US00D945565S

(12) **United States Design Patent** (10) **Patent No.: US D945,565 S**
Sakai (45) **Date of Patent: ** Mar. 8, 2022**

(54) **JET CLEANER FOR A VEHICLE EXTERIOR EQUIPMENT OR AN OUTDOOR EQUIPMENT**

(71) Applicant: **KOITO MANUFACTURING CO., LTD.**, Tokyo (JP)

(72) Inventor: **Masaru Sakai**, Shizuoka (JP)

(73) Assignee: **KOITO MANUFACTURING CO., LTD.**, Tokyo (JP)

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

(21) Appl. No.: **29/761,981**

(22) Filed: **Dec. 14, 2020**

(30) **Foreign Application Priority Data**

Jun. 22, 2020 (JP) ..... 2020-012392 D

(51) **LOC (13) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/233**

(58) **Field of Classification Search**
USPC D23/200, 206, 207, 208, 209, 210, 213, D23/233, 314, 324, 325, 328, 332, 333, D23/336, 351, 353, 355, 357
CPC ... E04G 7/16; Y10T 403/30; Y10T 403/7105; Y10T 403/7158; F16L 29/02; F16L 37/40; F16L 37/084; F16L 37/00; F16K 15/188; F16K 15/181
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,026,801	A *	5/1977	Ward	B01J 49/75 210/140
D333,505	S *	2/1993	Matsumura	D23/200
5,486,288	A *	1/1996	Stanford	B01D 35/153 210/235
D439,950	S *	4/2001	Fletcher	D23/207
D446,840	S *	8/2001	Strand	D23/209
D481,442	S *	10/2003	Liu	D23/209
D482,755	S *	11/2003	Rhinehart	D23/207
D486,882	S *	2/2004	Riddell	D23/207
D502,757	S *	3/2005	Mork	D23/207

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2019-156260 A 9/2019

OTHER PUBLICATIONS

Amiad Mini Sigma Automatic Filter, May 7, 2018, youtube.com, Dec. 3, 2021,URL: https://www.youtube.com/watch?v=zoXjRnkqiZc&t=6s (Year: 2018).*

(Continued)

Primary Examiner — Jack Reickel
Assistant Examiner — Keith J Wilson
(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

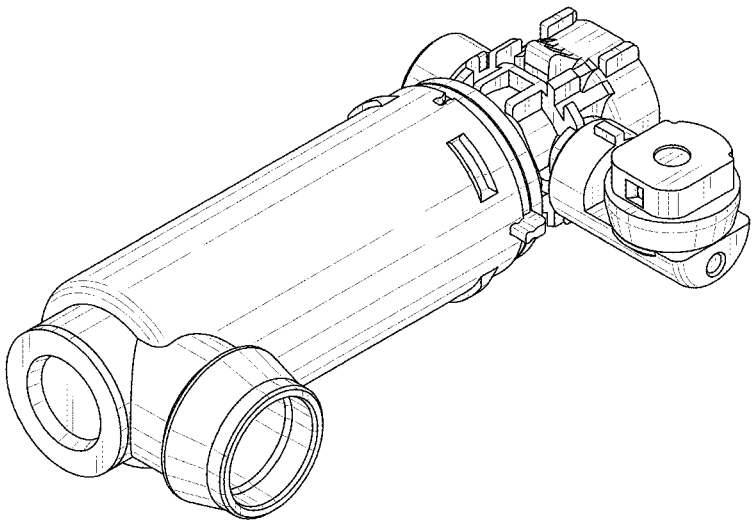
(57) **CLAIM**

The ornamental design for a jet cleaner for a vehicle exterior equipment or an outdoor equipment, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a jet cleaner for a vehicle exterior equipment or an outdoor equipment showing my new design;
FIG. **2** is a front view thereof;
FIG. **3** is a rear view thereof;
FIG. **4** is a left side view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a top view thereof; and,
FIG. **7** is a bottom view thereof.
The broken lines shown are included for the purpose of illustrating the unclaimed portions of a jet cleaner for a vehicle exterior equipment or an outdoor equipment and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D601,225	S *	9/2009	Kurisaki	D10/85
D603,341	S *	11/2009	Kawakami	D13/158
D606,164	S *	12/2009	Kawakami	D23/233
D606,166	S *	12/2009	Gunji	D23/233
D610,233	S *	2/2010	Kurisaki	D23/233
D633,982	S *	3/2011	Palmer	D23/209
7,913,932	B2 *	3/2011	Wu	A01M 7/0046 239/288
D643,506	S *	8/2011	Miles	D23/207
D654,145	S *	2/2012	Chatterjee	D23/207
D682,387	S *	5/2013	Tseng	D23/207
D695,877	S *	12/2013	Geisen	D23/207
D754,630	S *	4/2016	Paterson	D14/204
D755,155	S *	5/2016	Paterson	D14/204
D790,508	S *	6/2017	Lewis	D14/204
D829,687	S *	10/2018	Burlingame	D14/214
D837,182	S *	1/2019	Elmieh	D14/204
D841,774	S *	2/2019	Ghoshal	D23/207
D841,775	S *	2/2019	Ghoshal	D23/207
D844,101	S *	3/2019	Zheng	D23/207
D848,399	S *	5/2019	Burlingame	D14/221
D854,509	S *	7/2019	Wu	D14/168
D855,151	S *	7/2019	Joo	D23/207
2009/0167540	A1 *	7/2009	Struyk	G01P 13/002 340/610
2018/0291911	A1 *	10/2018	Ward	F04B 17/03
2019/0283715	A1	9/2019	Sakai	

OTHER PUBLICATIONS

GE Water Filter System for Entire Home | Premium Water Filtration System Reduces Sediment, Rust & More, Oct. 29, 2012,URL: https://www.amazon.com/dp/B009YA28ES (Year: 2012).*

Office Action dated Dec. 22, 2020 issued by the Japan Patent Office in counterpart Japanese English Design Patent Application No. 2020-012392, English translation.

* cited by examiner

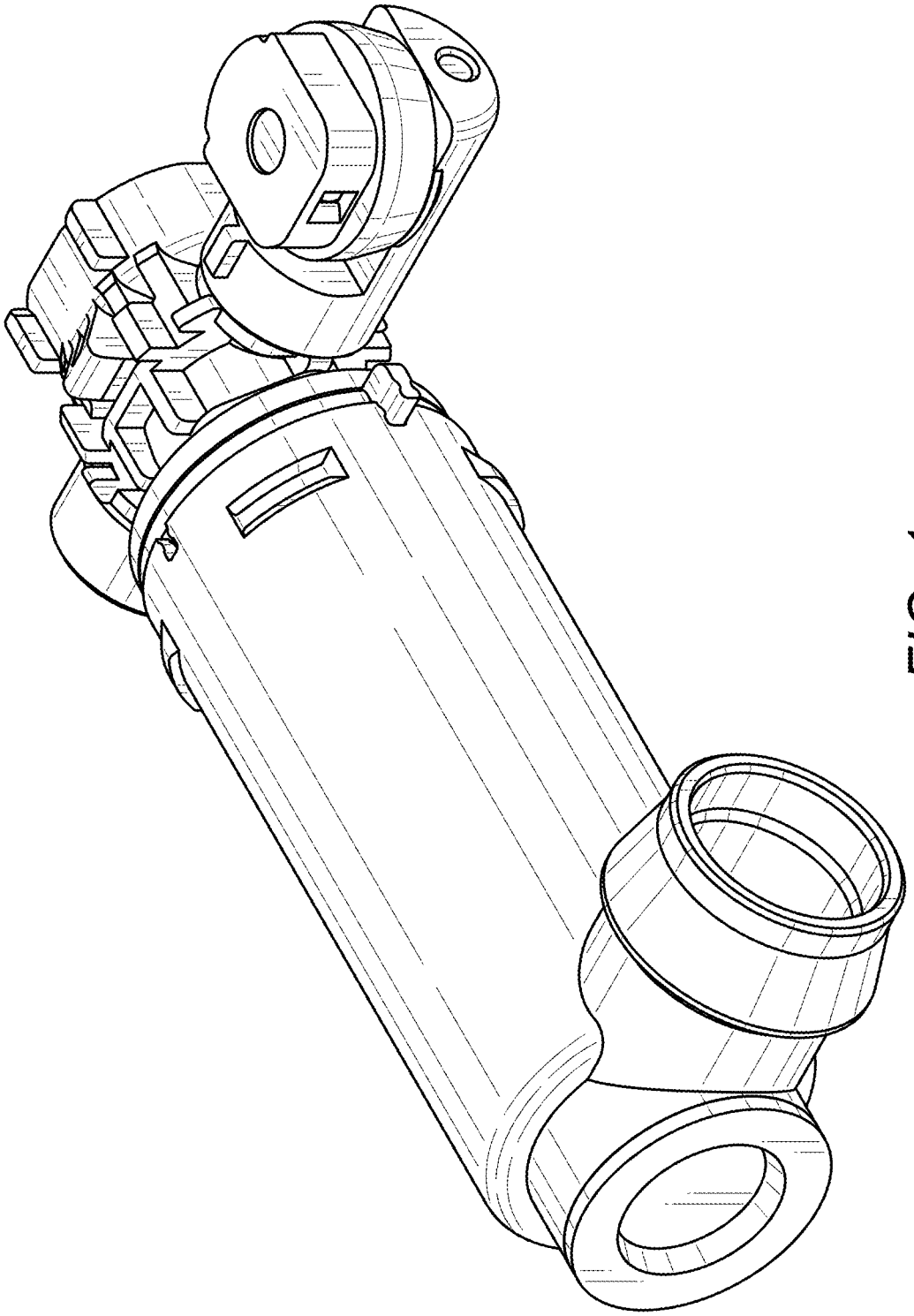


FIG. 1

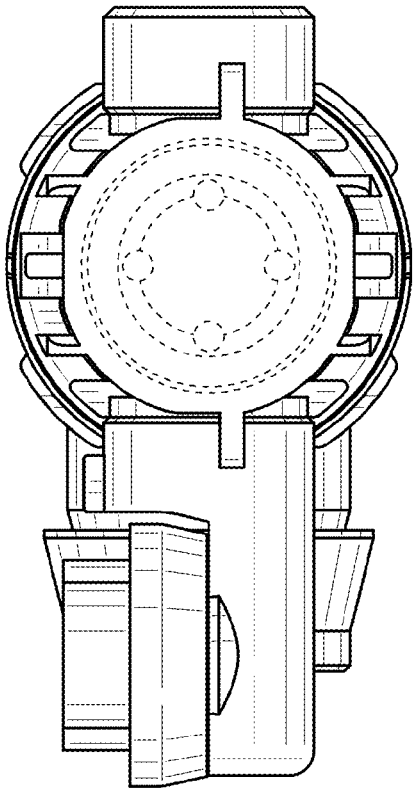


FIG. 2

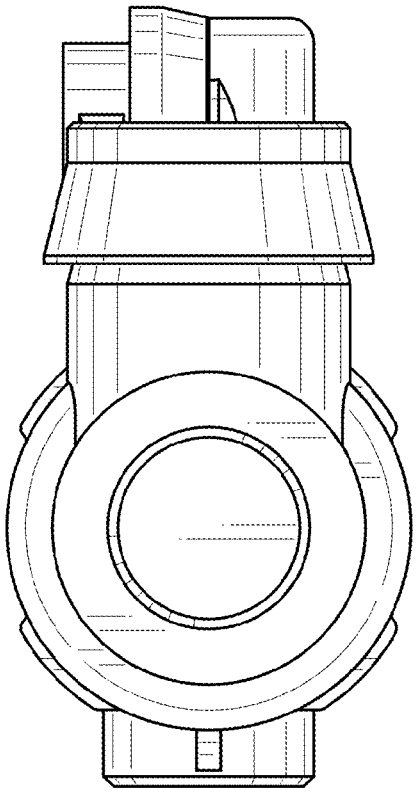


FIG. 3

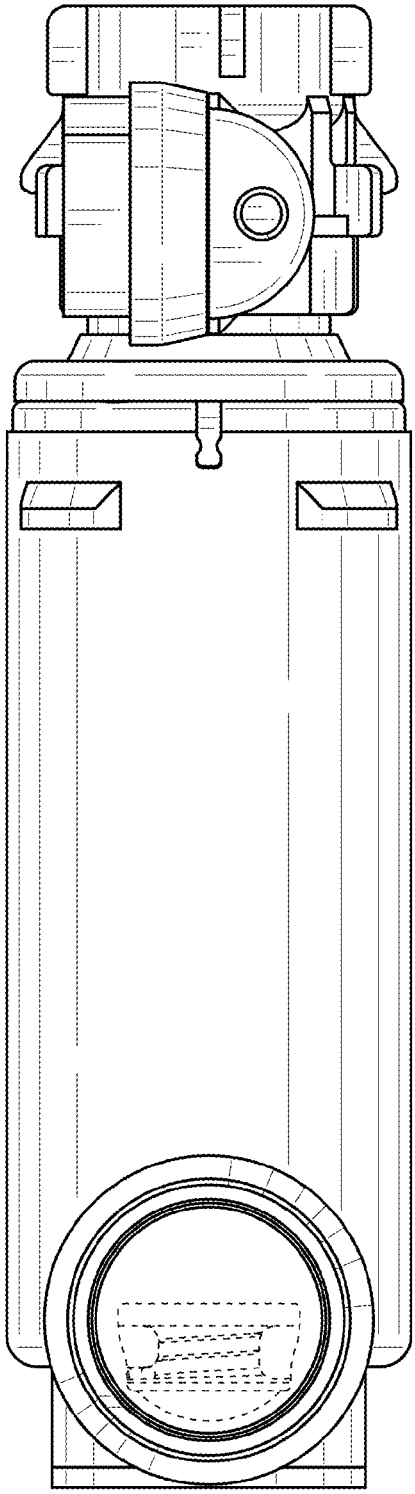


FIG. 4

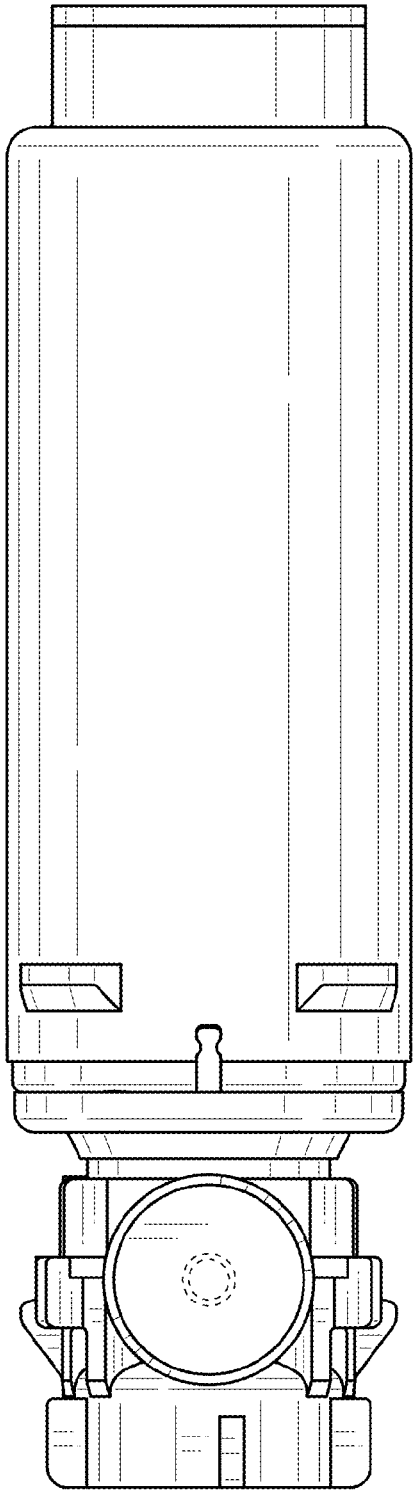


FIG. 5

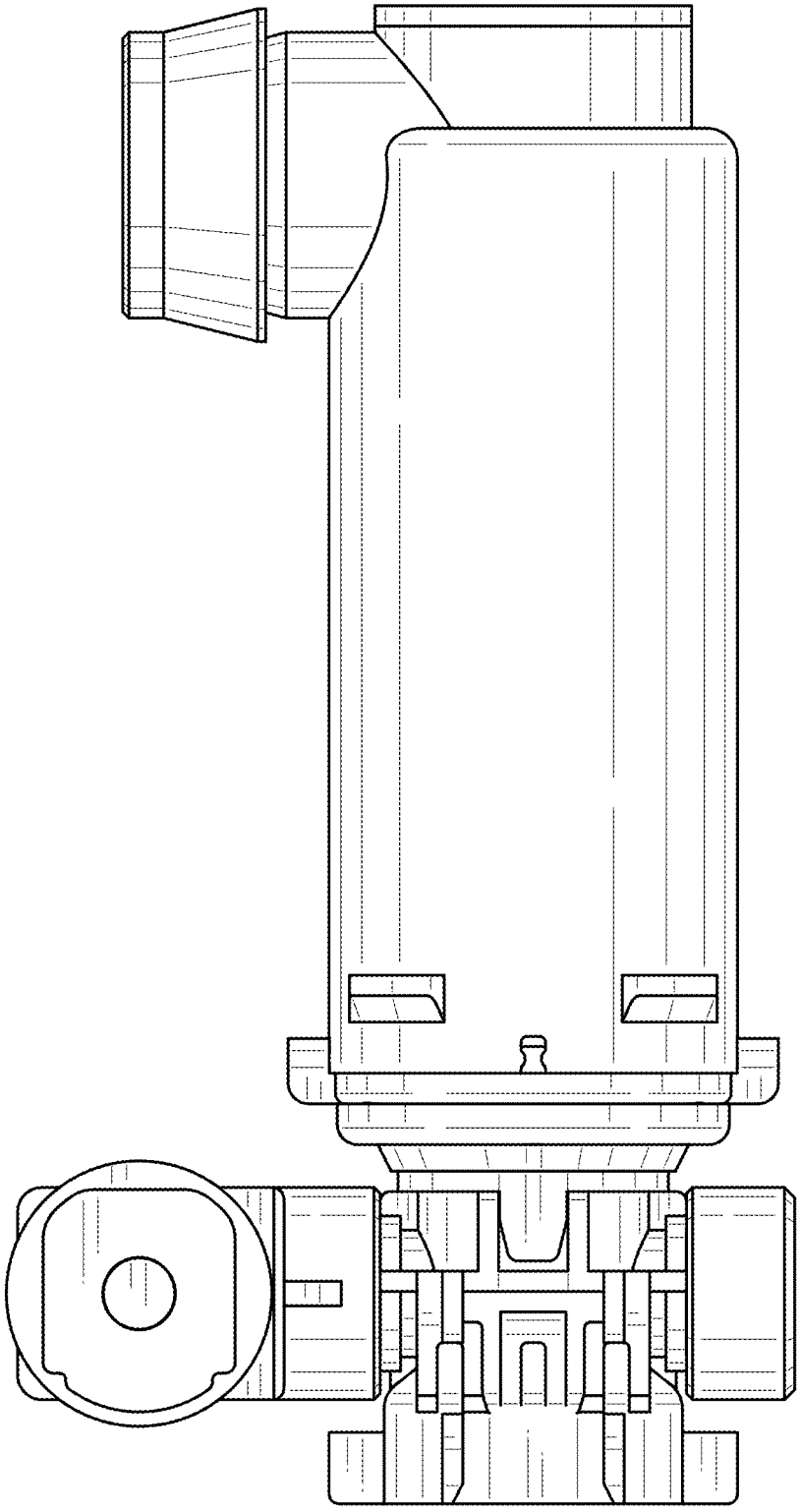


FIG. 6

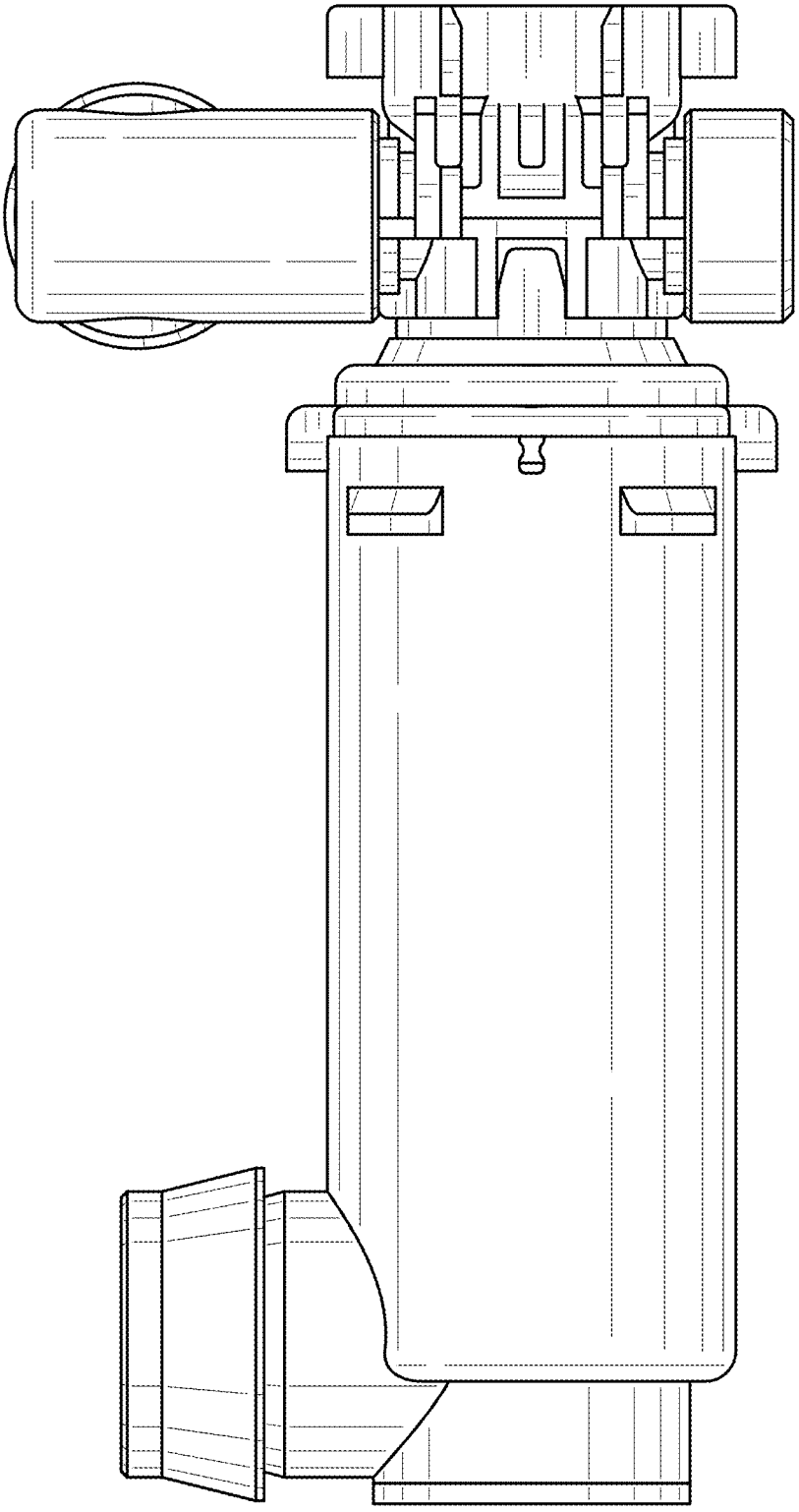


FIG. 7