

US0D1089311S

# (12) United States Design Patent (10) Patent No.:

#### Deneson et al.

## (10) Patent No.: US D1,089,311 S

## (45) Date of Patent: \*\* Aug. 19, 2025

#### (54) **DISPLACEMENT PUMP**

(71) Applicant: **Graco Minnesota Inc.**, Minneapolis, MN (US)

(72) Inventors: **Bret A. Deneson**, Otsego, MN (US); **Thomas E. Pauly**, Zimmerman, MN

(US)

(73) Assignee: Graco Minnesota Inc., Minneapolis,

MN (US)

(\*\*) Term: 15 Years

(21) Appl. No.: 29/908,243

(22) Filed: Jan. 11, 2024

(51) LOC (15) Cl. ...... 15-02

(52) **U.S. Cl.** 

2205/09; F04B 9/14; F04B 23/021; F04D 19/006

See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

3,476,052	Α	*	11/1969	Wagner F04B 7/04	
				417/63	
D271,493	S	*	11/1983	McMullen D15/7	
4,684,334	Α	*	8/1987	Gargas F04B 53/1002	
				137/533.13	
D453,939	S	*	2/2002	Ochiai D15/9	
D456,819	$\mathbf{S}$	*	5/2002	Sebion D15/7	
D752,648	S	aļķ	3/2016	Kopel D15/7	
D752,649	$\mathbf{S}$	*	3/2016	Lins D15/7	
D753,188	$\mathbf{S}$	*	4/2016	Kopel D15/7	
D901,626	$\mathbf{S}$	*	11/2020	Johnston D9/688	
(Continued)					

#### FOREIGN PATENT DOCUMENTS

CN 309218200 \* 4/2025 CN 309281684 \* 5/2025

#### OTHER PUBLICATIONS

Amazon.com \_ 17C487\_17C721 Airless Paint Sprayer Pc Pump, posted date N/A, [retrieved May 21, 2025]. Retrieved from internet, https://www.amazon.com/17C487-17C721-Airless-Quick-Install-Compatible/dp/B0F7L1PKTQ (2025).\*

Primary Examiner — Eric L Goodman
Assistant Examiner — Vincent T Andrews

(74) Attorney, Agent, or Firm — Kinney & Lange, P.A.

#### (57) CLAIM

The ornamental design for a displacement pump as shown and described.

#### DESCRIPTION

FIG. 1 is a first isometric view of the displacement pump;

FIG. 2 is a second isometric view of the displacement pump;

FIG. 3 is a third isometric view of the displacement pump;

FIG. 4 is a fourth isometric view of the displacement pump;

FIG. 5 is a first side elevational view of the displacement

FIG.  $\mathbf{6}$  is a second side elevational view of the displacement pump;

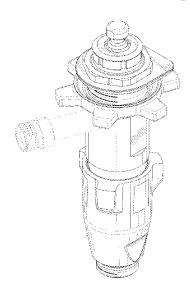
FIG. 7 is a third side elevational view of the displacement

FIG. 8 is a fourth side elevational view of the displacement

FIG. 9 is a top plan view of the displacement pump; and, FIG. 10 is a bottom plan view of the displacement pump.

The broken lines in the Figures show portions of a displacement pump that form no part of the claimed design.

#### 1 Claim, 10 Drawing Sheets



# US D1,089,311 S Page 2

#### (56) **References Cited**

### U.S. PATENT DOCUMENTS

D933,159 S	* 10/2021	Ross D23/213
D1,038,504 S		Cheng D27/162
2006/0177317 A1		Thompson F04B 49/03
		417/63
2009/0008481 A1	* 1/2009	Smith F04B 17/06
		239/581.1
2013/0259707 A1	* 10/2013	Yin F04B 49/06
		417/63 Will F04C 2/22
2014/0301878 A1	* 10/2014	Will F04C 2/22
		418/50
2017/0292506 A1	* 10/2017	Shultz F04B 17/06

<sup>\*</sup> cited by examiner

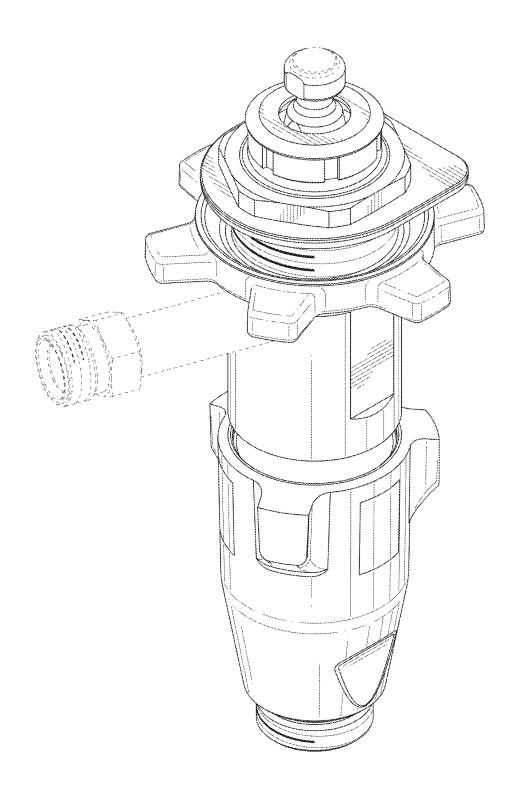


FIG.1

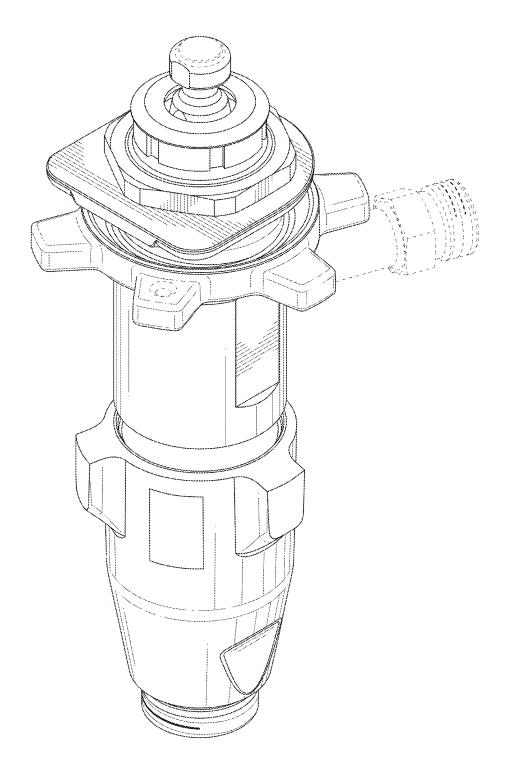


FIG.2

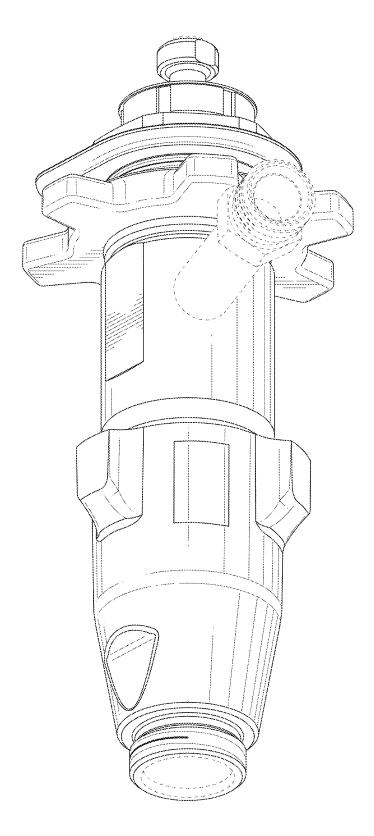


FIG.3

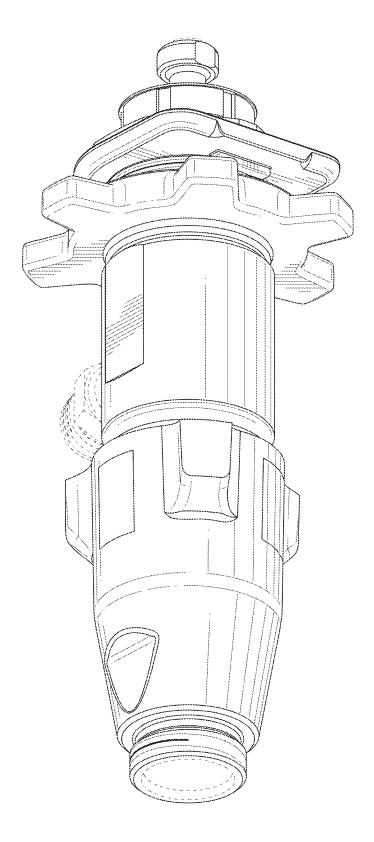


FIG.4

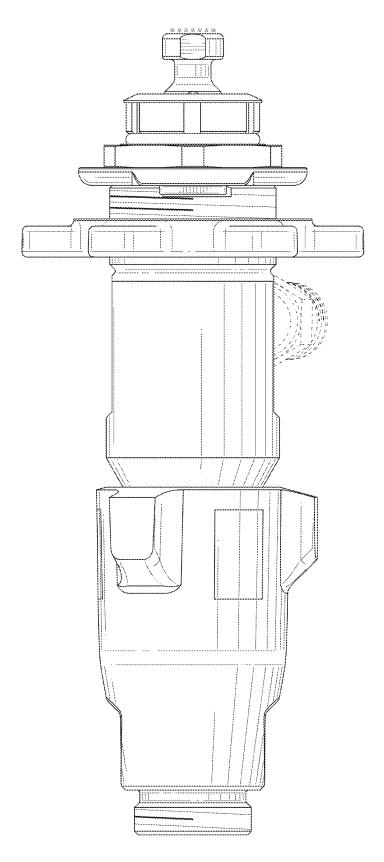


FIG.5

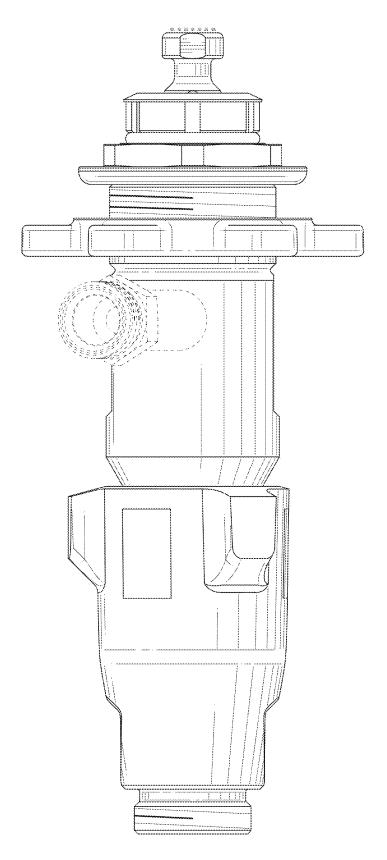


FIG.6

Aug. 19, 2025

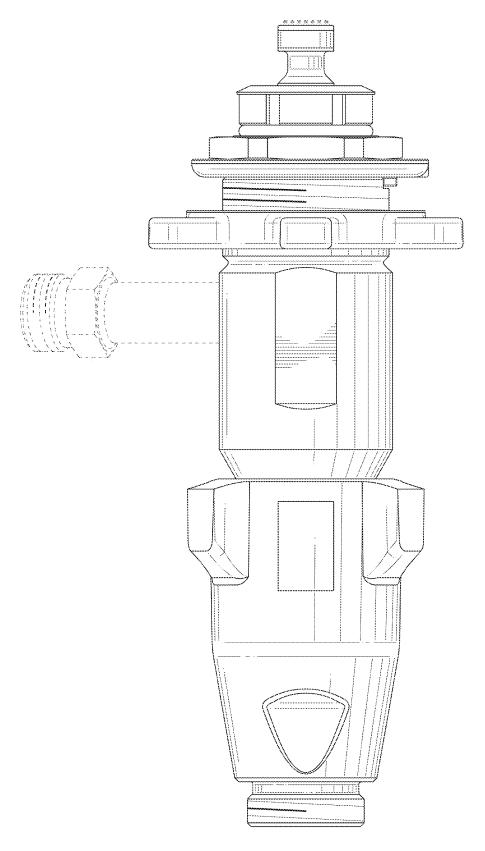


FIG.7

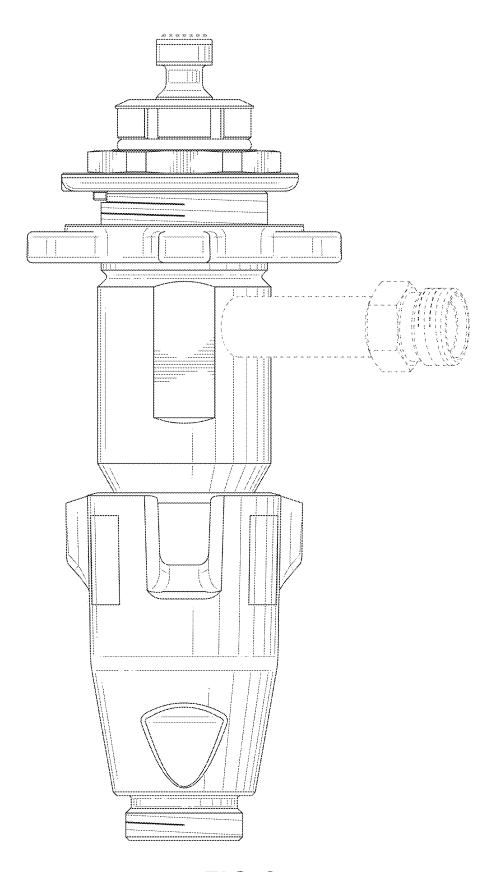


FIG.8

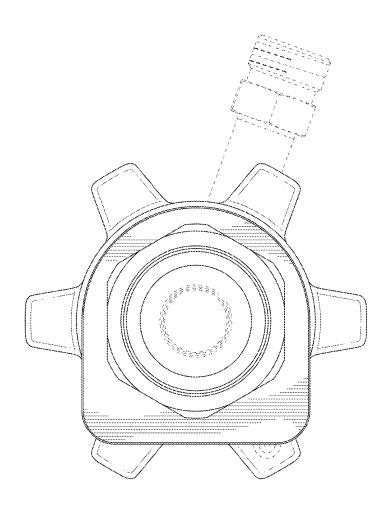


FIG.9

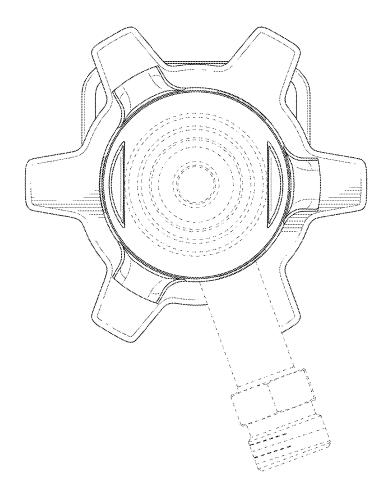


FIG. 10