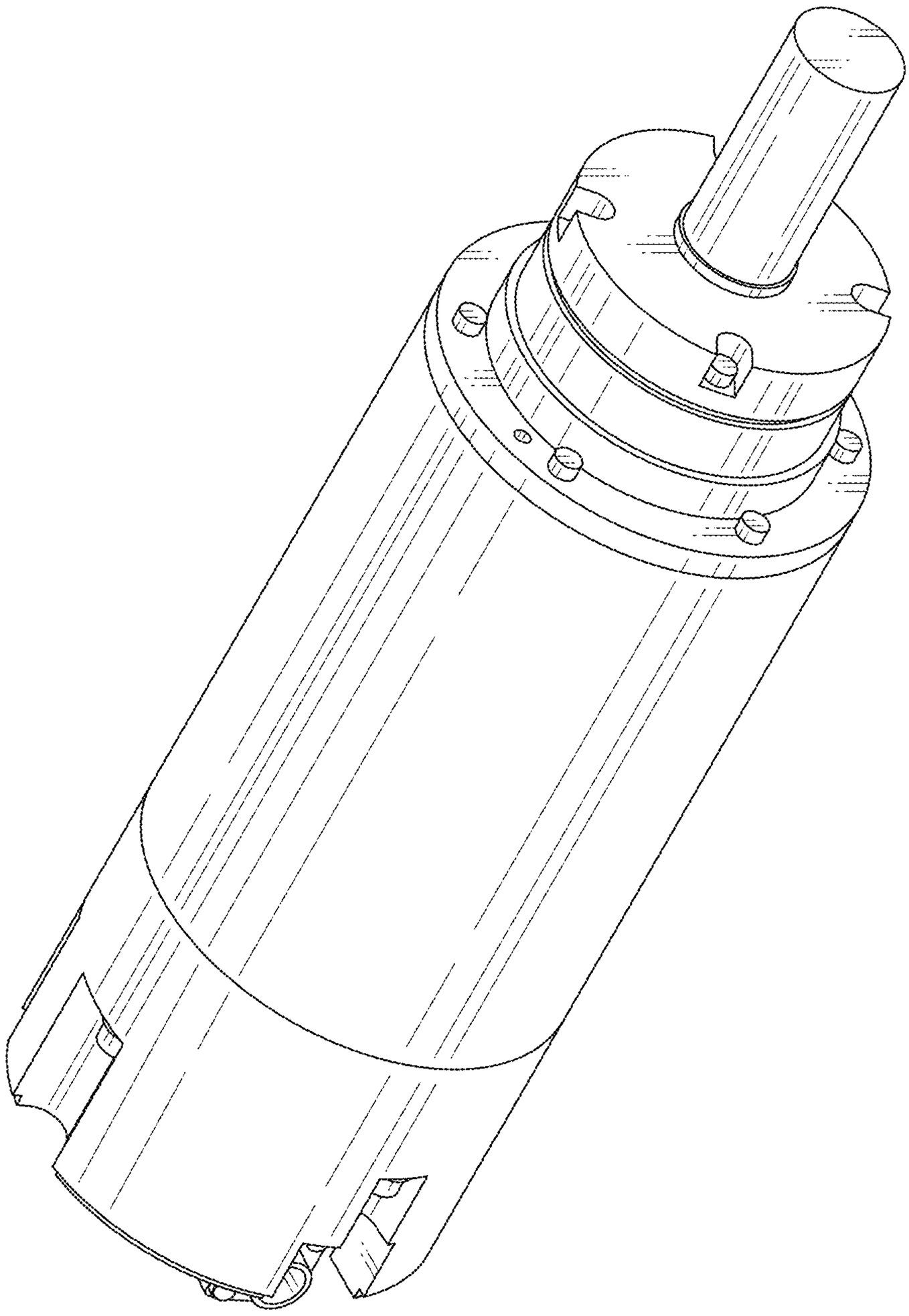


Fig. 1

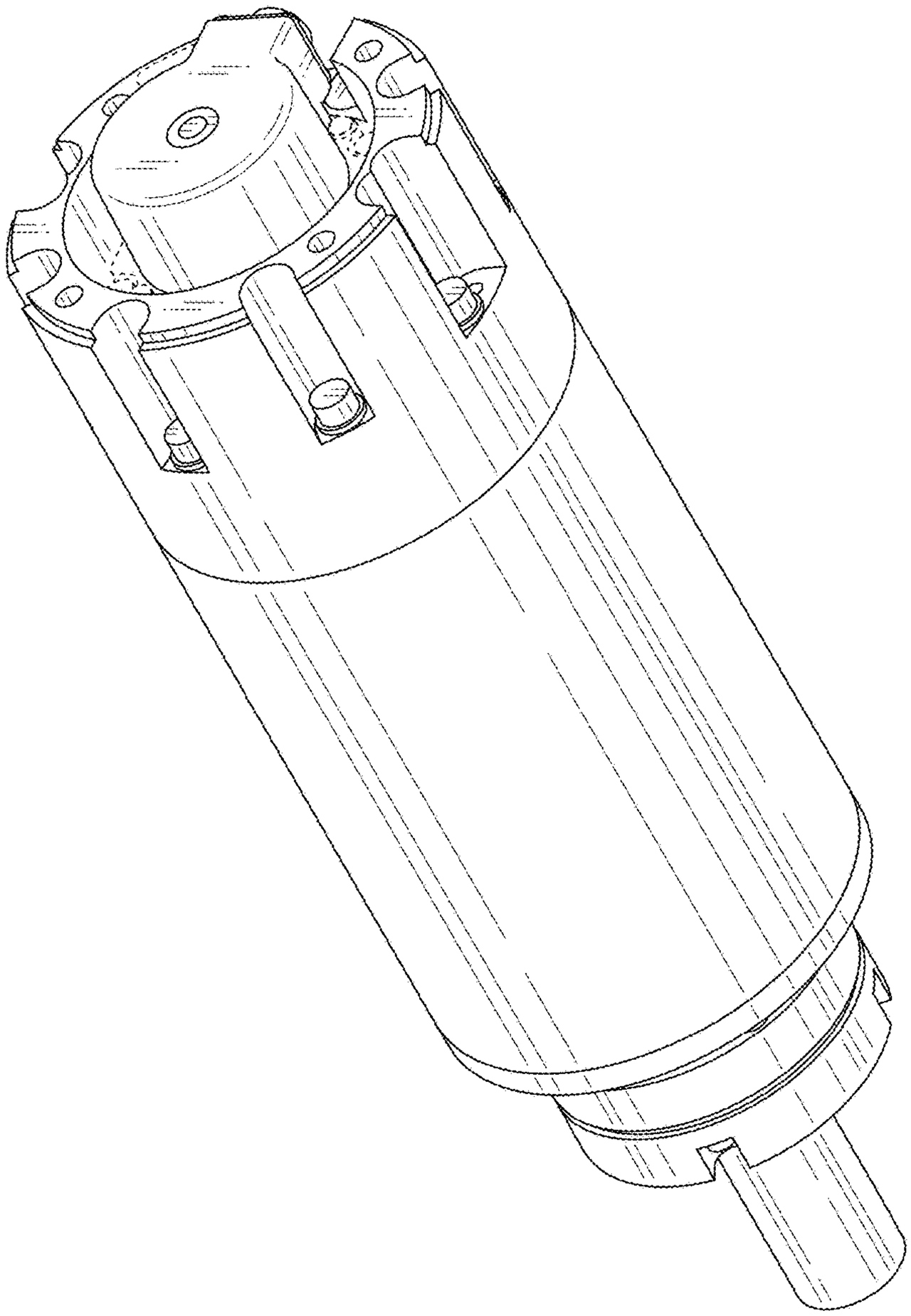


Fig. 2

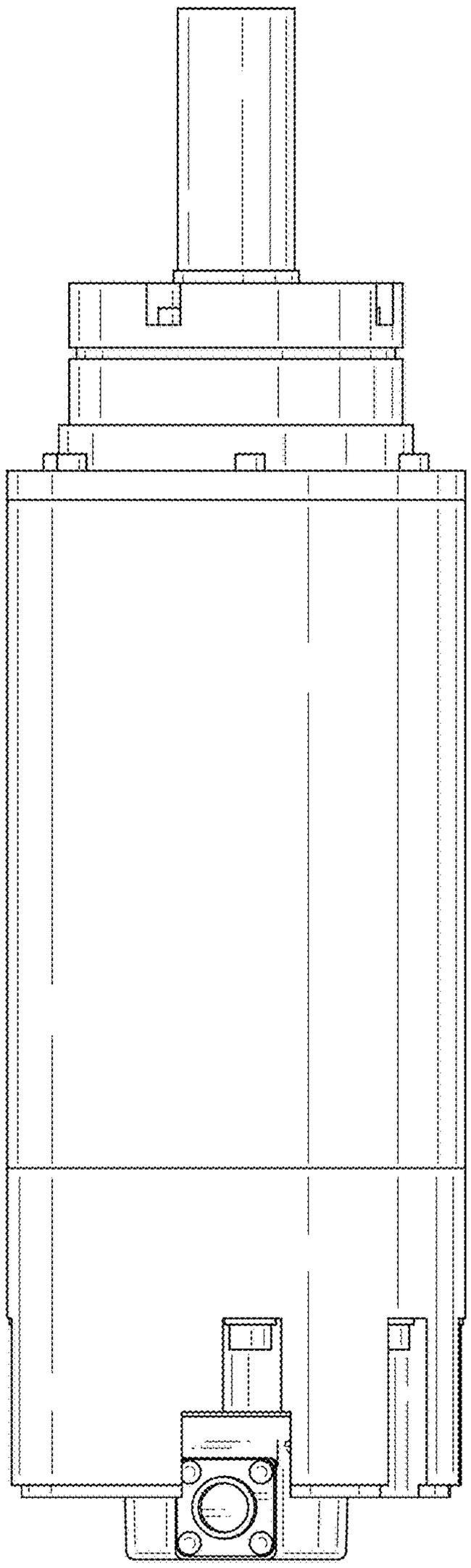
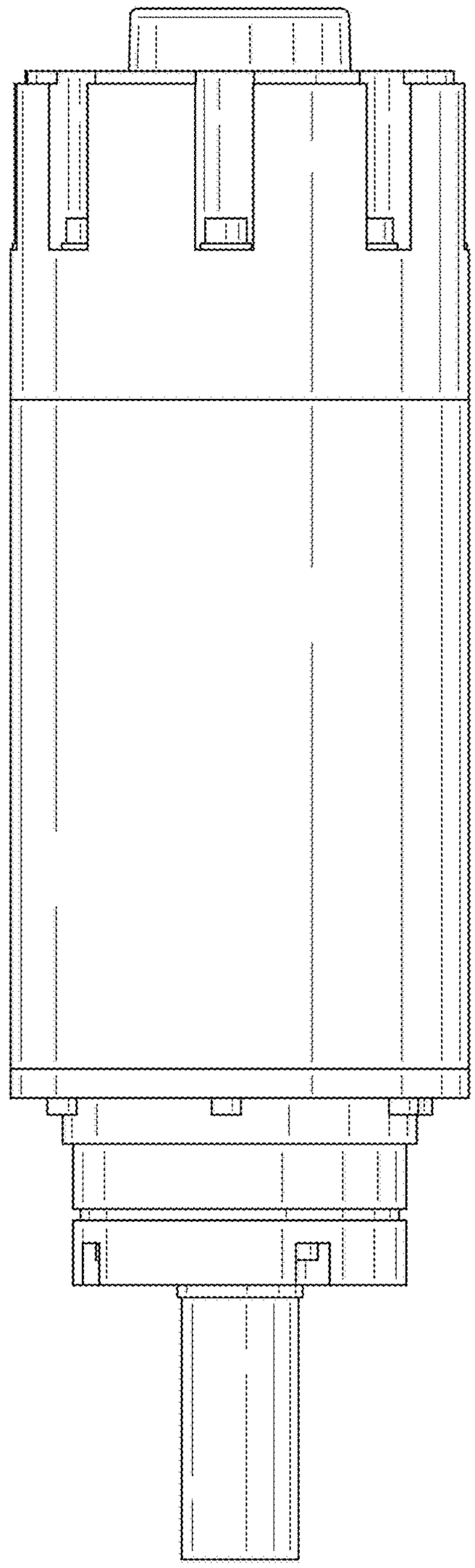


Fig. 3



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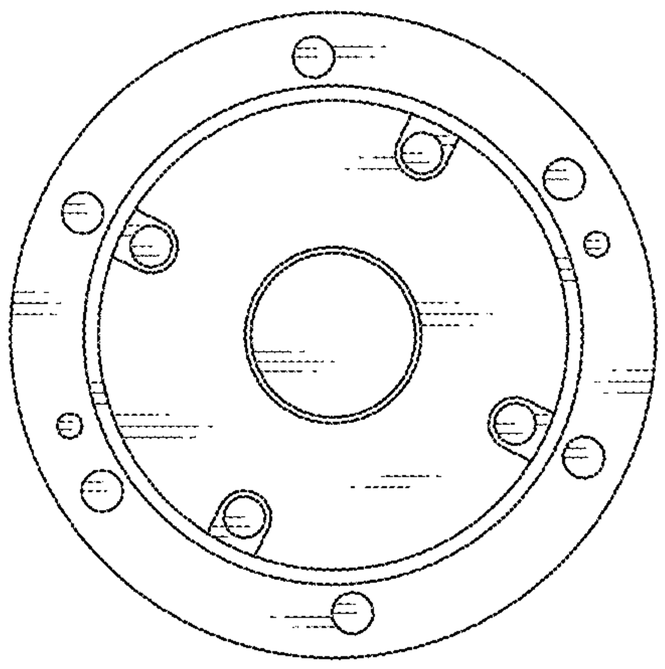

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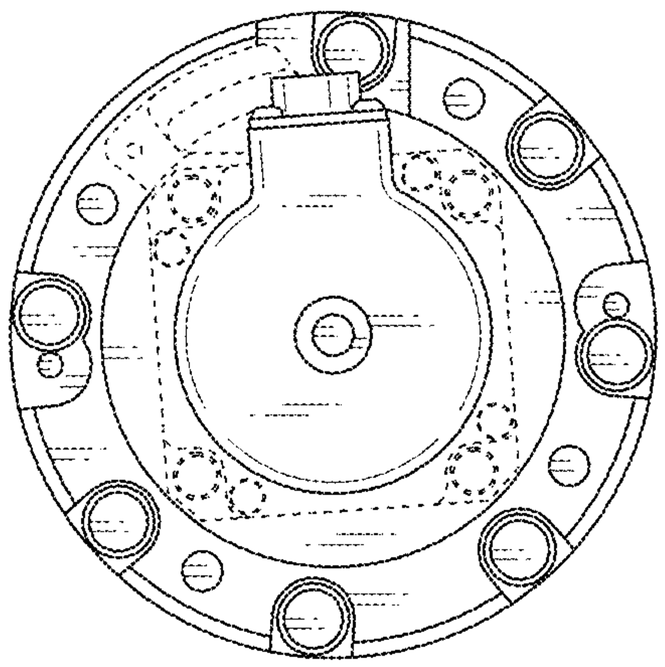

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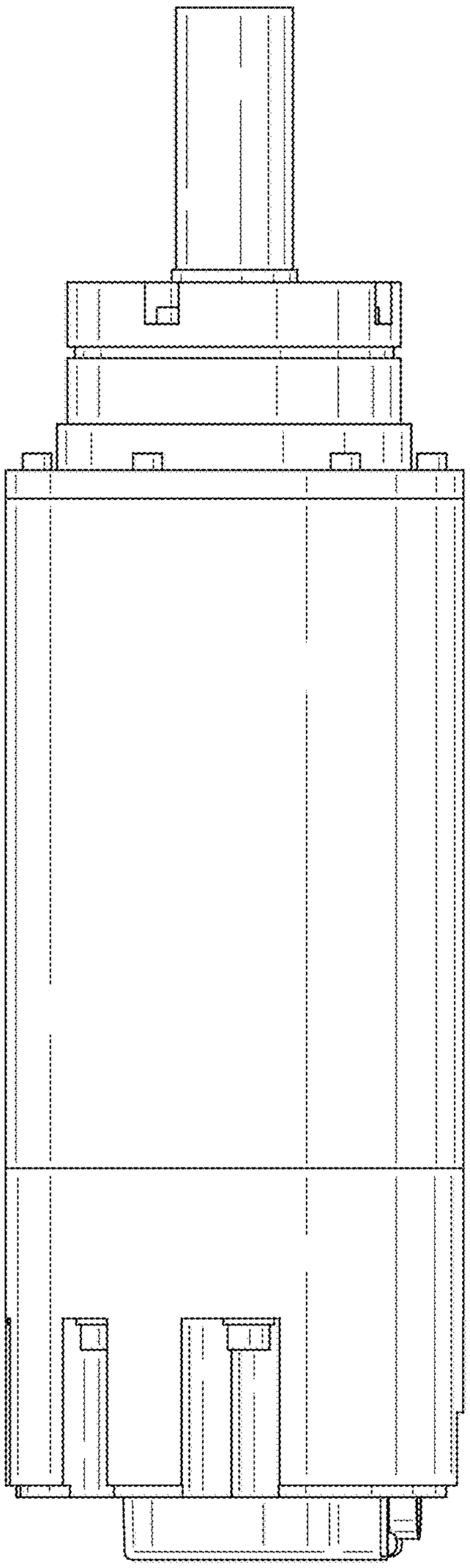

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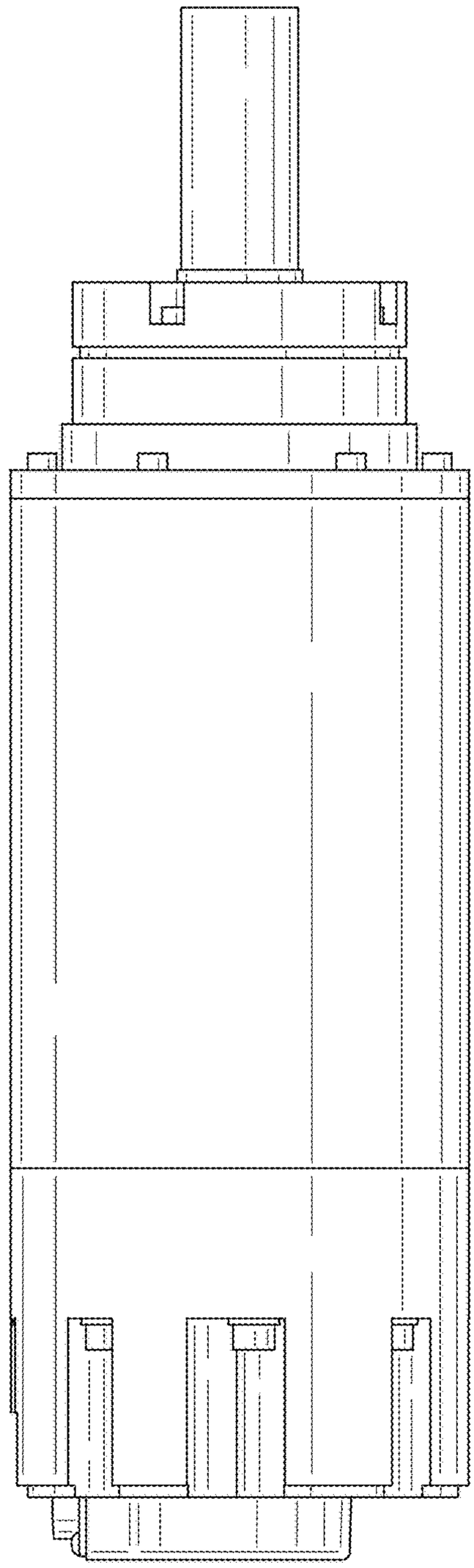


Fig. 8

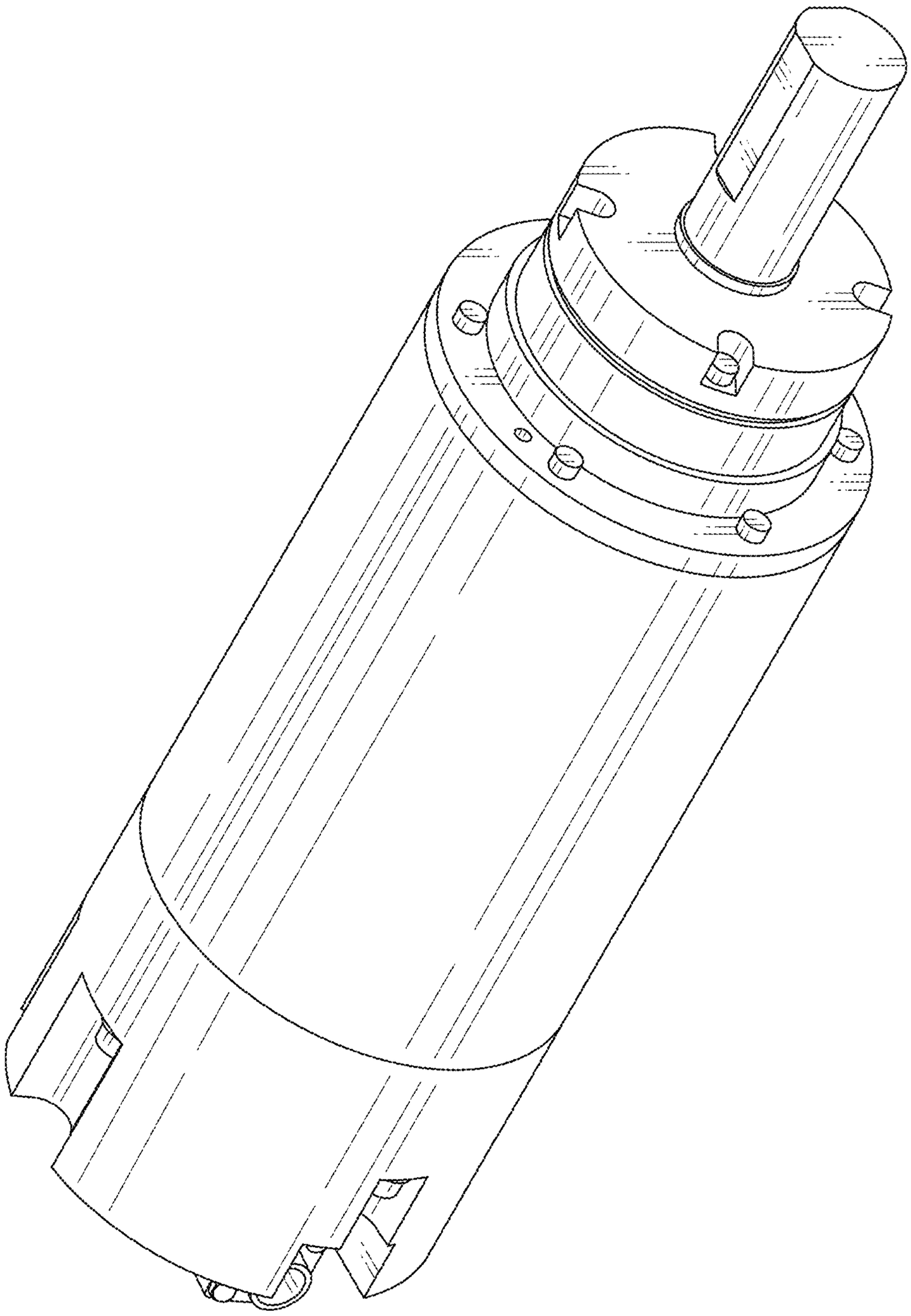
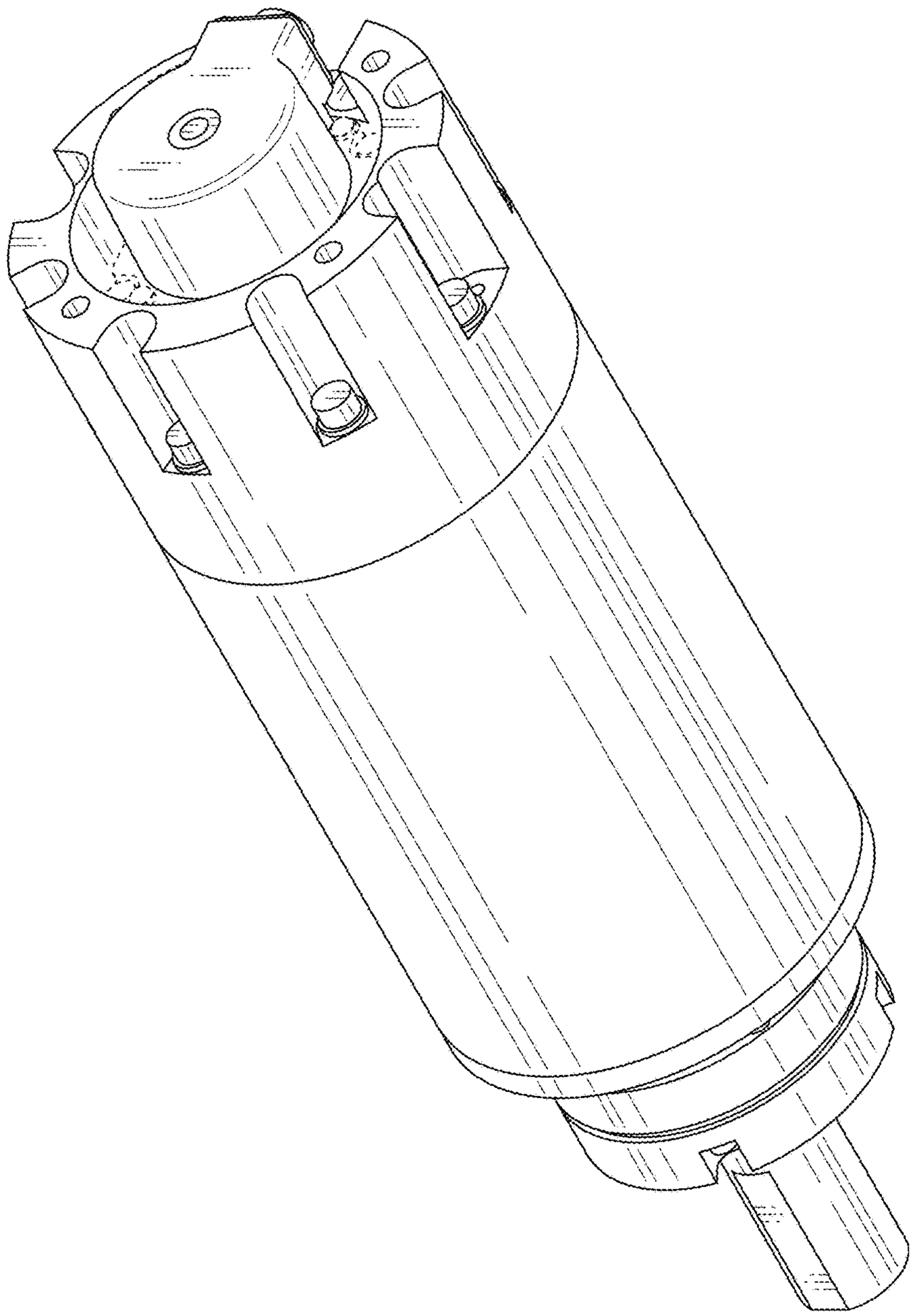


Fig. 9



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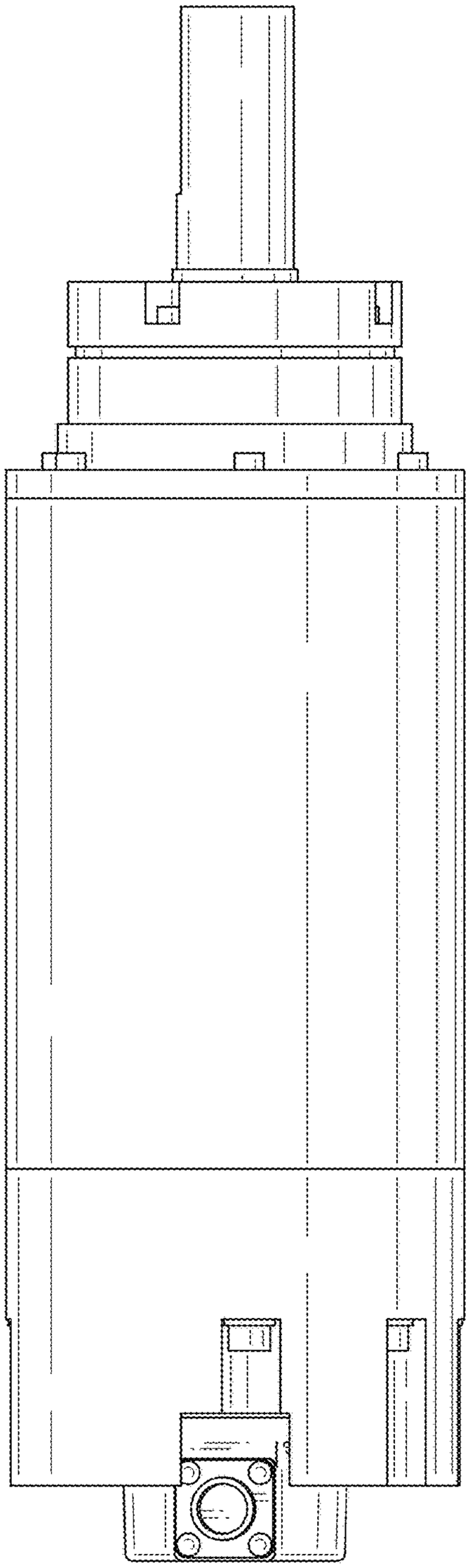

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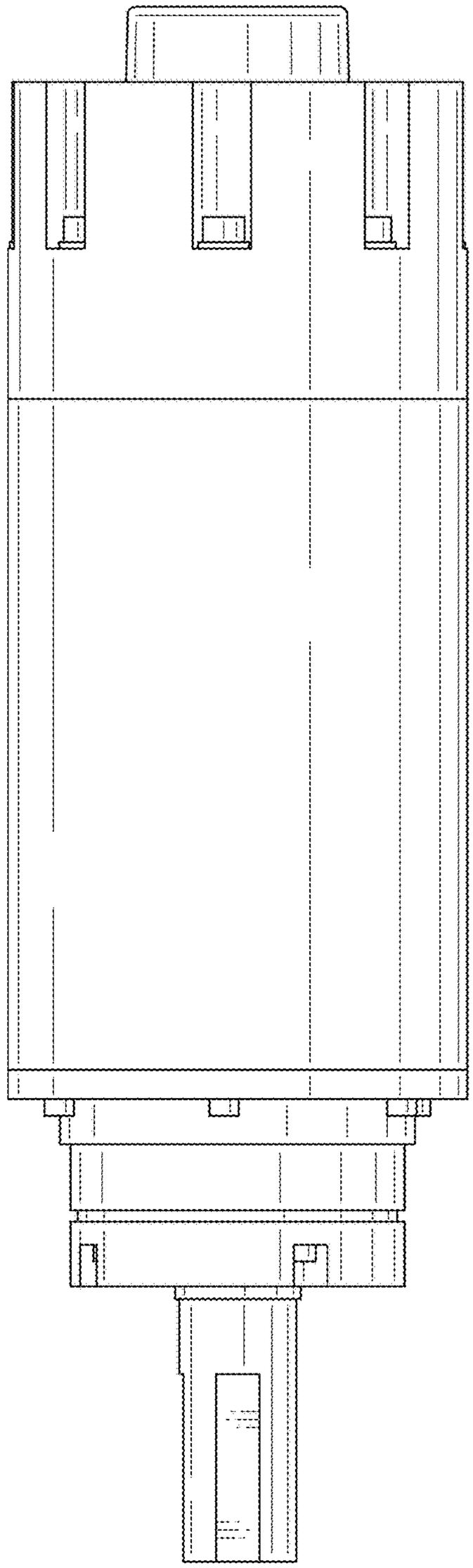

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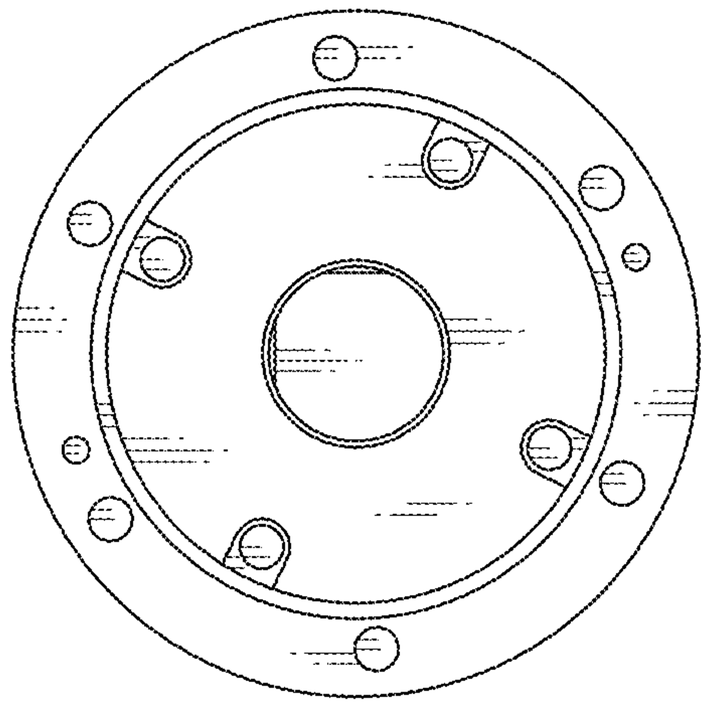

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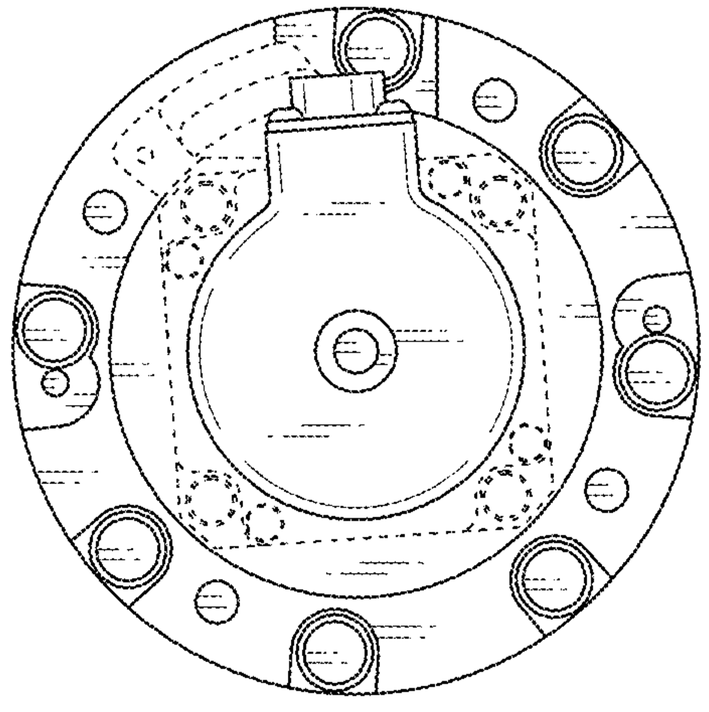
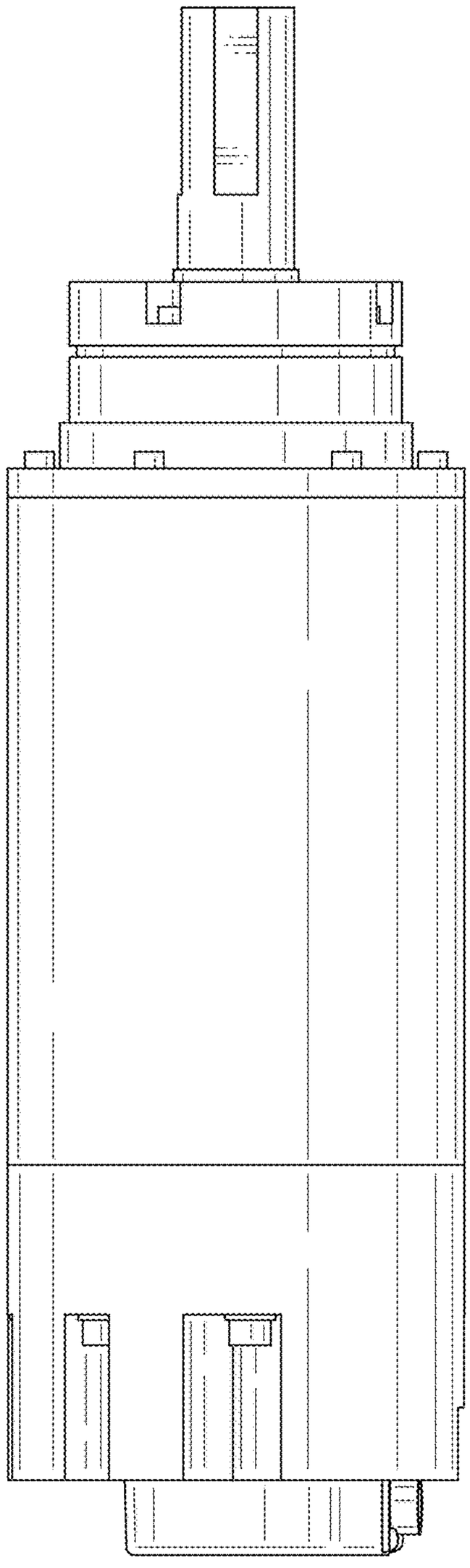


Fig. 13



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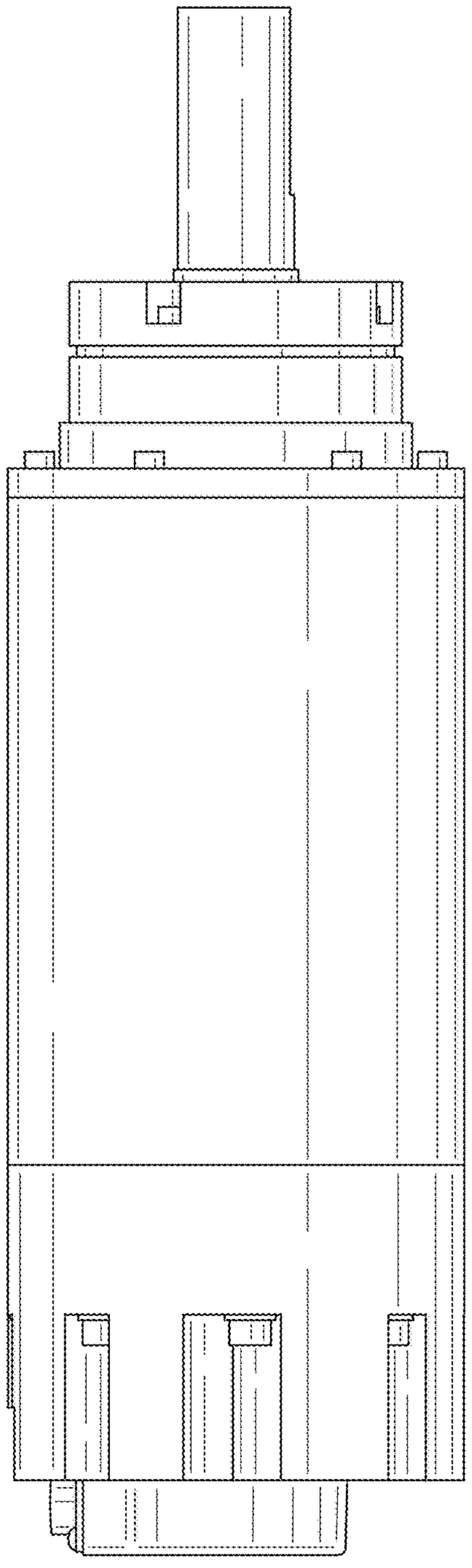

Fig. 16