



US00D958757S

(12) **United States Design Patent** (10) **Patent No.:** **US D958,757 S**  
**Zou** (45) **Date of Patent:** **\*\* Jul. 26, 2022**

(54) **PUSH PULL CONNECTOR WITH DIAGONAL PATTERN**  
(71) Applicant: **Jiusheng Zou**, Dongguan (CN)  
(72) Inventor: **Jiusheng Zou**, Dongguan (CN)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/642,134**  
(22) Filed: **Mar. 27, 2018**  
(51) **LOC (13) Cl.** ..... **13-03**  
(52) **U.S. Cl.**  
USPC ..... **D13/146**; D13/151; D13/149  
(58) **Field of Classification Search**  
USPC ..... D13/118, 123, 133, 146, 147, 149, 151,  
D13/154, 173, 184, 199; D24/129  
CPC ... H01R 4/18; H01R 4/24; H01R 9/00; H01R  
9/05; H01R 13/52; H01R 13/622; H01R  
13/627; H01R 13/66; H01R 25/00; H01R  
31/00  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
D342,054 S \* 12/1993 Woodman ..... D13/146  
D360,400 S \* 7/1995 Pitcher ..... D13/133  
D454,115 S \* 3/2002 Zemba ..... D13/147  
D514,070 S \* 1/2006 Bachmann ..... D13/149  
D596,581 S \* 7/2009 Amidon ..... D13/133  
D605,136 S \* 12/2009 Amidon ..... D13/133  
D611,904 S \* 3/2010 Mehnert ..... D13/147  
D643,370 S \* 8/2011 Eriksen ..... D13/154  
D678,197 S \* 3/2013 Kagelmacher ..... D13/133  
D703,142 S \* 4/2014 Hoshino ..... D13/147  
D834,712 S \* 11/2018 Gulliver ..... D24/129  
D851,759 S \* 6/2019 Jones ..... D24/129  
D865,679 S \* 11/2019 Wang ..... D13/151

D906,258 S \* 12/2020 Yang ..... D13/154  
D923,575 S \* 6/2021 Zou ..... D13/133  
2013/0157506 A1\* 6/2013 Grek ..... H01R 9/0503  
439/578  
(Continued)

**OTHER PUBLICATIONS**

Fleconn M8 Connectors, dated Jun. 20, 2016, [online], [site visited Nov. 16, 2018]. Available from Internet, <URL: <http://www.fleconn-china.com/category2-33-M8-Connector-M8-Cable.html>> (Year: 2016).\*  
(Continued)

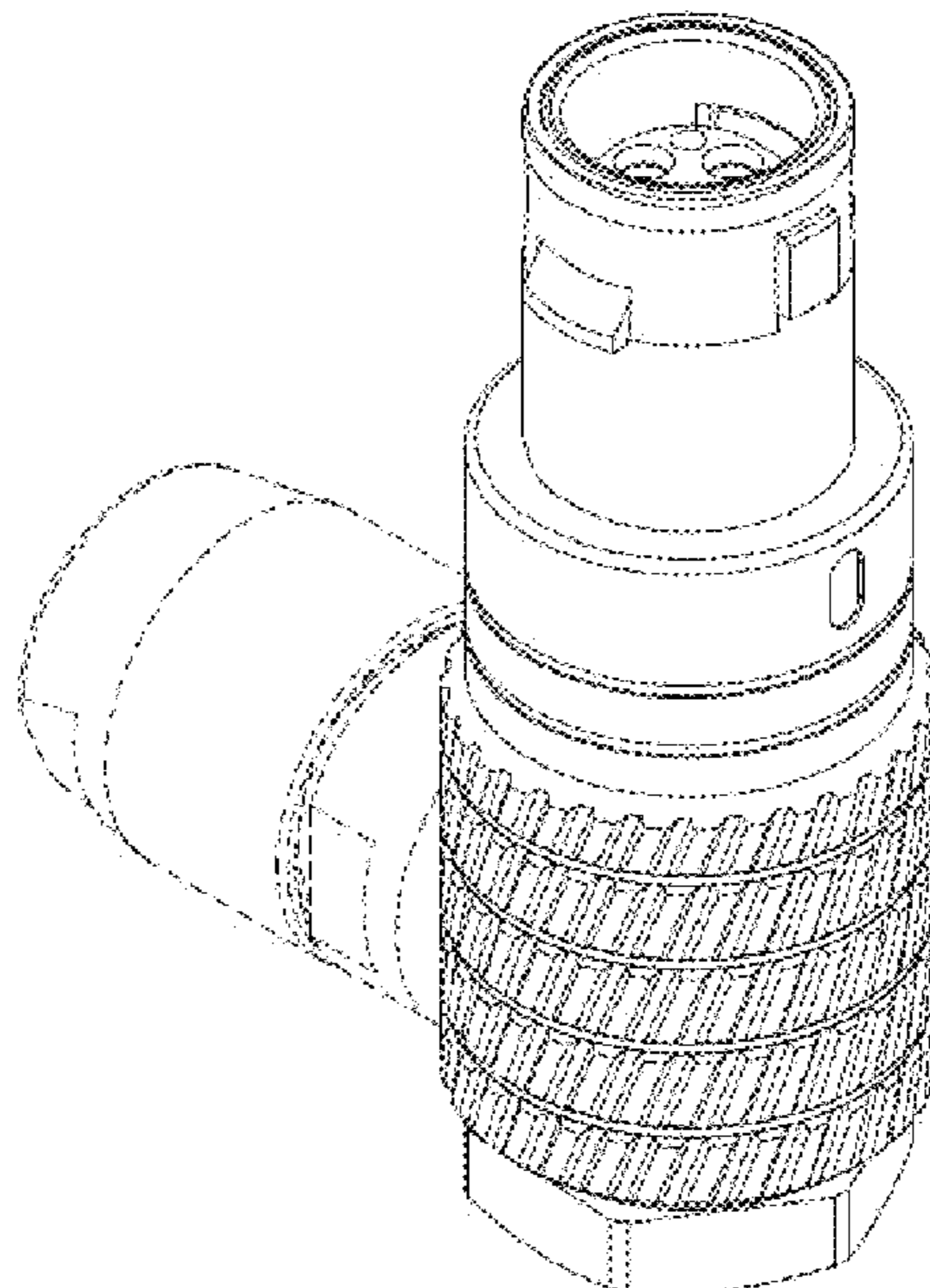
*Primary Examiner* — Shawn T Gingrich

(57) **CLAIM**  
The ornamental design for a push pull connector with diagonal pattern, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of the push pull connector with diagonal pattern showing my new design.  
FIG. 2 is a front view of the push pull connector with diagonal pattern showing my new design.  
FIG. 3 is a left side view of the push pull connector with diagonal pattern showing my new design.  
FIG. 4 is a top view of the push pull connector with diagonal pattern showing my new design.  
FIG. 5 is a right side view of the push pull connector with diagonal pattern showing my new design.  
FIG. 6 is a back end view of the push pull connector with diagonal pattern showing my new design.  
FIG. 7 is a back perspective view of the push pull connector with diagonal pattern showing my new design; and,  
FIG. 8 is a bottom view of the push pull connector with diagonal pattern showing my new design.  
The broken lines in the drawings illustrate portions of the push pull connector with diagonal pattern that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2014/0085776 A1\* 3/2014 Fischer ..... H01R 25/00  
361/601  
2014/0162488 A1\* 6/2014 Staudigel ..... H01R 9/03  
439/372  
2020/0227861 A1\* 7/2020 Fujiwara ..... H01R 13/622  
2020/0227867 A1\* 7/2020 Luo ..... H01R 13/405  
2020/0227872 A1\* 7/2020 Watkins ..... H01R 24/38

OTHER PUBLICATIONS

Field Mountable M8 and M12 Connectors, dated Dec. 22, 2011,  
[online], [site visited Mar. 27, 2019]. Available from Internet,  
<URL: <https://www.omega.com/pptst/M8-M12FM.html>> (Year: 2011).\*

\* cited by examiner

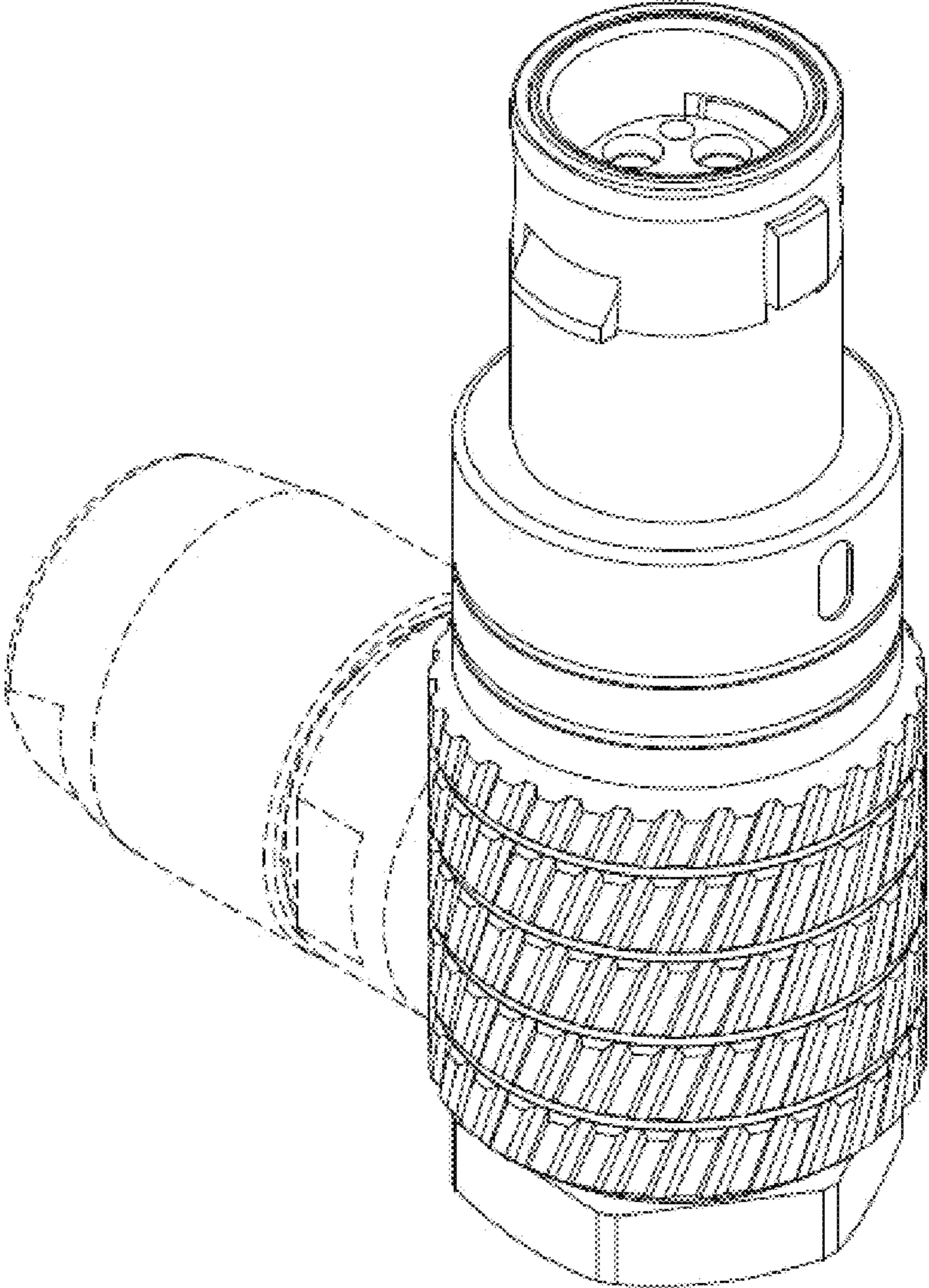


FIG.1

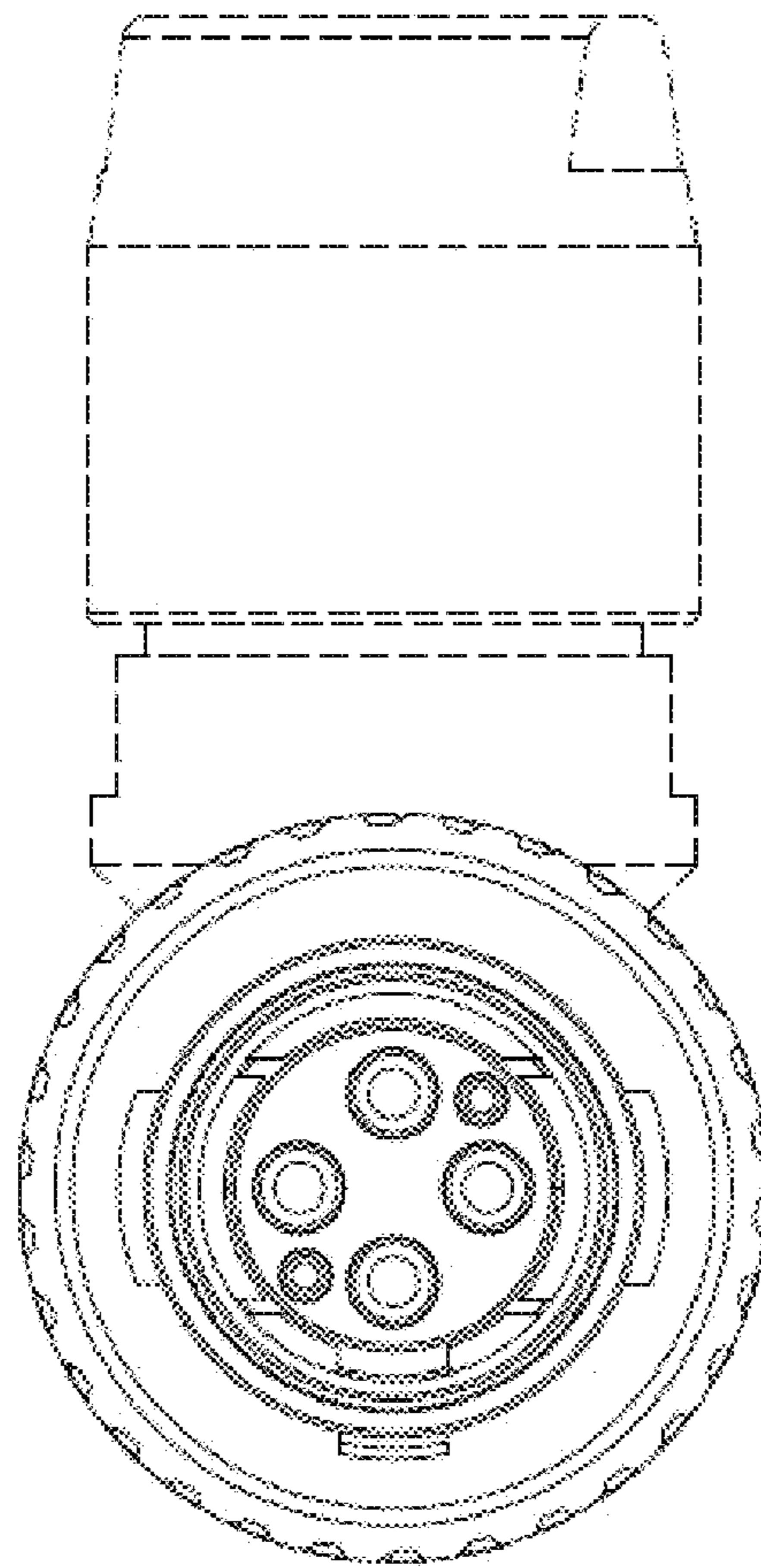


FIG.2



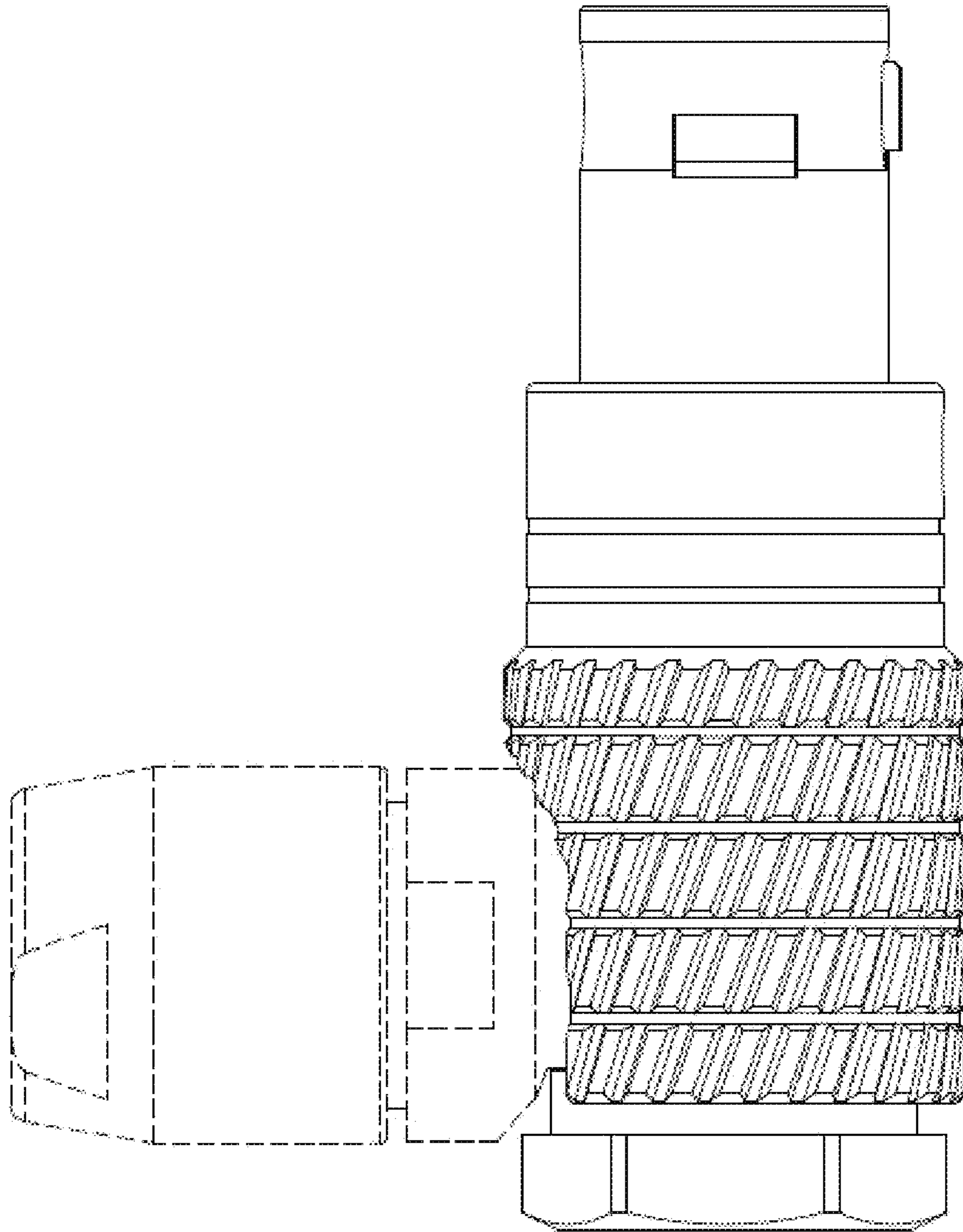


FIG.3

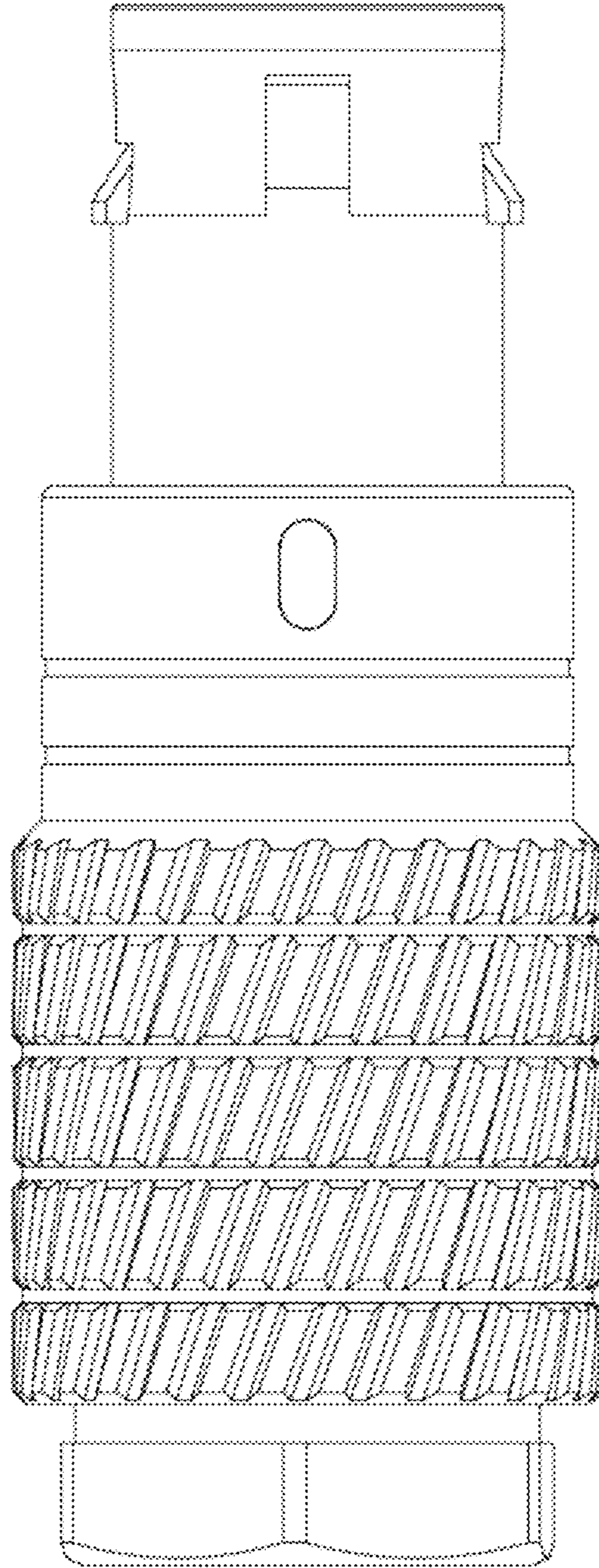


FIG.4

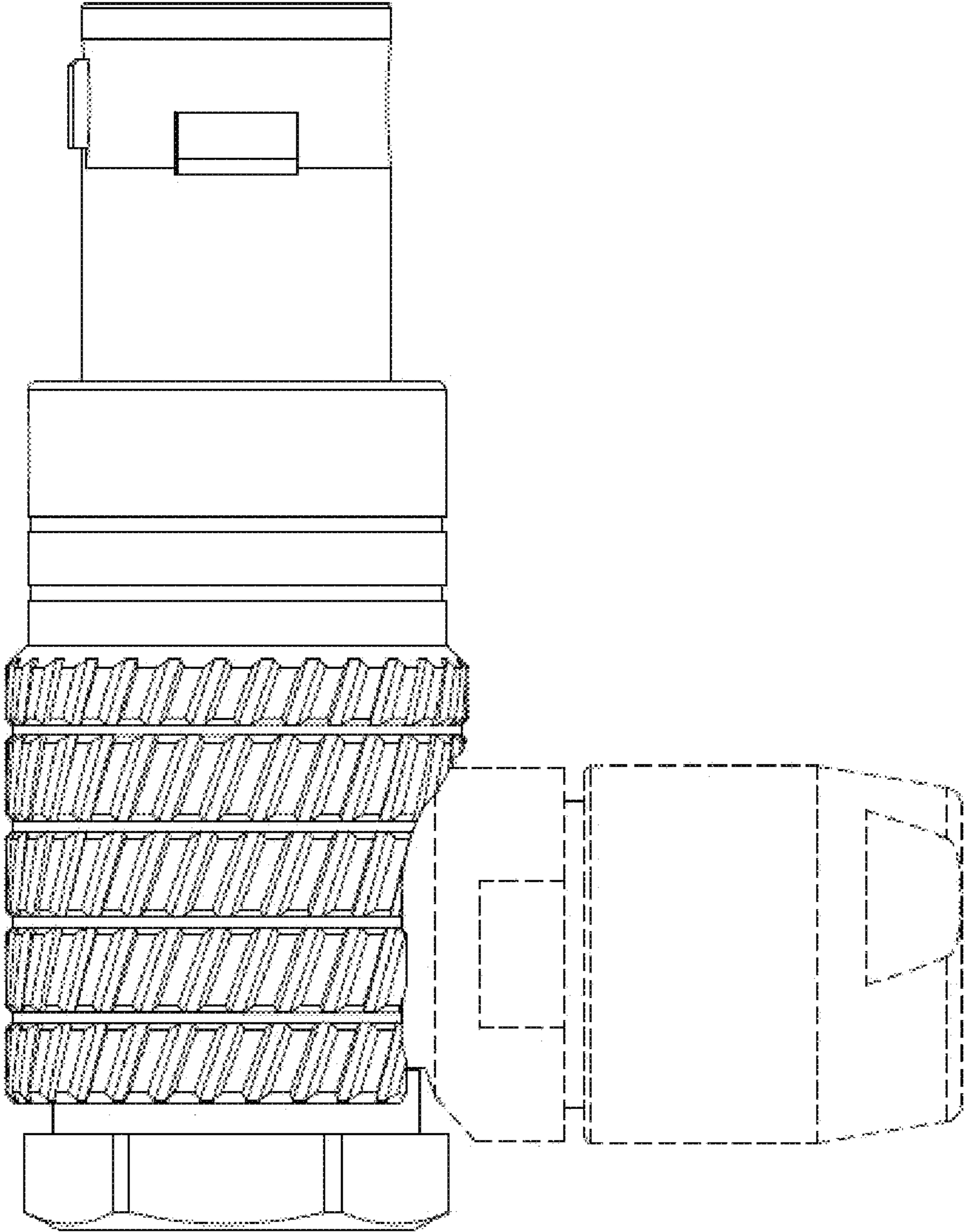


FIG.5

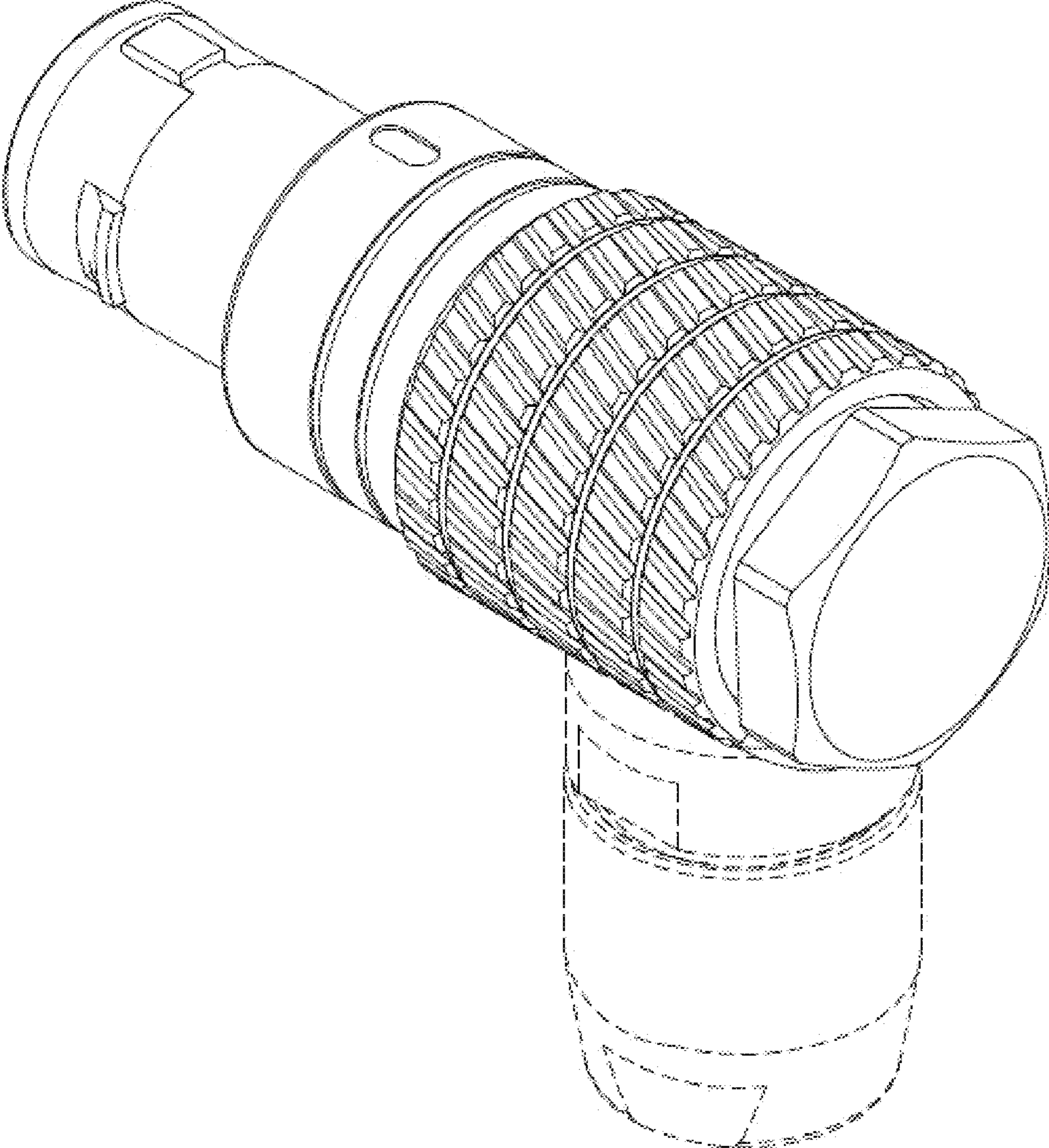


FIG.6



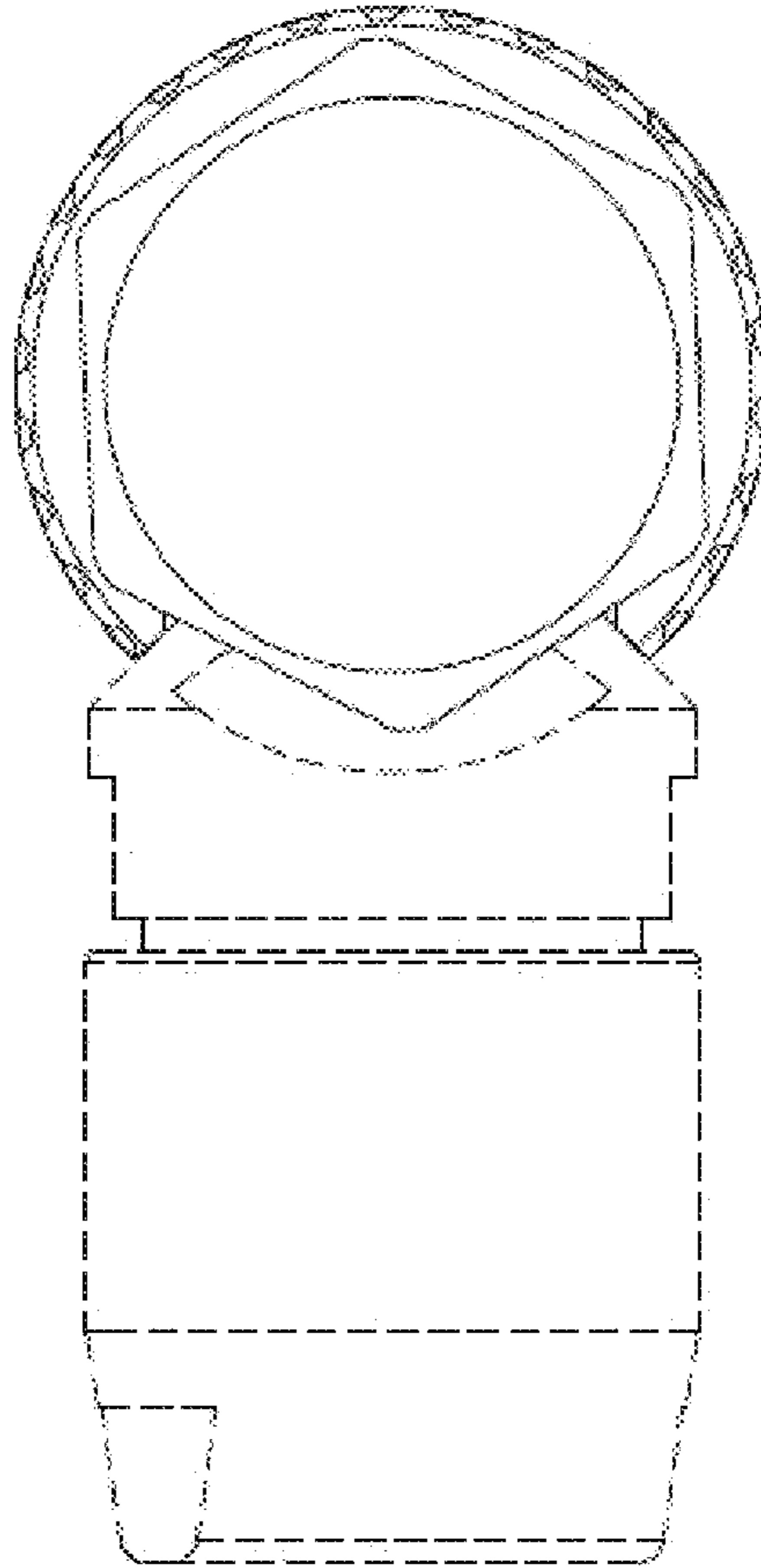


FIG.7

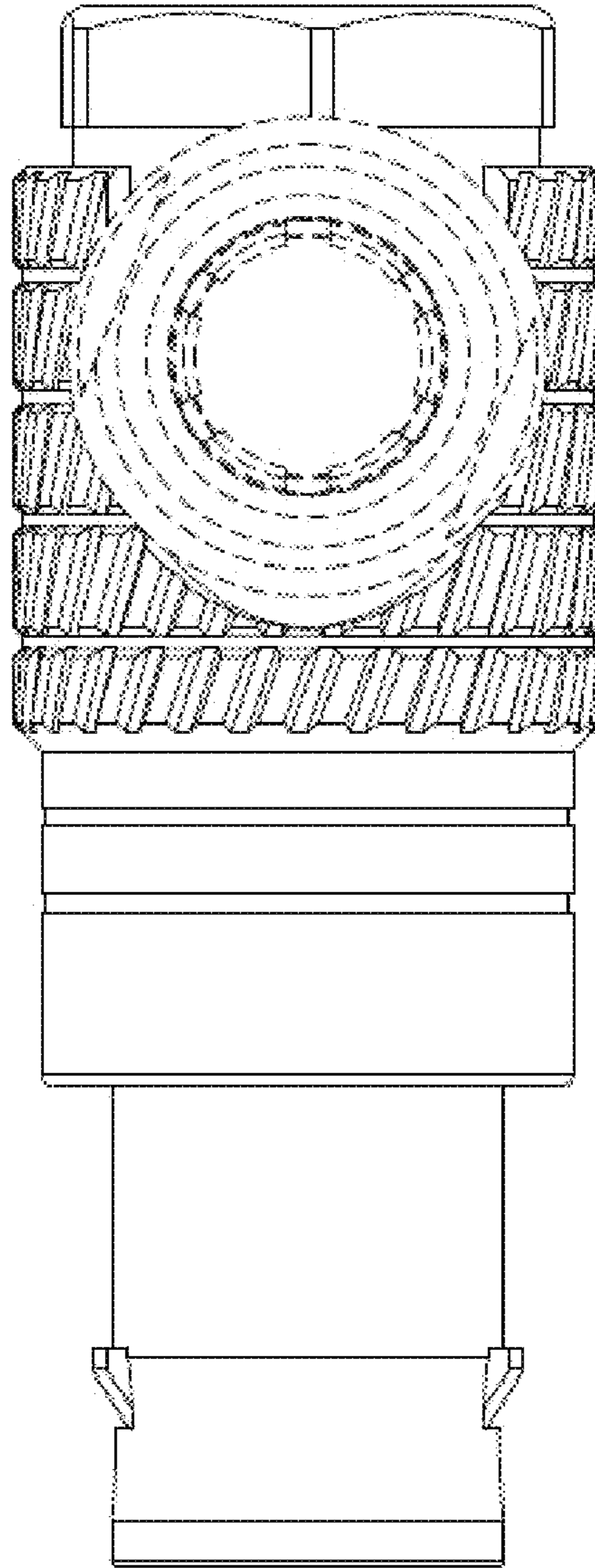


FIG.8