



(11) **EP 4 306 221 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**03.04.2024 Bulletin 2024/14**

(51) International Patent Classification (IPC):  
**B05B 7/24** <sup>(2006.01)</sup> **E03D 9/08** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**17.01.2024 Bulletin 2024/03**

(52) Cooperative Patent Classification (CPC):  
**B05B 7/2443; E03D 9/08**

(21) Application number: **23166284.2**

(22) Date of filing: **03.04.2023**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA**  
Designated Validation States:  
**KH MA MD TN**

(71) Applicant: **2Go Products, LLC**  
**San Diego, CA 92122 (US)**

(72) Inventors:  
• **GUPTA, Anjum**  
**San Diego, CA 92122 (US)**  
• **DUFFAUT, Theo**  
**San Diego, CA 92122 (US)**

(30) Priority: **12.07.2022 US 202217863198**

(74) Representative: **Studio Torta S.p.A.**  
**Viale Antonio Silvani, 6**  
**40122 Bologna (IT)**

(54) **RESERVOIR DISPENSER FOR A BIDET WASHING APPARATUS**

(57) A reservoir dispenser for a bidet washing apparatus includes a housing unit having at least one chamber (151), wherein the at least one chamber (151) is capable of holding a liquid wash solution; a water inlet (123), a connecting tube, and a water outlet (125), wherein the water inlet (123), the connecting tube and the water outlet (125) are in fluid communication, wherein the connecting

tube is located between the water inlet (123) and the water outlet (125), wherein the connecting tube includes a choke (202), and wherein the water inlet (123), the connecting tube, and the water outlet (125) are connectable to the housing unit; and a suction tube (203) located between and in fluid communication with the at least one chamber (151) and the choke (202).

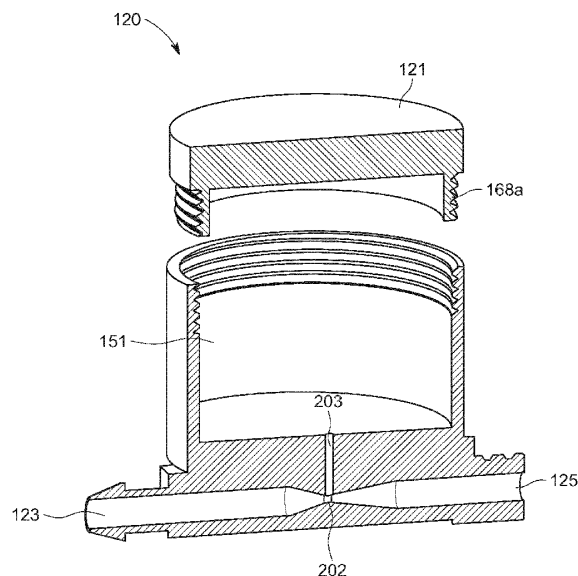


FIG. 31

**EP 4 306 221 A3**



EUROPEAN SEARCH REPORT

Application Number

EP 23 16 6284

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	KR 200 462 813 Y1 (THOMSON) 2 October 2012 (2012-10-02)	1-4, 6	INV. B05B7/24
A	* page 3, paragraph 15 - page 9, paragraph 3; figures 2-5 *	5	ADD. E03D9/08
X	KR 200 475 091 Y1 (THOMSON) 5 November 2014 (2014-11-05)	1-4, 6	
A	* page 4, paragraph 18 - page 10, paragraph 61; figures 10-13 *	5	
			TECHNICAL FIELDS SEARCHED (IPC)
			B05B B65D E03D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		4 December 2023	Fajarnés Jessen, A
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

EPO FORM 1503 03:82 (P04C01)



Application Number

EP 23 16 6284

5

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

10

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

15

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

20

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

25

**see sheet B**

30

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

35

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

40

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

45

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

50

**2-6 (completely); 1 (partially)**

55

The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number  
EP 23 16 6284

5

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

10

**1. claims: 2-6 (completely); 1 (partially)**

15

A reservoir dispenser comprising a water inlet, a connecting tube, and a water outlet in fluid communication, a housing unit having one chamber, the connecting tube being located between the water inlet and the water outlet and including a choke; and a suction tube located between and in fluid communication with the chamber and the choke; the connecting tube being a linear connecting tube or the suction tube being vertically inclined relative to the choke wherein a ratio of a constriction diameter of the choke to a general diameter of the connecting tube is from about 0.15 to about 0.70 or wherein a length of the choke can be modified to adjust how much reduced pressure is achieved in the choke.

---

20

**2. claims: 7-14 (completely); 1 (partially)**

25

A reservoir dispenser comprising a water inlet, a connecting tube, and a water outlet in fluid communication, a housing unit having one chamber, the connecting tube being located between the water inlet and the water outlet and including a choke; and a suction tube located between and in fluid communication with the chamber and the choke, the housing unit having a second chamber, the reservoir dispenser further comprises a lid attachable to the chamber; an activator including the lid and the chamber; and a check valve between the chamber and the choke; the suction tube being located between the check valve and the choke.

---

30

35

**3. claims: 15-18 (completely); 1 (partially)**

40

A reservoir dispenser comprising a water inlet, a connecting tube, and a water outlet in fluid communication, a housing unit having one chamber, the connecting tube being located between the water inlet and the water outlet and including a choke; a suction tube located between and in fluid communication with the chamber and the choke; a lid attachable to the chamber; an activator including a hollow closed ended upper tube, a hollow open ended lower tube that extends into the at least one chamber, and an outlet tube; the outlet tube being connectable to the housing unit; a pump chamber connecting the hollow closed ended upper tube and the hollow open ended lower tube; a check valve in the housing unit between the outlet tube and the choke; and a (further?) suction tube located between the check valve and the choke.

---

45

50

**4. claims: 19 (completely); 1 (partially)**

55



LACK OF UNITY OF INVENTION  
SHEET B

Application Number  
EP 23 16 6284

5

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

10

**A reservoir dispenser comprising a water inlet, a connecting tube, and a water outlet in fluid communication, a housing unit having one chamber, the connecting tube being located between the water inlet and the water outlet and including a choke; a suction tube located between and in fluid communication with the chamber and the choke; and an activator having an activator stem and a stem end; an activator guide surrounding the activator stem; the activator being a push-button.**

15

---

20

25

30

35

40

45

50

55

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 23 16 6284

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-12-2023

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
<b>KR 200462813</b>	<b>Y1</b>	<b>02-10-2012</b>	<b>NONE</b>
<b>KR 200475091</b>	<b>Y1</b>	<b>05-11-2014</b>	<b>NONE</b>

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82