



US0D1000586S

(12)

United States Design Patent
Bian et al.

(10)

Patent No.: US D1,000,586 S

(45)

Date of Patent: ** Oct. 3, 2023

(54) **CONVERTER FOR SANITARY OUTLET VALVES**

(71) Applicant: **Neoperl GmbH**, Mullheim (DE)

(72) Inventors: **Yichao Bian**, Müllheim (DE); **Jacek Kowol**, Gundelfingen (DE)

(73) Assignee: **Neoperl GmbH**, Müllheim (DE)

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

(21) Appl. No.: **29/856,004**

(22) Filed: **Oct. 10, 2022**

Related U.S. Application Data

(62) Division of application No. 29/780,013, filed on Apr. 22, 2021, now Pat. No. Des. 969,969, which is a division of application No. 35/507,794, filed on Mar. 8, 2019 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Mar. 8, 2019, now Pat. No. Des. 920,477.

(51) **LOC (14) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/233**
CPC **F16K 1/00** (2013.01); **F16K 31/145** (2013.01)

(58) **Field of Classification Search**
USPC D23/233–269; D15/5, 7; 137/7, 15.4, 137/515, 843, 859, 332, 529
CPC . F16K 1/00; F16K 15/00; F16K 15/18; F16K 15/026; F16K 15/044
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D309,653 S	7/1990	Kendrick
D442,267 S	5/2001	Kouda
D576,704 S	9/2008	Gilcher
D694,370 S	11/2013	Wilcox

D745,635 S	*	12/2015	Schwarz	.....	D23/213
D758,544 S		6/2016	Greenwood		
D762,819 S		8/2016	Shishido		
D779,046 S		2/2017	Tansey, Jr.		
D799,001 S	*	10/2017	Gooden	.....	D23/213
D799,002 S	*	10/2017	Gooden	.....	D23/213
D820,956 S		6/2018	Ito		
D826,381 S	*	8/2018	Bian	.....	F16K 1/00 D23/233
D849,890 S	*	5/2019	Tempel	.....	D23/233
D856,943 S		8/2019	Gage et al.		
D883,445 S		5/2020	Comstock		
D883,446 S		5/2020	Comstock		
D884,843 S		5/2020	Wildfang		
D895,770 S		9/2020	Bian		
D904,567 S	*	12/2020	Bian	.....	F16K 1/00 D23/233
D911,489 S	*	2/2021	Spooner	.....	D23/213
D920,477 S	*	5/2021	Bian	.....	F16K 31/145 D23/233
D934,991 S	*	11/2021	Amano	.....	D23/213
D936,785 S	*	11/2021	Vaughan	.....	D23/213
D937,384 S	*	11/2021	Khubani	.....	D23/213
11,168,796 B2	*	11/2021	Meyer	.....	F16K 11/048

(Continued)

Primary Examiner — Richard E Chilcot

(74) Attorney, Agent, or Firm — Volpe Koenig

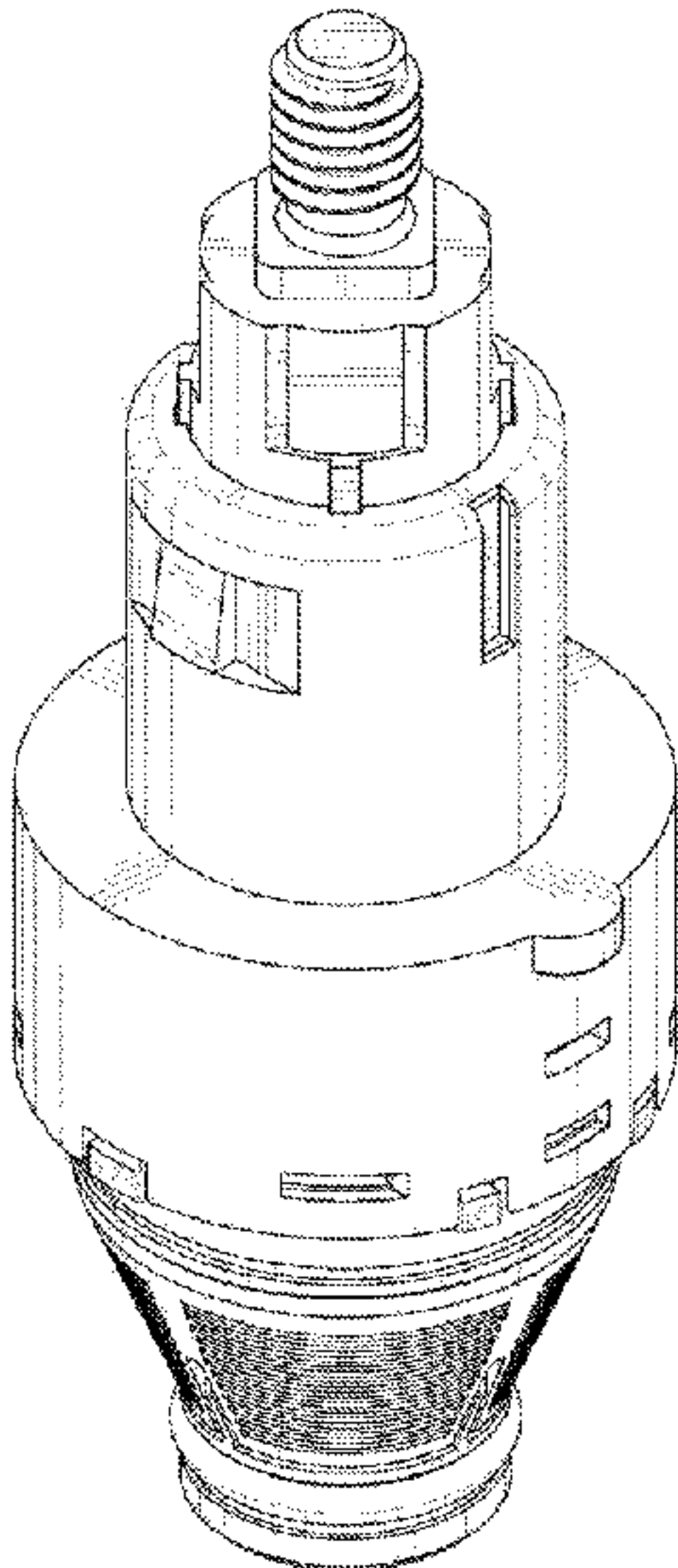
(57) **CLAIM**

The ornamental design for a converter for sanitary outlet valves, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a converter for sanitary outlet valves in accordance with our design;
FIG. 2 is a top, front, left perspective view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a bottom, front, left perspective view thereof;
FIG. 5 is a front elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a rear elevational view thereof; and,
FIG. 8 is a right side elevational view thereof.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

11,261,992	B2 *	3/2022	Tempel	G05D 7/03
D944,290	S	4/2022	Blum	
D949,290	S *	4/2022	Blum	D23/249
D949,292	S *	4/2022	Corre	D23/233
D949,319	S *	4/2022	Jung	D23/393
11,327,509	B2 *	5/2022	Hart	G05D 7/012
2016/0010759	A1 *	1/2016	Tempel	E03C 1/044
				137/468
2017/0343127	A1 *	11/2017	Bian	E03C 1/04
2018/0031141	A1 *	2/2018	Ye	F16K 31/145
2021/0239236	A1 *	8/2021	Tempel	F16K 31/3855
2021/0246997	A1 *	8/2021	Kowol	F16K 31/607

* cited by examiner

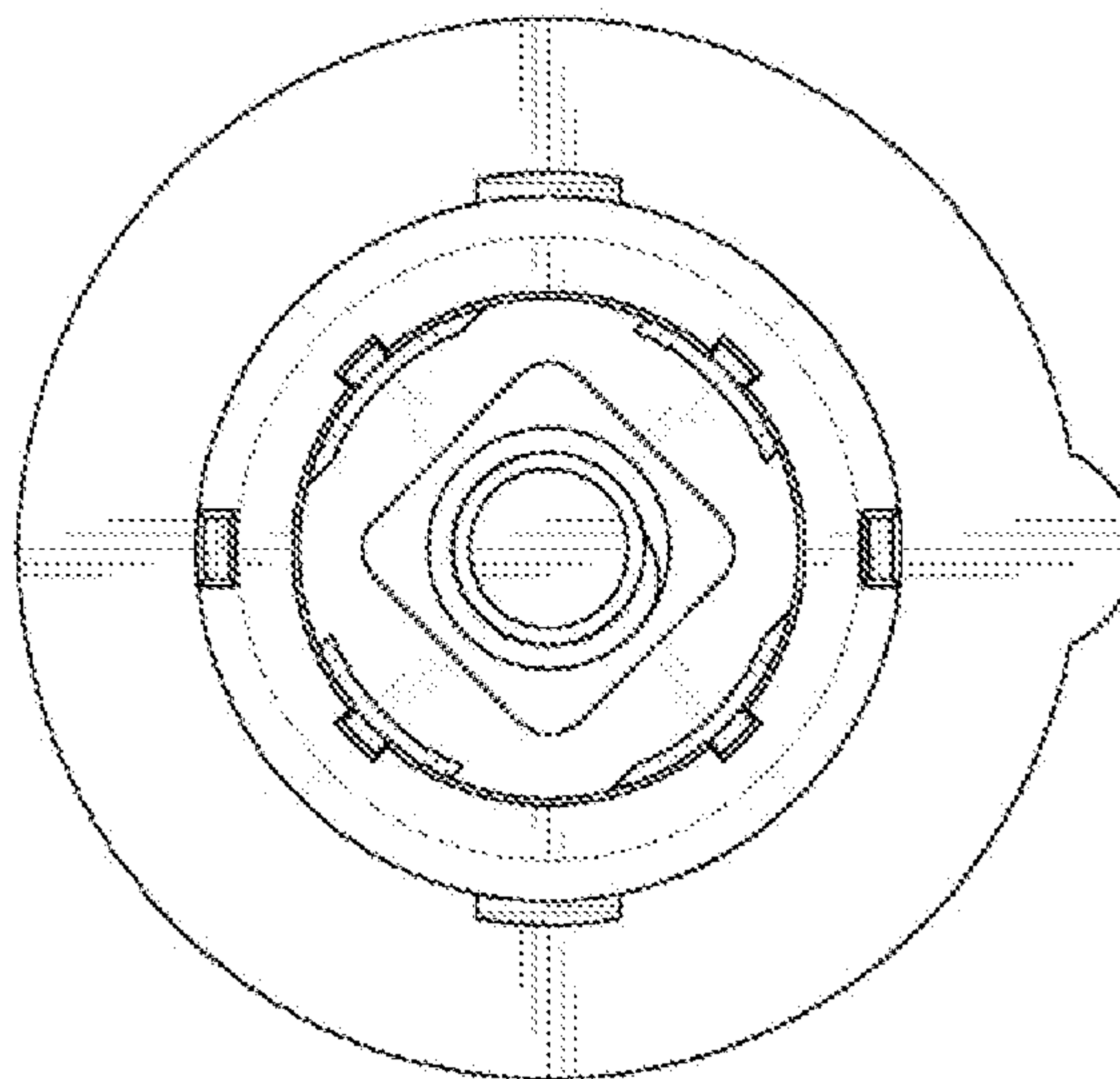


Fig. 1

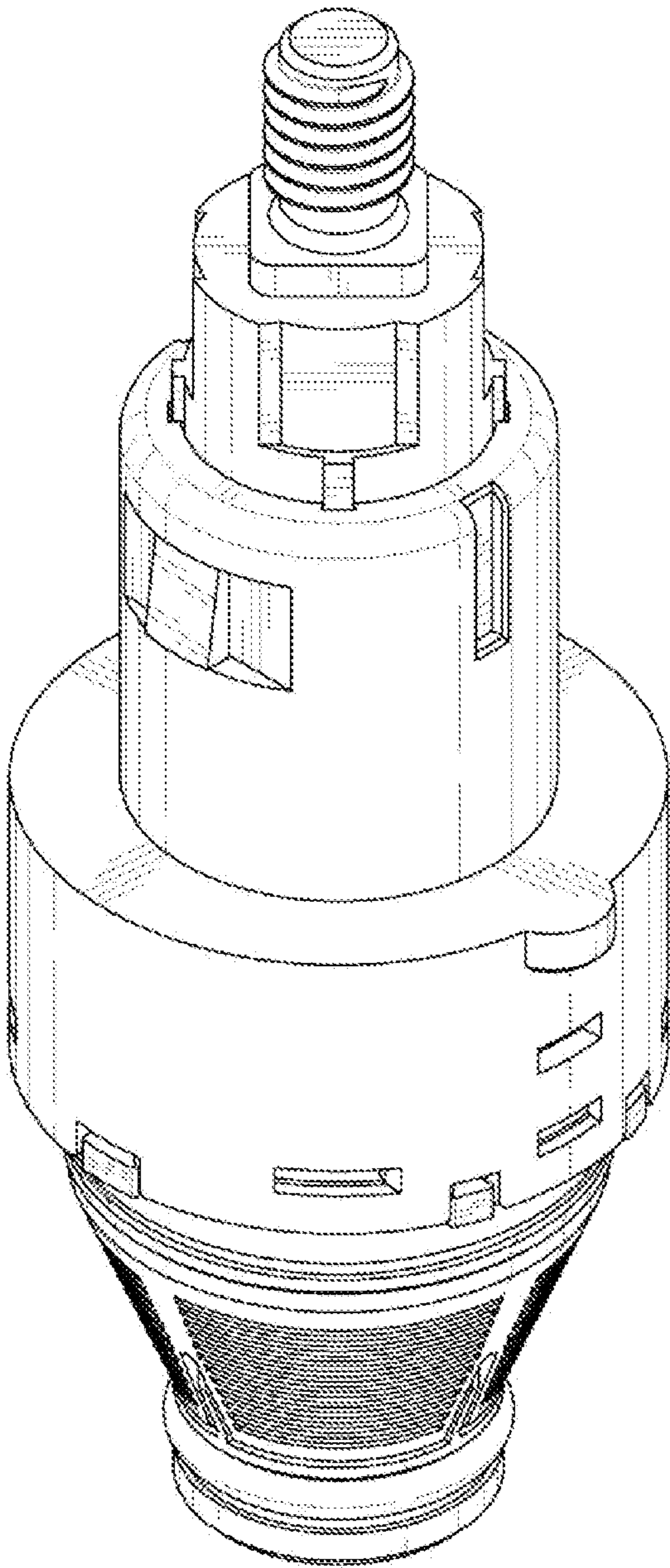


Fig. 2

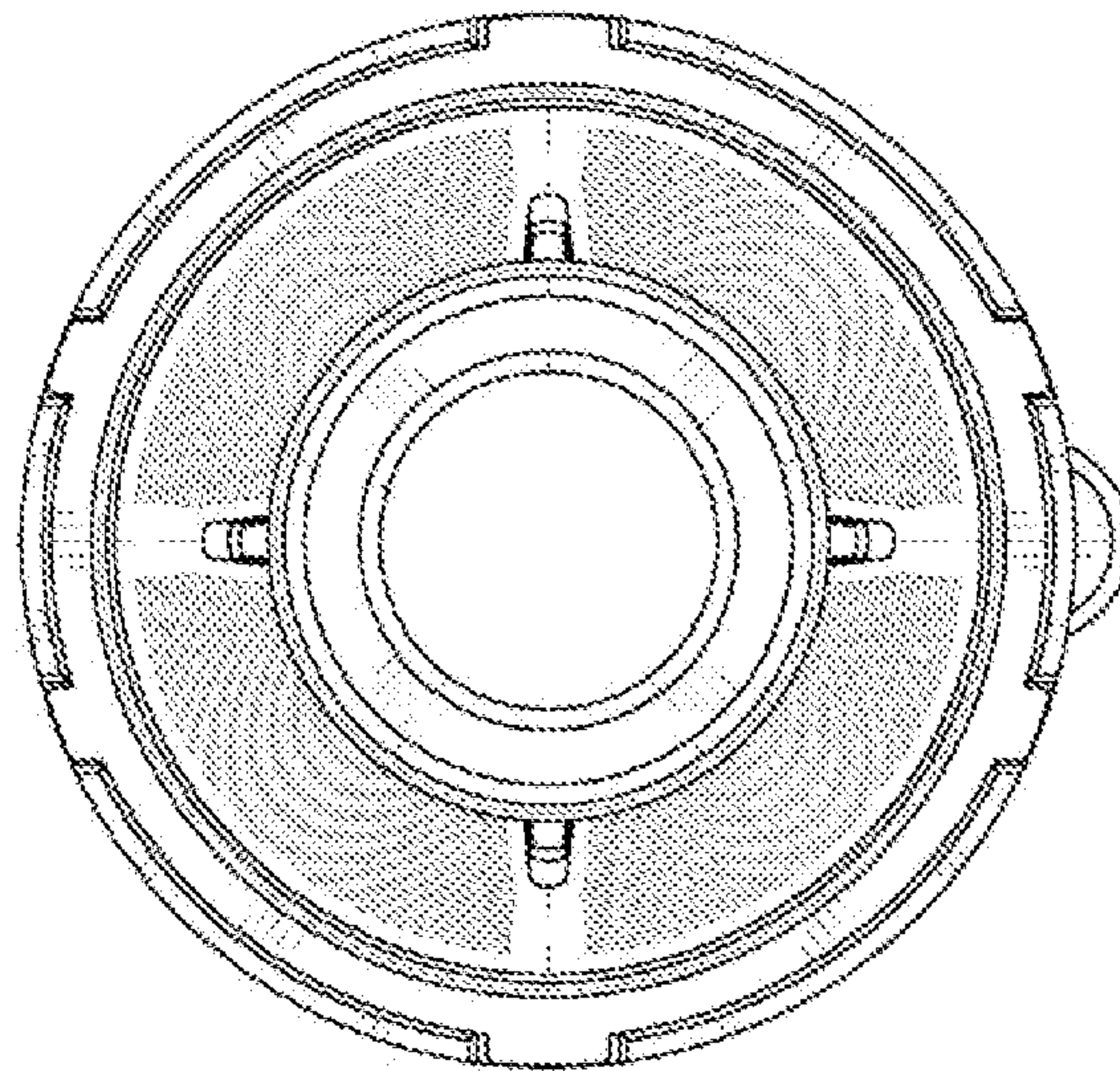


Fig. 3

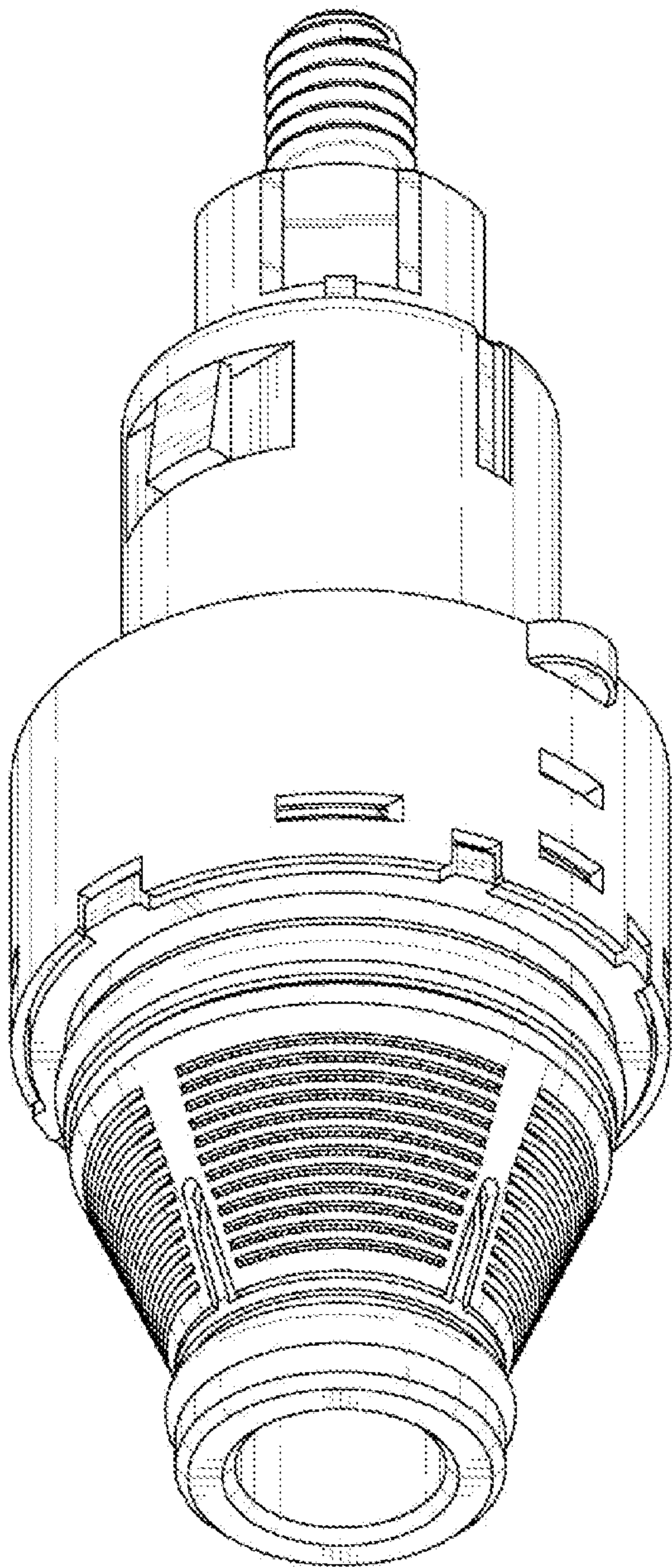


Fig. 4

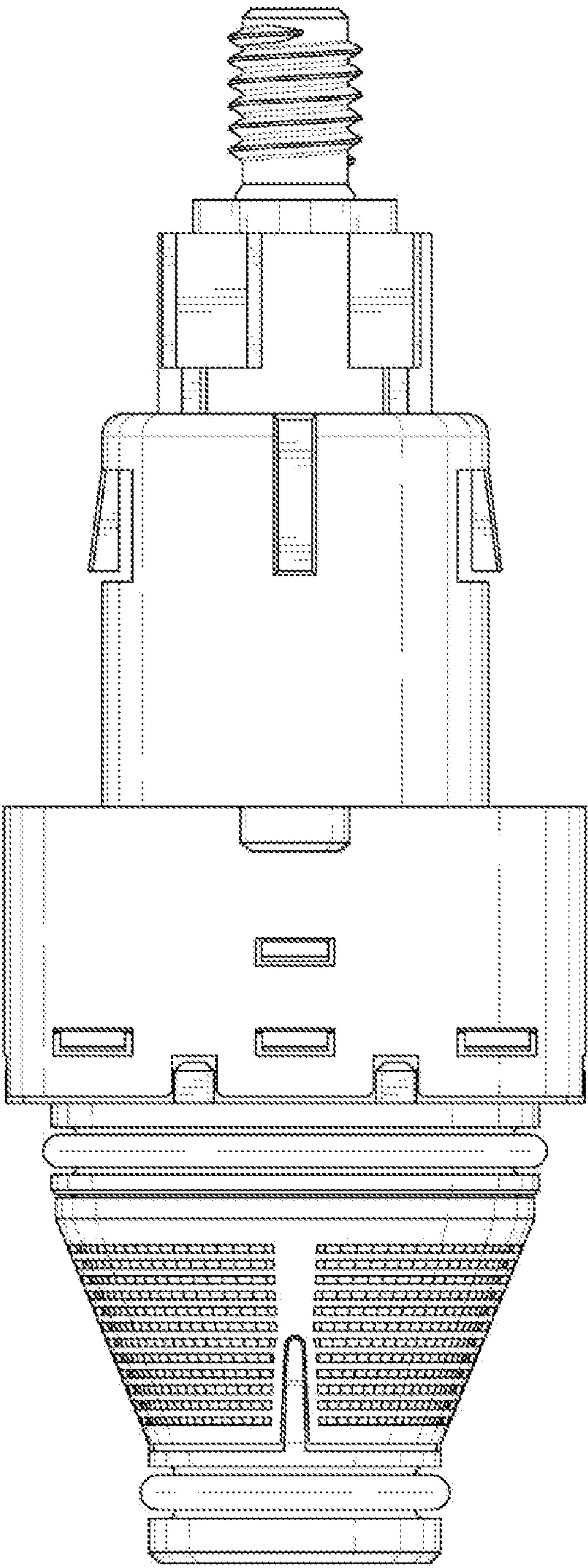


Fig. 5

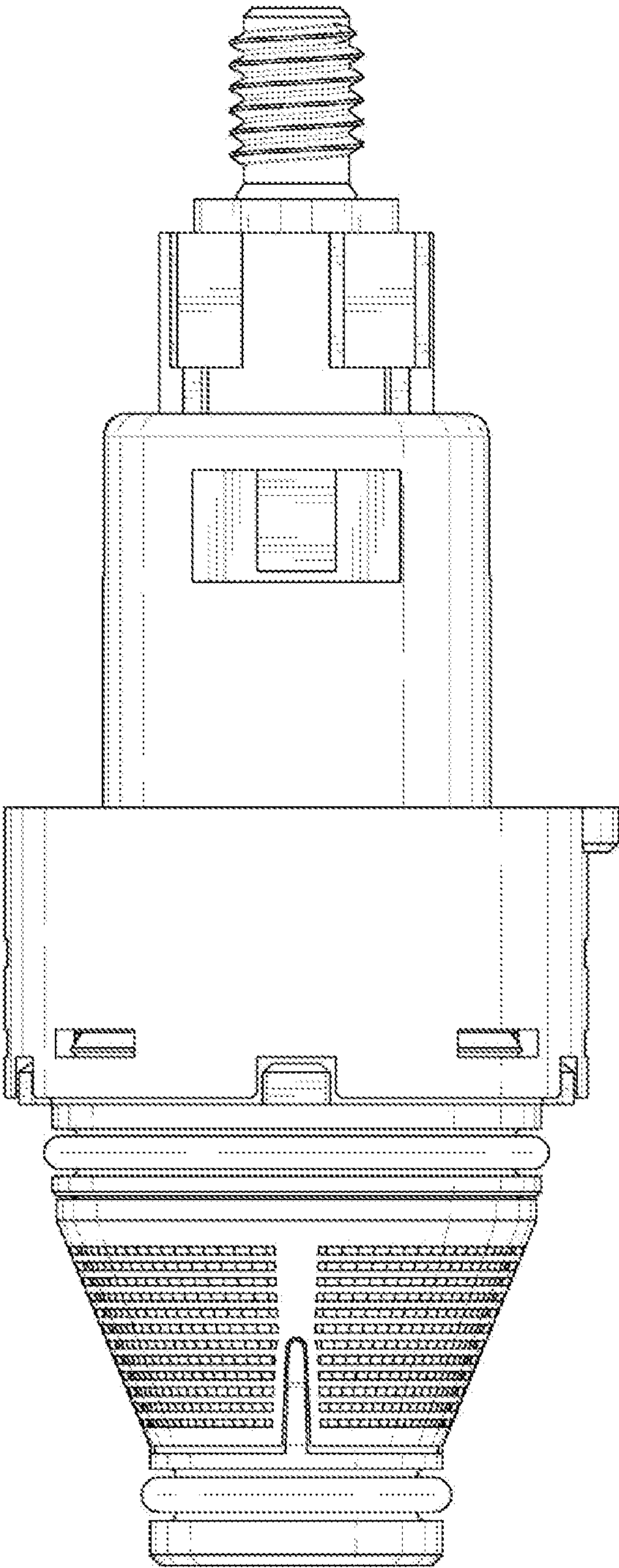


Fig. 6

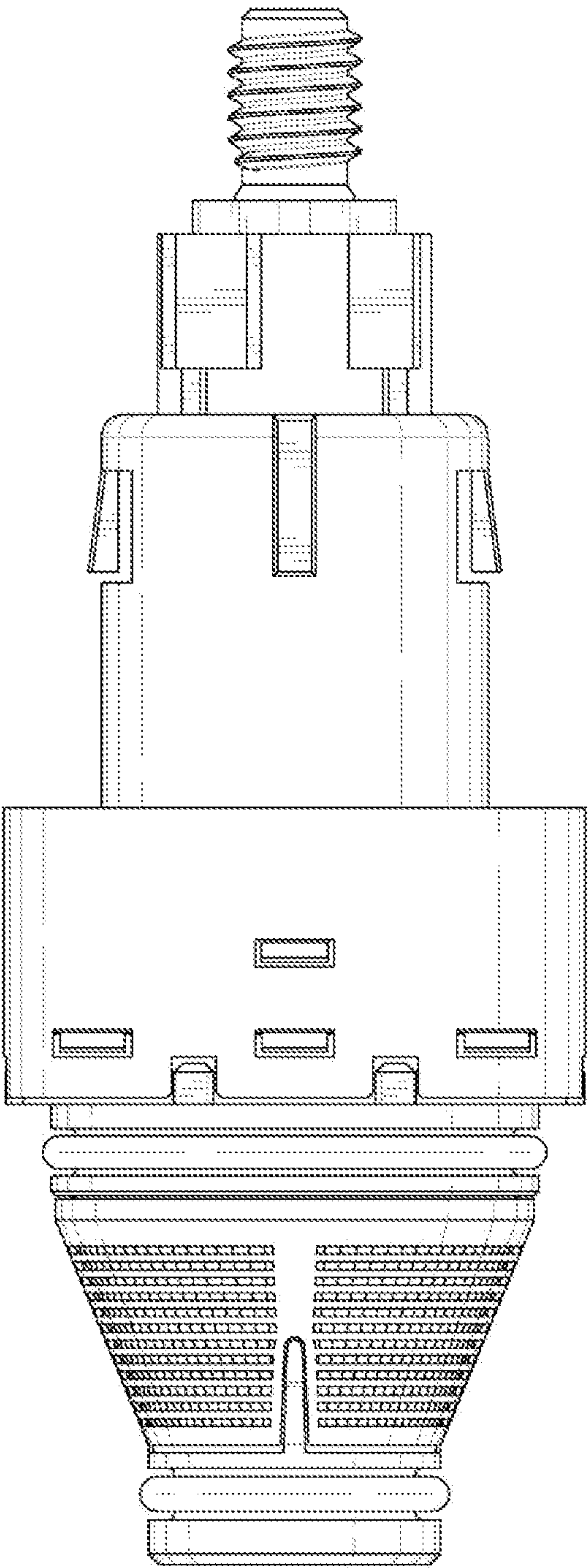


Fig. 7

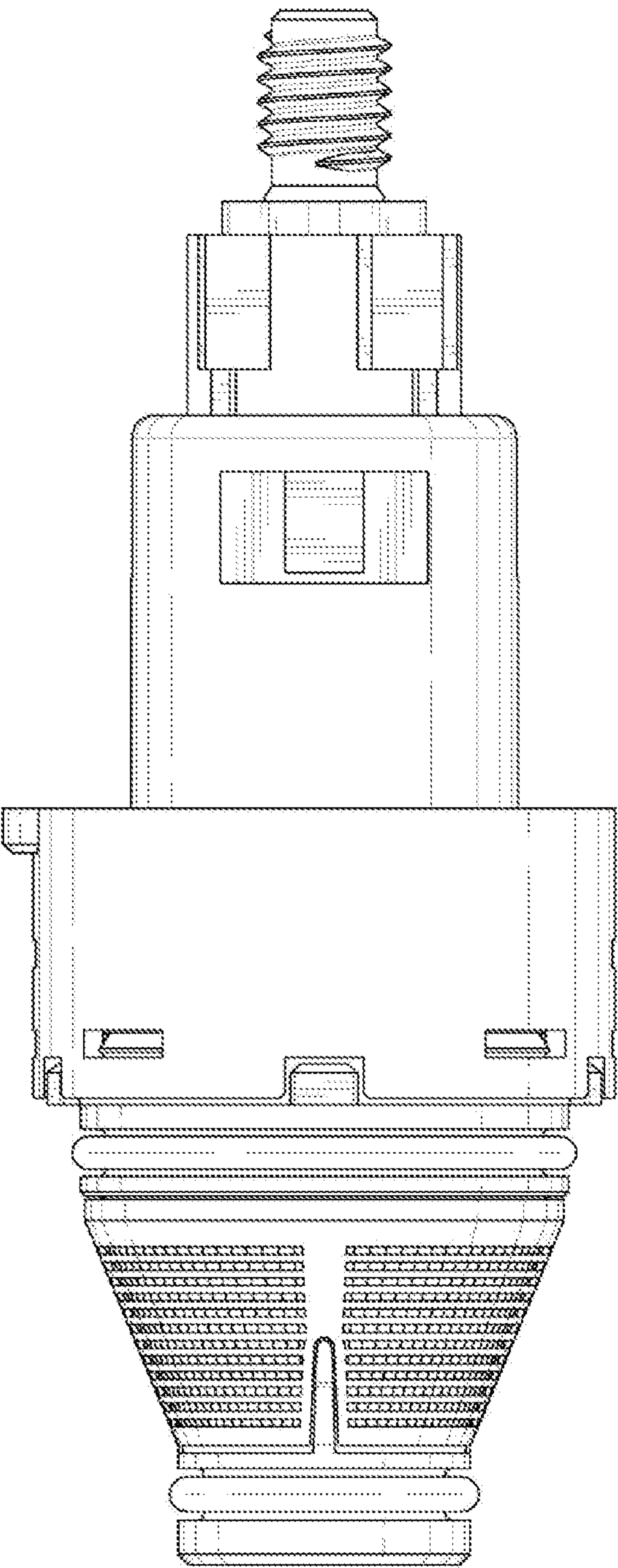


Fig. 8