

# **EXHIBIT 1004**



# UNITED STATES PATENT AND TRADEMARK OFFICE

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| APPLICATION NO. | ISSUE DATE | PATENT NO. | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|------------|------------|---------------------|------------------|
| 16/131,035      | 02/09/2021 | 10914056   | DFC-5558-01-US      | 4854             |

79958 7590 01/20/2021  
Masco Corporation  
Bose McKinney & Evans LLP  
111 Monument Circle  
Suite 2700  
Indianapolis, IN 46204

## ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)** (application filed on or after May 29, 2000)

The Patent Term Adjustment is 260 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Mark Cipriani, Carmel, IN;  
Delta Faucet Company, Indianapolis, IN  
Anthony Joseph Tentler, Windfall, IN;  
Jack William Judge, Indianapolis, IN;  
Thad J. Eads, Urbana, IN;  
Michael Scot Rosko, Greenwood, IN;  
Raoul Labrie, Shelbyville, IN;  
Alejandra Lazarini, Carmel, IN;  
Michael J. Veros, Carmel, IN;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit [SelectUSA.gov](http://SelectUSA.gov).

# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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79958 7590 10/07/2020  
Masco Corporation  
Faegre Drinker Biddle & Reath LLP  
300 North Meridian Street  
Suite 2500  
Indianapolis, IN 46204

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

|                         |
|-------------------------|
| (Typed or printed name) |
| VIA ELECTRONIC FILING   |
| (Signature)             |
| (Date)                  |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 16/131.035      | 09/14/2018  | Mark Cipriani        | DFC-5558-01-US      | 4854             |

TITLE OF INVENTION: VESSEL RINSING APPARATUS

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$1200        | \$0.00              | \$0.00               | \$1200           | 01/07/2021 |

| EXAMINER            | ART UNIT | CLASS-SUBCLASS |
|---------------------|----------|----------------|
| TATE-SIMS, CRISTI J | 1711     | 134-104200     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 Faegre Drinker Biddle & Reath LLP

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Delta Faucet Company

Indianapolis, IN

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 02-0390

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Steven C. Wiemer/

Date January 7, 2021

Typed or printed name Steven C. Wiemer

Registration No. 62,897

## Electronic Patent Application Fee Transmittal

|                                                       |                                   |                 |               |                                 |
|-------------------------------------------------------|-----------------------------------|-----------------|---------------|---------------------------------|
| <b>Application Number:</b>                            | 16131035                          |                 |               |                                 |
| <b>Filing Date:</b>                                   | 14-Sep-2018                       |                 |               |                                 |
| <b>Title of Invention:</b>                            | VESSEL RINSING APPARATUS          |                 |               |                                 |
| <b>First Named Inventor/Applicant Name:</b>           | Mark Cipriani                     |                 |               |                                 |
| <b>Filer:</b>                                         | Steven C. Wiemer/Patricia Fonseca |                 |               |                                 |
| <b>Attorney Docket Number:</b>                        | DFC-5558-01-US                    |                 |               |                                 |
| Filed as Large Entity                                 |                                   |                 |               |                                 |
| <b>Filing Fees for    Utility under 35 USC 111(a)</b> |                                   |                 |               |                                 |
| <b>Description</b>                                    | <b>Fee Code</b>                   | <b>Quantity</b> | <b>Amount</b> | <b>Sub-Total in<br/>USD(\$)</b> |
| <b>Basic Filing:</b>                                  |                                   |                 |               |                                 |
| <b>Pages:</b>                                         |                                   |                 |               |                                 |
| <b>Claims:</b>                                        |                                   |                 |               |                                 |
| <b>Miscellaneous-Filing:</b>                          |                                   |                 |               |                                 |
| <b>Petition:</b>                                      |                                   |                 |               |                                 |
| <b>Patent-Appeals-and-Interference:</b>               |                                   |                 |               |                                 |
| <b>Post-Allowance-and-Post-Issuance:</b>              |                                   |                 |               |                                 |
| UTILITY APPL ISSUE FEE                                | 1501                              | 1               | 1200          | 1200                            |

| Description        | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|--------------------|----------|----------|--------|----------------------|
| Extension-of-Time: |          |          |        |                      |
| Miscellaneous:     |          |          |        |                      |
| Total in USD (\$)  |          |          |        | 1200                 |

## Electronic Acknowledgement Receipt

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| <b>EFS ID:</b>                              | 41577680                          |
| <b>Application Number:</b>                  | 16131035                          |
| <b>International Application Number:</b>    |                                   |
| <b>Confirmation Number:</b>                 | 4854                              |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS          |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                     |
| <b>Customer Number:</b>                     | 79958                             |
| <b>Filer:</b>                               | Steven C. Wiemer/Patricia Fonseca |
| <b>Filer Authorized By:</b>                 | Steven C. Wiemer                  |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                    |
| <b>Receipt Date:</b>                        | 07-JAN-2021                       |
| <b>Filing Date:</b>                         | 14-SEP-2018                       |
| <b>Time Stamp:</b>                          | 09:40:58                          |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)       |

### Payment information:

|                                          |                  |
|------------------------------------------|------------------|
| Submitted with Payment                   | yes              |
| Payment Type                             | CARD             |
| Payment was successfully received in RAM | \$ 1200          |
| RAM confirmation Number                  | E202117041269536 |
| Deposit Account                          | 020390           |
| Authorized User                          | Patricia Fonseca |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

| <b>File Listing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |                                                   |                                           |                  |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|-------------------------------------------|------------------|------------------|
| Document Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Document Description        | File Name                                         | File Size(Bytes)/<br>Message Digest       | Multi Part /.zip | Pages (if appl.) |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Issue Fee Payment (PTO-85B) | 20210107_DFC-5558-01-US_Issue_Fee_Transmittal.pdf | 359204                                    | no               | 1                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                                                   | 71a553658ddfd0ae1b57fc06e31f2055d7607b1e2 |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                                                   |                                           |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |                                                   |                                           |                  |                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fee Worksheet (SB06)        | fee-info.pdf                                      | 30314                                     | no               | 2                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |                                                   | c85fb8ee7a4c70d8fe698413c2e7fb0c9db6401b  |                  |                  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                                                   |                                           |                  |                  |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |                                                   |                                           |                  |                  |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |                                                   | 389518                                    |                  |                  |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                             |                                                   |                                           |                  |                  |



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www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

79958 7590 10/07/2020  
Masco Corporation  
Faegre Drinker Biddle & Reath LLP  
300 North Meridian Street  
Suite 2500  
Indianapolis, IN 46204

EXAMINER

TATE-SIMS, CRISTI J

ART UNIT

PAPER NUMBER

1711

DATE MAILED: 10/07/2020

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 16/131,035      | 09/14/2018  | Mark Cipriani        | DFC-5558-01-US      | 4854             |

TITLE OF INVENTION: VESSEL RINSING APPARATUS

| APPLN. TYPE    | ENTITY STATUS | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|---------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | UNDISCOUNTED  | \$1200        | \$0.00              | \$0.00               | \$1200           | 01/07/2021 |

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at [www.uspto.gov/PatentMaintenanceFees](http://www.uspto.gov/PatentMaintenanceFees).**

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|                         |
|-------------------------|
| (Typed or printed name) |
| (Signature)             |
| (Date)                  |

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(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 \_\_\_\_\_

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2 \_\_\_\_\_

3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. \_\_\_\_\_

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☐ Applicant asserting small entity status. See 37 CFR 1.27

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**NOTE:** Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

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**NOTE:** Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

**NOTE:** This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_



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| APPLICATION NO.                                                                                                             | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|---------------------|------------------|
| 16/131,035                                                                                                                  | 09/14/2018  | Mark Cipriani        | DFC-5558-01-US      | 4854             |
| 79958                                                                                                                       | 7590        | 10/07/2020           | EXAMINER            |                  |
| Masco Corporation<br>Faegre Drinker Biddle & Reath LLP<br>300 North Meridian Street<br>Suite 2500<br>Indianapolis, IN 46204 |             |                      | TATE-SIMS, CRISTI J |                  |
|                                                                                                                             |             |                      | ART UNIT            | PAPER NUMBER     |
|                                                                                                                             |             |                      | 1711                |                  |
| DATE MAILED: 10/07/2020                                                                                                     |             |                      |                     |                  |

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

|                               |                                       |                                        |                                 |
|-------------------------------|---------------------------------------|----------------------------------------|---------------------------------|
| <b>Notice of Allowability</b> | <b>Application No.</b><br>16/131,035  | <b>Applicant(s)</b><br>Cipriani et al. |                                 |
|                               | <b>Examiner</b><br>CRISTI J TATE-SIMS | <b>Art Unit</b><br>1711                | <b>AIA (FITF) Status</b><br>Yes |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed September 24, 2020.  
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_\_.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_\_; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-36. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

**Certified copies:**

a) ☐ All      b) ☐ Some      \*c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)<br>2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>9/24/2020</u> .<br>3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material _____.<br>4. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date. _____. | 5. <input type="checkbox"/> Examiner's Amendment/Comment<br>6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance<br>7. <input type="checkbox"/> Other _____. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

/CRISTI J TATE-SIMS/  
Primary Examiner, Art Unit 1711

## **DETAILED ACTION**

### ***Reasons for Allowance***

1. The following is an examiner's statement of reasons for allowance: the closest prior art of record Thomas (US 2011/0061754 cited in IDS) in view of FR2543426A3 (cited in IDS Espacenet translation) fails to teach or suggest an escutcheon having a drain channel configured to receive water from the drain bowl and discharge water above and into a sink basin support by the mounting deck. Thomas in view of FR2543426A3 further fails to teach or suggest a removable plate supported by and configured to move with the trigger of the fluid discharge member.

### ***Conclusion***

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hensley (US 2004/0060109) and Nightlinger (US 2014/0215709).

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CRISTI J TATE-SIMS whose telephone number is (571)272-1722. The examiner can normally be reached on M-F 9am-6pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on 571-272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see <https://ppair-my.uspto.gov/pair/PrivatePair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CRISTI J. TATE-SIMS  
Primary Examiner  
Art Unit 1711

/CRISTI J TATE-SIMS/  
Primary Examiner, Art Unit 1711

|                                          |                                       |  |                                                               |             |
|------------------------------------------|---------------------------------------|--|---------------------------------------------------------------|-------------|
| <b><i>Notice of References Cited</i></b> | Application/Control No.<br>16/131,035 |  | Applicant(s)/Patent Under<br>Reexamination<br>Cipriani et al. |             |
|                                          | Examiner<br>CRISTI J TATE-SIMS        |  | Art Unit<br>1711                                              | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name                       | CPC Classification | US Classification |
|---|---|--------------------------------------------------|-----------------|----------------------------|--------------------|-------------------|
| * | A | US-20040060109-A1                                | 04-2004         | Hensley, Donald L.         | E03C1/04           | 4/675             |
| * | B | US-20140215709-A1                                | 08-2014         | Nightlinger; Scott Anthony | E03C1/04           | 4/677             |
|   | C |                                                  |                 |                            |                    |                   |
|   | D |                                                  |                 |                            |                    |                   |
|   | E |                                                  |                 |                            |                    |                   |
|   | F |                                                  |                 |                            |                    |                   |
|   | G |                                                  |                 |                            |                    |                   |
|   | H |                                                  |                 |                            |                    |                   |
|   | I |                                                  |                 |                            |                    |                   |
|   | J |                                                  |                 |                            |                    |                   |
|   | K |                                                  |                 |                            |                    |                   |
|   | L |                                                  |                 |                            |                    |                   |
|   | M |                                                  |                 |                            |                    |                   |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | CPC Classification |
|---|---|--------------------------------------------------|-----------------|---------|------|--------------------|
|   | N |                                                  |                 |         |      |                    |
|   | O |                                                  |                 |         |      |                    |
|   | P |                                                  |                 |         |      |                    |
|   | Q |                                                  |                 |         |      |                    |
|   | R |                                                  |                 |         |      |                    |
|   | S |                                                  |                 |         |      |                    |
|   | T |                                                  |                 |         |      |                    |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|-------------------------------------------------------------------------------------------|
|   | U |                                                                                           |
|   | V |                                                                                           |
|   | W |                                                                                           |
|   | X |                                                                                           |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                                                                                                 |                                              |                                                                   |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                 | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

| <b>CPC - Searched*</b>    |             |                 |
|---------------------------|-------------|-----------------|
| <b>Symbol</b>             | <b>Date</b> | <b>Examiner</b> |
| A47L15/0065 with keywords | 07/20/2020  | CTS             |
| A47L15/16 with keywords   | 07/20/2020  | CTS             |
| A47L15/42 with keywords   | 07/20/2020  | CTS             |
| A47L15/4278 with keywords | 07/20/2020  | CTS             |
| E03C1/0404 with keywords  | 07/20/2020  | CTS             |
| B05B12/002 with keywords  | 07/20/2020  | CTS             |
| B05B1/28 with keywords    | 07/20/2020  | CTS             |
| B08B9/34 with keywords    | 07/20/2020  | CTS             |
| E03C1/04 with keywords    | 07/20/2020  | CTS             |
| A47L15/0065 with keywords | 09/28/2020  | CTS             |
| A47L15/16 with keywords   | 09/28/2020  | CTS             |
| A47L15/42 with keywords   | 09/28/2020  | CTS             |
| A47L15/4278 with keywords | 09/28/2020  | CTS             |
| E03C1/0404 with keywords  | 09/28/2020  | CTS             |
| B05B12/002 with keywords  | 09/28/2020  | CTS             |
| B05B1/28 with keywords    | 09/28/2020  | CTS             |
| B08B9/34 with keywords    | 09/28/2020  | CTS             |
| E03C1/04 with keywords    | 09/28/2020  | CTS             |

| <b>CPC Combination Sets - Searched*</b>                                                                                                           |             |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|
| <b>Symbol</b>                                                                                                                                     | <b>Date</b> | <b>Examiner</b> |
| (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. and (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc. with keywords | 07/20/2020  | CTS             |

|                                                         |  |
|---------------------------------------------------------|--|
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 |  |
|---------------------------------------------------------|--|

|                                                                                                                 |                                              |                                                                   |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                 | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

| US Classification - Searched* |                     |            |          |
|-------------------------------|---------------------|------------|----------|
| Class                         | Subclass            | Date       | Examiner |
| 134                           | 104.2 with keywords | 07/20/2020 | CTS      |
| 134                           | 104.2 with keywords | 09/28/2020 | CTS      |

\* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

| Search Notes                 |            |          |
|------------------------------|------------|----------|
| Search Notes                 | Date       | Examiner |
| EAST assignee search         | 07/20/2020 | CTS      |
| EAST inventor search         | 07/20/2020 | CTS      |
| EAST search history attached | 07/20/2020 | CTS      |
| EAST search history attached | 09/29/2020 | CTS      |

| Interference Search |                       |            |          |
|---------------------|-----------------------|------------|----------|
| US Class/CPC Symbol | US Subclass/CPC Group | Date       | Examiner |
| 134                 | 104.2 with keywords   | 09/28/2020 | CTS      |
| A47L15              | 0065 with keywords    | 09/28/2020 | CTS      |
| A47L15              | 16 with keywords      | 09/28/2020 | CTS      |
| A47L15              | 42 with keywords      | 09/28/2020 | CTS      |
| A47L15              | 4278 with keywords    | 09/28/2020 | CTS      |
| E03C1               | 0404 with keywords    | 09/28/2020 | CTS      |
| B05B12              | 002 with keywords     | 09/28/2020 | CTS      |
| B05B1               | 28 with keywords      | 09/28/2020 | CTS      |
| B08B9               | 34 with keywords      | 09/28/2020 | CTS      |
| E03C1               | 04 with keywords      | 09/28/2020 | CTS      |

|                                                         |  |
|---------------------------------------------------------|--|
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 |  |
|---------------------------------------------------------|--|

|                                                                                                                  |                                              |                                                                   |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                  | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

| CPC    |   |    |   |      |      |            |
|--------|---|----|---|------|------|------------|
| Symbol |   |    |   |      | Type | Version    |
| E03C   | / | 1  | / | 0404 | F    | 2013-01-01 |
| B05B   | / | 12 | / | 002  | A    | 2013-01-01 |
| B05B   | / | 1  | / | 28   | A    | 2013-01-01 |
| B08B   | / | 9  | / | 34   | A    | 2013-01-01 |

| CPC Combination Sets |   |  |   |      |     |         |         |
|----------------------|---|--|---|------|-----|---------|---------|
| Symbol               |   |  |   | Type | Set | Ranking | Version |
|                      | / |  | / |      |     |         |         |

|                                                         |                   |                              |                   |
|---------------------------------------------------------|-------------------|------------------------------|-------------------|
| NONE                                                    |                   | <b>Total Claims Allowed:</b> |                   |
| (Assistant Examiner)                                    | (Date)            | 36                           |                   |
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 | 29 September 2020 | O.G. Print Claim(s)          | O.G. Print Figure |
| (Primary Examiner)                                      | (Date)            | 1                            | 1                 |

|                                                                                                                  |                                              |                                                                   |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                  | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

|                                     |   |   |      |
|-------------------------------------|---|---|------|
| <b>INTERNATIONAL CLASSIFICATION</b> |   |   |      |
| <b>CLAIMED</b>                      |   |   |      |
| E03C                                | / | 1 | / 04 |
| <b>NON-CLAIMED</b>                  |   |   |      |
| /                                   |   | / |      |

|                                   |                 |
|-----------------------------------|-----------------|
| <b>US ORIGINAL CLASSIFICATION</b> |                 |
| <b>CLASS</b>                      | <b>SUBCLASS</b> |
|                                   |                 |

|                            |                                          |  |  |  |  |  |
|----------------------------|------------------------------------------|--|--|--|--|--|
| <b>CROSS REFERENCES(S)</b> |                                          |  |  |  |  |  |
| <b>CLASS</b>               | <b>SUBCLASS (ONE SUBCLASS PER BLOCK)</b> |  |  |  |  |  |
|                            |                                          |  |  |  |  |  |

|                                                         |                   |                              |                   |
|---------------------------------------------------------|-------------------|------------------------------|-------------------|
| NONE                                                    |                   | <b>Total Claims Allowed:</b> |                   |
| (Assistant Examiner)                                    | (Date)            | 36                           |                   |
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 | 29 September 2020 | O.G. Print Claim(s)          | O.G. Print Figure |
| (Primary Examiner)                                      | (Date)            | 1                            | 1                 |

|                                                                                                                  |                                              |                                                                   |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                  | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

☐ Claims renumbered in the same order as presented by applicant
 ☐ CPA
 ☐ T.D.
 ☐ R.1.47

| CLAIMS |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|--------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| Final  | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |
| 1      | 1        | 10    | 10       | 19    | 19       | 28    | 28       |       |          |       |          |       |          |       |          |
| 2      | 2        | 11    | 11       | 20    | 20       | 29    | 29       |       |          |       |          |       |          |       |          |
| 3      | 3        | 12    | 12       | 21    | 21       | 30    | 30       |       |          |       |          |       |          |       |          |
| 4      | 4        | 13    | 13       | 22    | 22       | 31    | 31       |       |          |       |          |       |          |       |          |
| 5      | 5        | 14    | 14       | 23    | 23       | 32    | 32       |       |          |       |          |       |          |       |          |
| 6      | 6        | 15    | 15       | 24    | 24       | 33    | 33       |       |          |       |          |       |          |       |          |
| 7      | 7        | 16    | 16       | 25    | 25       | 34    | 34       |       |          |       |          |       |          |       |          |
| 8      | 8        | 17    | 17       | 26    | 26       | 35    | 35       |       |          |       |          |       |          |       |          |
| 9      | 9        | 18    | 18       | 27    | 27       | 36    | 36       |       |          |       |          |       |          |       |          |

|                                                                                                  |  |                                          |                        |
|--------------------------------------------------------------------------------------------------|--|------------------------------------------|------------------------|
| NONE<br><br>(Assistant Examiner) _____ (Date) _____                                              |  | <b>Total Claims Allowed:</b><br>36       |                        |
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711<br>(Primary Examiner) _____ (Date) _____ |  | 29 September 2020<br>O.G. Print Claim(s) | O.G. Print Figure<br>1 |

Doc code: IDS

PTO/SB/08a (02-18)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2020. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|                                                                                                     |                        |                     |            |  |
|-----------------------------------------------------------------------------------------------------|------------------------|---------------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                     | 16131035   |  |
|                                                                                                     | Filing Date            |                     | 2018-09-14 |  |
|                                                                                                     | First Named Inventor   | Mark Cipriani       |            |  |
|                                                                                                     | Art Unit               | 1711                |            |  |
|                                                                                                     | Examiner Name          | Cristi J. Tate-Sims |            |  |
|                                                                                                     | Attorney Docket Number | DFC-5558-01-US      |            |  |

| U.S.PATENTS       |         |               |                        |            |                                                 |                                                                        |
|-------------------|---------|---------------|------------------------|------------|-------------------------------------------------|------------------------------------------------------------------------|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
|                   | 1       |               |                        |            |                                                 |                                                                        |

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|                          | 1       |                                      |                           |                        |                  |                                                 |                                                                        | <input type="checkbox"/> |

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| Examiner Initials*              | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup> |
|                                 |         |                                                                                                                                                                                                                                                                 |                |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                     |
|------------------------|---------------------|
| Application Number     | 16131035            |
| Filing Date            | 2018-09-14          |
| First Named Inventor   | Mark Cipriani       |
| Art Unit               | 1711                |
| Examiner Name          | Cristi J. Tate-Sims |
| Attorney Docket Number | DFC-5558-01-US      |

|   |                                                                                                                                                                                      |                          |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1 | US Patent Application No. 16/997,089, filed August 26, 2020, titled "VESSEL RINSING APPARATUS, DRAIN RECEPTACLE, INTERCHANGEABLE NOZZLE ASSEMBLY, AND FAUCET SYSTEM INCLUDING SAME." | <input type="checkbox"/> |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|

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**EXAMINER SIGNATURE**

|                    |                      |                 |            |
|--------------------|----------------------|-----------------|------------|
| Examiner Signature | /CRISTI J TATE-SIMS/ | Date Considered | 09/28/2020 |
|--------------------|----------------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

|                        |                     |
|------------------------|---------------------|
| Application Number     | 16131035            |
| Filing Date            | 2018-09-14          |
| First Named Inventor   | Mark Cipriani       |
| Art Unit               | 1711                |
| Examiner Name          | Cristi J. Tate-Sims |
| Attorney Docket Number | DFC-5558-01-US      |

## **CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

### **SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                   |                     |            |
|------------|-------------------|---------------------|------------|
| Signature  | /steven c wiemer/ | Date (YYYY-MM-DD)   | 2020-09-24 |
| Name/Print | Steven C. Wiemer  | Registration Number | 62897      |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## EAST Search History

### EAST Search History (Prior Art)

| Ref # | Hits   | Search Query                                                                                                                                    | DBs                                                                        | Default Operator | Plurals | Time Stamp          |
|-------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------|---------|---------------------|
| L1    | 10,040 | (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc. 134/104.2.ccls. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT                              | OR               | ON      | 2020/09/28<br>23:08 |
| L2    | 110    | L1 and ((sink basin bowl) with (drain\$3 empty\$3) with (channel sprayer nozzle faucet))                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/09/28<br>23:08 |
| L6    | 192    | L1 and ((sink basin bowl) with (drain\$3 empty\$3 discharg\$3) with (channel sprayer nozzle faucet))                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/09/28<br>23:44 |
| L9    | 241    | (F16K\$.cpc.) and ((sink basin bowl) with (drain\$3 empty\$3 discharg\$3) with (channel sprayer nozzle faucet))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/09/28<br>23:57 |
| S1    | 1      | "16131035"                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/07/19<br>18:41 |
| S2    | 2      | "20200087899"                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/07/19<br>18:43 |
| S3    | 2      | "20200087899"                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;                                              | OR               | ON      | 2020/07/19<br>20:46 |

|     |     |                                                                                                                                                                                                                                                                                    |                                                       |    |     |                     |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|-----|---------------------|
|     |     |                                                                                                                                                                                                                                                                                    | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB             |    |     |                     |
| S4  | 1   | ("20080142095").PN.                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:48 |
| S5  | 3   | (US-737247-\$   US-708844-\$   US-20040168711-\$   US-20180092505-\$   US-8646476-\$   US-784755-\$).DID.                                                                                                                                                                          | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:50 |
| S6  | 70  | "737247" "708844" "784755"                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:51 |
| S7  | 1   | ("20080142095").PN.                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:53 |
| S8  | 5   | (US-0092505-\$   US-0168711-\$   US-20040168711-\$   US-20180092505-\$   US-8646476-\$).DID.                                                                                                                                                                                       | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:53 |
| S9  | 1   | US adj "708844"                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>20:54 |
| S10 | 27  | ("0708844"   "0737247"   "0784755"   "1075734"   "1337303"   "1433337"   "1460094"   "20100012163"   "2251059"   "2691986"   "2723894"   "3595253"   "4768534"   "4836230"   "6092540"   "6863231"   "7104474").PN.                                                                | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2020/07/19<br>20:55 |
| S11 | 640 | ((("DELTA") near3 ("FAUCET") near3 ("COMPANY"))).AS,AANM.                                                                                                                                                                                                                          | USPAT                                                 | OR | OFF | 2020/07/19<br>20:56 |
| S12 | 306 | ((("CIPRIANI") near3 ("Mark")) OR ((("TENTLER") near3 ("Anthony")) OR ((("JUDGE") near3 ("Jack")) OR ((("EADS") near3 ("Thad")) OR ((("ROSKO") near3 ("Michael")) OR ((("LABRIE") near3 ("Raoul")) OR ((("LAZARINI") near3 ("Alejandra")) OR ((("VEROS") near3 ("Michael")))).INV. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2020/07/19<br>20:56 |
| S13 | 2   | "20110061754"                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19<br>21:23 |
| S14 | 14  | (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. and (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc.                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19<br>21:26 |
| S15 | 0   | S11 and S14                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19<br>21:29 |
| S16 | 1   | S12 and S14                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;                                   | OR | ON  | 2020/07/19<br>21:30 |

|     |       |                                                                                                                                                                   |                                               |    |     |                     |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
|     |       |                                                                                                                                                                   | USOCR; EPO;<br>DERWENT                        |    |     |                     |
| S17 | 0     | ((("DELTA")) near3<br>("FAUCET"))).AS,AANM. and (shank with<br>nozzle with valve)                                                                                 | US-PGPUB;<br>USPAT; EPO;<br>DERWENT           | OR | OFF | 2020/07/19<br>21:32 |
| S18 | 0     | S14 and (shank with nozzle with valve)                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:33 |
| S19 | 1     | S14 and ((shank with nozzle) same<br>valve)                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:34 |
| S20 | 1     | S14 and (shank with nozzle)                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:34 |
| S21 | 9,880 | (A47L15/0065 or A47L15/16 or<br>A47L15/42 or A47L15/4278).cpc.<br>(E03C1/0404 or B05B12/002 or<br>B05B1/28 or B08B9/34 or<br>E03C1/04).cpc. 134/104.2.ccls.       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:35 |
| S22 | 9     | S21 and ((shank with nozzle) same<br>valve)                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:36 |
| S23 | 127   | (E03C1/\$.cpc. B05B\$.cpc.<br>A47L15/\$.cpc.) and ((shank with nozzle)<br>same valve)                                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:37 |
| S24 | 78    | (E03C1/\$.cpc. B05B\$.cpc.<br>A47L15/\$.cpc.) and ((shank with nozzle)<br>with valve)                                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:37 |
| S25 | 1     | (shank with nozzle) and tate-sims                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:38 |
| S26 | 10    | ("20050145717"   "20060156463"  <br>"20140083470"   "20140209131"  <br>"3548844"   "4427221"   "5934298"  <br>"6581614"   "9505013").PN. OR<br>("10575705").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                  | OR | OFF | 2020/07/19<br>21:39 |
| S27 | 2     | "20170172369"                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR                  | OR | OFF | 2020/07/19<br>21:40 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |    |     |                     |
|-----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
| S28 | 4  | ("1607096").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                                         | OR | OFF | 2020/07/19<br>22:08 |
| S29 | 25 | (F16K\$.cpc.) and ((shank with nozzle with valve)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:16 |
| S30 | 45 | (F16K\$.cpc.) and ((shank with nozzle same valve)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:17 |
| S31 | 1  | escutcheon and ((shank with nozzle same valve)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:20 |
| S32 | 2  | escutcheon and (shank same (nozzle with valve))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:21 |
| S33 | 98 | (F16K\$.cpc.) and (shank same (nozzle with valve))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:22 |
| S34 | 16 | S21 and (shank same (nozzle with valve))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:23 |
| S35 | 99 | ("20020167171"   "20030102256"   "20040011399"   "20040117906"   "20060117477"   "20060131228"   "20080178935"   "3336935"   "3459207"   "3520325"   "3600723"   "3620254"   "3757824"   "3796380"   "3835887"   "3998240"   "4026328"   "4076279"   "4103709"   "4337795"   "4356574"   "4387738"   "4458839"   "4513769"   "4552171"   "4577653"   "4607659"   "4609006"   "4610429"   "4626005"   "4635673"   "4649958"   "4754993"   "4760871"   "4762143"   "4798221"   "5027851"   "5073991"   "5090062"   "5095554"   "5100565"   "5131428"   "5219185"   "5494259"   "5558128"   "5566707"   "5573037"   "5642755"   "5653868"   "5669417"   "5685341"   "5687952"   "5701926"   "5725008"   "5746244"   "5803120"   "5865473"   "5871029"   "5881754"   "5884662"   "5937892"   "5944225"   "5950663"   "5960490"   "5979489"   "6023796"   "6062251"   "6070614"   "6073972" | US-PGPUB;<br>USPAT;<br>USOCR                  | OR | OFF | 2020/07/19<br>23:01 |

|     |       |                                                                                                                                                                                                                                                                   |                                                                            |    |     |                     |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|-----|---------------------|
|     |       | "6079447"   "6085784"   "6123106"  <br>"6138296"   "6202686"   "6256810"  <br>"6305407"   "6328059"   "6609732"  <br>"6729344"   "6757921"   "6920892"  <br>"7000854"   "7077153"   "7096879"  <br>"7121303"   "7216663"   "7721761").PN.<br>OR ("8646476").URPN. |                                                                            |    |     |                     |
| S36 | 1     | (12/992442).APP.                                                                                                                                                                                                                                                  | USPAT;<br>USOCR                                                            | OR | OFF | 2020/07/20<br>10:55 |
| S37 | 8     | BE adj "896360"                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2020/07/20<br>11:00 |
| S38 | 9,880 | (A47L15/0065 or A47L15/16 or<br>A47L15/42 or A47L15/4278).cpc.<br>(E03C1/0404 or B05B12/002 or<br>B05B1/28 or B08B9/34 or<br>E03C1/04).cpc. 134/104.2.ccls.                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT                              | OR | ON  | 2020/07/20<br>12:44 |
| S39 | 333   | S38 and (brush bristle)                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2020/07/20<br>12:44 |
| S40 | 12    | S38 and ((brush bristle) with glass)                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2020/07/20<br>12:44 |
| S41 | 0     | "16997089"                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2020/09/28<br>10:31 |

#### EAST Search History (Interference)

| Ref<br># | Hits | Search Query | DBs | Default<br>Operator | Plurals | Time<br>Stamp |
|----------|------|--------------|-----|---------------------|---------|---------------|
|----------|------|--------------|-----|---------------------|---------|---------------|

|    |       |                                                                                                                                                                                                                                                                                    |                 |    |     |                  |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|-----|------------------|
| L3 | 5,079 | (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc. 134/104.2.ccls.                                                                                                                                    | US-PGPUB; USPAT | OR | ON  | 2020/09/28 23:09 |
| L4 | 17    | L3 and ((sink basin bowl) with (drain\$3 empty\$3) with (channel sprayer nozzle faucet)).clm.                                                                                                                                                                                      | US-PGPUB; USPAT | OR | ON  | 2020/09/28 23:09 |
| L5 | 20    | L3 and ((sink basin bowl) with (discharg\$3) with (channel sprayer nozzle faucet)).clm.                                                                                                                                                                                            | US-PGPUB; USPAT | OR | ON  | 2020/09/28 23:41 |
| L7 | 305   | ((("CIPRIANI") near3 ("Mark")) OR ((("TENTLER") near3 ("Anthony")) OR ((("JUDGE") near3 ("Jack")) OR ((("EADS") near3 ("Thad")) OR ((("ROSKO") near3 ("Michael")) OR ((("LABRIE") near3 ("Raoul")) OR ((("LAZARINI") near3 ("Alejandra")) OR ((("VEROS") near3 ("Michael")))).INV. | US-PGPUB; USPAT | OR | OFF | 2020/09/28 23:45 |
| L8 | 38    | L3 and L7                                                                                                                                                                                                                                                                          | US-PGPUB; USPAT | OR | OFF | 2020/09/28 23:45 |

9/29/2020 12:04:21 AM

C:\Users\csims1\Documents\EAST\Workspaces\16131035.wsp

## Bibliographic Data

Application No: 16/131,035

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /CRISTI J TATE-SIMS/

CTS

Examiner's Signature

Initials

Title: VESSEL RINSING APPARATUS

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| FILING or 371(c) DATE | CLASS | GROUP ART UNIT | ATTORNEY DOCKET NO. |
|-----------------------|-------|----------------|---------------------|
| 09/14/2018            | 134   | 1711           | DFC-5558-01-US      |
| RULE                  |       |                |                     |

### APPLICANTS

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### CONTINUING DATA

### FOREIGN APPLICATIONS

### IF REQUIRED, FOREIGN LICENSE GRANTED\*\*

10/03/2018

### STATE OR COUNTRY

UNITED STATES

### ADDRESS

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Faegre Drinker Biddle & Reath LLP

300 North Meridian Street

Suite 2500

Indianapolis, IN 46204

UNITED STATES

**FILING FEE RECEIVED**

\$2,880

|                                                                                                     |                        |                     |            |
|-----------------------------------------------------------------------------------------------------|------------------------|---------------------|------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                     | 16131035   |
|                                                                                                     | Filing Date            |                     | 2018-09-14 |
|                                                                                                     | First Named Inventor   | Mark Cipriani       |            |
|                                                                                                     | Art Unit               | 1711                |            |
|                                                                                                     | Examiner Name          | Cristi J. Tate-Sims |            |
|                                                                                                     | Attorney Docket Number | DFC-5558-01-US      |            |

| U.S.PATENTS       |         |               |                        |            |                                                 |                                                                          |
|-------------------|---------|---------------|------------------------|------------|-------------------------------------------------|--------------------------------------------------------------------------|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|                   | 1       |               |                        |            |                                                 |                                                                          |

If you wish to add additional U.S. Patent citation information please click the Add button.

| U.S.PATENT APPLICATION PUBLICATIONS |         |                    |                        |                  |                                                 |                                                                          |
|-------------------------------------|---------|--------------------|------------------------|------------------|-------------------------------------------------|--------------------------------------------------------------------------|
| Examiner Initial*                   | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|                                     | 1       |                    |                        |                  |                                                 |                                                                          |

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| FOREIGN PATENT DOCUMENTS |         |                                      |                           |                        |                  |                                                 |                                                                          |                          |
|--------------------------|---------|--------------------------------------|---------------------------|------------------------|------------------|-------------------------------------------------|--------------------------------------------------------------------------|--------------------------|
| Examiner Initial*        | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
|                          | 1       |                                      |                           |                        |                  |                                                 |                                                                          | <input type="checkbox"/> |

If you wish to add additional Foreign Patent Document citation information please click the Add button

| NON-PATENT LITERATURE DOCUMENTS |         |                                                                                                                                                                                                                                                                 |                |
|---------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials*              | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup> |
|                                 |         |                                                                                                                                                                                                                                                                 |                |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                     |            |
|------------------------|---------------------|------------|
| Application Number     |                     | 16131035   |
| Filing Date            |                     | 2018-09-14 |
| First Named Inventor   | Mark Cipriani       |            |
| Art Unit               | 1711                |            |
| Examiner Name          | Cristi J. Tate-Sims |            |
| Attorney Docket Number | DFC-5558-01-US      |            |

|   |                                                                                                                                                                                      |                          |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1 | US Patent Application No. 16/997,089, filed August 26, 2020, titled "VESSEL RINSING APPARATUS, DRAIN RECEPTACLE, INTERCHANGEABLE NOZZLE ASSEMBLY, AND FAUCET SYSTEM INCLUDING SAME." | <input type="checkbox"/> |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                     |
|------------------------|---------------------|
| Application Number     | 16131035            |
| Filing Date            | 2018-09-14          |
| First Named Inventor   | Mark Cipriani       |
| Art Unit               | 1711                |
| Examiner Name          | Cristi J. Tate-Sims |
| Attorney Docket Number | DFC-5558-01-US      |

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                   |                     |            |
|------------|-------------------|---------------------|------------|
| Signature  | /steven c wiemer/ | Date (YYYY-MM-DD)   | 2020-09-24 |
| Name/Print | Steven C. Wiemer  | Registration Number | 62897      |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## Electronic Patent Application Fee Transmittal

|                                                       |                                   |                 |               |                             |
|-------------------------------------------------------|-----------------------------------|-----------------|---------------|-----------------------------|
| <b>Application Number:</b>                            | 16131035                          |                 |               |                             |
| <b>Filing Date:</b>                                   | 14-Sep-2018                       |                 |               |                             |
| <b>Title of Invention:</b>                            | VESSEL RINSING APPARATUS          |                 |               |                             |
| <b>First Named Inventor/Applicant Name:</b>           | Mark Cipriani                     |                 |               |                             |
| <b>Filer:</b>                                         | Steven C. Wiemer/Patricia Fonseca |                 |               |                             |
| <b>Attorney Docket Number:</b>                        | DFC-5558-01-US                    |                 |               |                             |
| Filed as Large Entity                                 |                                   |                 |               |                             |
| <b>Filing Fees for    Utility under 35 USC 111(a)</b> |                                   |                 |               |                             |
| <b>Description</b>                                    | <b>Fee Code</b>                   | <b>Quantity</b> | <b>Amount</b> | <b>Sub-Total in USD(\$)</b> |
| <b>Basic Filing:</b>                                  |                                   |                 |               |                             |
| <b>Pages:</b>                                         |                                   |                 |               |                             |
| <b>Claims:</b>                                        |                                   |                 |               |                             |
| CLAIMS IN EXCESS OF 20                                | 1202                              | 5               | 100           | 500                         |
| INDEPENDENT CLAIMS IN EXCESS OF 3                     | 1201                              | 1               | 460           | 460                         |
| <b>Miscellaneous-Filing:</b>                          |                                   |                 |               |                             |
| <b>Petition:</b>                                      |                                   |                 |               |                             |
| <b>Patent-Appeals-and-Interference:</b>               |                                   |                 |               |                             |

| Description                       | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|-----------------------------------|----------|----------|--------|----------------------|
| Post-Allowance-and-Post-Issuance: |          |          |        |                      |
| Extension-of-Time:                |          |          |        |                      |
| Miscellaneous:                    |          |          |        |                      |
| Total in USD (\$)                 |          |          |        | 960                  |

## Electronic Acknowledgement Receipt

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| <b>EFS ID:</b>                              | 40654109                          |
| <b>Application Number:</b>                  | 16131035                          |
| <b>International Application Number:</b>    |                                   |
| <b>Confirmation Number:</b>                 | 4854                              |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS          |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                     |
| <b>Customer Number:</b>                     | 79958                             |
| <b>Filer:</b>                               | Steven C. Wiemer/Patricia Fonseca |
| <b>Filer Authorized By:</b>                 | Steven C. Wiemer                  |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                    |
| <b>Receipt Date:</b>                        | 24-SEP-2020                       |
| <b>Filing Date:</b>                         | 14-SEP-2018                       |
| <b>Time Stamp:</b>                          | 11:57:36                          |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)       |

### Payment information:

|                                          |                  |
|------------------------------------------|------------------|
| Submitted with Payment                   | yes              |
| Payment Type                             | CARD             |
| Payment was successfully received in RAM | \$960            |
| RAM confirmation Number                  | E20209NB58393757 |
| Deposit Account                          | 020390           |
| Authorized User                          | Patricia Fonseca |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.21 (Miscellaneous fees and charges)

|                                                 |                                                       |                                                                    |                                          |                  |                  |
|-------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|------------------|------------------|
|                                                 |                                                       |                                                                    |                                          |                  |                  |
| File Listing:                                   |                                                       |                                                                    |                                          |                  |                  |
| Document Number                                 | Document Description                                  | File Name                                                          | File Size(Bytes)/ Message Digest         | Multi Part /.zip | Pages (if appl.) |
| 1                                               |                                                       | 20200924_DFC-5558-01-US_Response_to_Office_Action.pdf              | 125517                                   | yes              | 13               |
|                                                 |                                                       |                                                                    | 6fed72a4f651f66b2ed3f358efa63beffa05947  |                  |                  |
|                                                 | Multipart Description/PDF files in .zip description   |                                                                    |                                          |                  |                  |
|                                                 | Document Description                                  |                                                                    | Start                                    | End              |                  |
|                                                 | Amendment/Req. Reconsideration-After Non-Final Reject |                                                                    | 1                                        | 1                |                  |
|                                                 | Claims                                                |                                                                    | 2                                        | 8                |                  |
|                                                 | Applicant Arguments/Remarks Made in an Amendment      |                                                                    | 9                                        | 13               |                  |
| Warnings:                                       |                                                       |                                                                    |                                          |                  |                  |
| Information:                                    |                                                       |                                                                    |                                          |                  |                  |
| 2                                               | Information Disclosure Statement (IDS) Form (SB08)    | 20200924_DFC-5558-01-US_Supplemental_IDS.pdf                       | 71865                                    | no               | 4                |
|                                                 |                                                       |                                                                    | c7f96b3817270b061aaf76ab044b8a62168b454b |                  |                  |
| Warnings:                                       |                                                       |                                                                    |                                          |                  |                  |
| Information:                                    |                                                       |                                                                    |                                          |                  |                  |
| This is not an USPTO supplied IDS fillable form |                                                       |                                                                    |                                          |                  |                  |
| 3                                               | Non Patent Literature                                 | 20200924_DFC-5558-01-US_Copy_of_US_Application_Number_16997089.pdf | 2085508                                  | no               | 56               |
|                                                 |                                                       |                                                                    | 34597326281e01a1f5868d7dfb1fc2746f4e258e |                  |                  |
| Warnings:                                       |                                                       |                                                                    |                                          |                  |                  |
| Information:                                    |                                                       |                                                                    |                                          |                  |                  |
| 4                                               | Fee Worksheet (SB06)                                  | fee-info.pdf                                                       | 32054                                    | no               | 2                |
|                                                 |                                                       |                                                                    | e08fb1983cdf40803555e026246b7b5fa816db75 |                  |                  |
| Warnings:                                       |                                                       |                                                                    |                                          |                  |                  |
| Information:                                    |                                                       |                                                                    |                                          |                  |                  |
| Total Files Size (in bytes):                    |                                                       |                                                                    | 2314944                                  |                  |                  |

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**

**New International Application Filed with the USPTO as a Receiving Office**

**If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

App. No. : 16/131,035 Confirmation No.: 4854  
Inventors : Mark Cipriani et al.  
Filed : September 14, 2018  
Title : VESSEL RINSING APPARATUS  
TC/A.U. : 1711  
Examiner : Cristi J. Tate-Sims  
Docket No. : DFC-5558-01-US  
Customer No. : 79958

**AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Non-Final Office Action of July 31, 2020 (“Office Action”), please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (Currently Amended) A vessel rinsing apparatus comprising:  
a mounting base including an upper coupler and a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the upper coupler configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;  
a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;  
a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles;  
and  
an escutcheon supported by the upper coupler of the mounting base and including an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to ~~provide fluid communication between the drain bowl and~~ receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck.
2. (Original) The vessel rinsing apparatus of claim 1, further comprising a removable plate supported by the trigger of the fluid discharge member.
3. (Original) The vessel rinsing apparatus of claim 2, wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

4. (Original) The vessel rinsing apparatus of claim 2, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

5. (Original) The vessel rinsing apparatus of claim 4, wherein the fluid discharge member is restrained from rotating relative to the mounting base.

6. (Original) The vessel rinsing apparatus of claim 1, wherein the upper coupler of the mounting base includes an upper plate, the upper plate and the upwardly extending wall of the escutcheon defining the drain bowl.

7. (Original) The vessel rinsing apparatus of claim 6, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.

8. (Original) The vessel rinsing apparatus of claim 1, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

9. (Original) The vessel rinsing apparatus of claim 1, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.

10. (Original) The vessel rinsing apparatus of claim 1, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

11. (Original) The vessel rinsing apparatus of claim 1, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

12. (Currently Amended) A vessel rinsing apparatus comprising:  
a mounting base including a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the mounting shank configured to extend through a mounting aperture formed within a mounting deck;  
a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;  
a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles;  
and  
a removable plate supported by and configured to move with the trigger of the fluid discharge member;  
wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

13. (Currently Amended) The vessel rinsing apparatus of claim 12, further comprising an escutcheon supported by the mounting base, wherein the mounting base further includes an upper coupler configured to be supported above an upper surface of a mounting deck, the escutcheon being supported by the upper coupler of the mounting base.

14. (Original) The vessel rinsing apparatus of claim 12, further comprising an escutcheon supported by the mounting base and including an upwardly extending wall and a drain channel extending through the upwardly extending wall, wherein the upper plate of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck.

15. (Original) The vessel rinsing apparatus of claim 14, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.

16. (Original) The vessel rinsing apparatus of claim 14, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

17. (Original) The vessel rinsing apparatus of claim 14, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.

18. (Original) The vessel rinsing apparatus of claim 12, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

19. (Original) The vessel rinsing apparatus of claim 18, wherein the fluid discharge member is restrained from rotating relative to the mounting base.

20. (Original) The vessel rinsing apparatus of claim 12, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

21. (Original) The vessel rinsing apparatus of claim 12, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

22. (Currently Amended) A vessel rinsing apparatus comprising:

a mounting base including an upper plate and a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the upper plate configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;

a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;

a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles;

an escutcheon supported by the mounting base and including an upwardly extending wall and a drain channel extending through the upwardly extending wall, wherein the upper plate of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck; and

a removable plate supported by and configured to move with the trigger of the fluid discharge member.

23. (Original) The vessel rinsing apparatus of claim 22, wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

24. (Original) The vessel rinsing apparatus of claim 23, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.

25. (Original) The vessel rinsing apparatus of claim 22, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

26. (Original) The vessel rinsing apparatus of claim 22, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.

27. (Original) The vessel rinsing apparatus of claim 22, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

28. (Original) The vessel rinsing apparatus of claim 27, wherein the fluid discharge member is restrained from rotating relative to the mounting base.

29. (Original) The vessel rinsing apparatus of claim 22, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

30. (Original) The vessel rinsing apparatus of claim 22, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

31. (New) The vessel rinsing apparatus of claim 1, wherein the escutcheon further includes a lower wall coupled to the upwardly extending wall.

32. (New) The vessel rinsing apparatus of claim 31, wherein the lower wall includes an opening through which the mounting shank extends.

33. (New) The vessel rinsing apparatus of claim 1, wherein the drain channel slopes away from the fluid discharge member and the drain bowl.

34. (New) A vessel rinsing apparatus comprising:
- a mounting shank defining an opening extending along a longitudinal axis, and the mounting shank configured to extend through a mounting aperture formed within a mounting deck;
  - a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;
  - a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles; and
  - an escutcheon coupled to the mounting shank, the escutcheon including a lower wall and an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck.
35. (New) The vessel rinsing apparatus of claim 34, wherein the lower wall includes an opening through which the mounting shank extends.
36. (New) The vessel rinsing apparatus of claim 34, wherein the drain channel slopes away from the fluid discharge member and the drain bowl.

## **REMARKS/ARGUMENTS**

### **Introduction**

The Office Action rejected claims 1-30. By this Amendment, claims 1, 12, 13, and 22 have been amended and claims 31-36 have been added. No claims have been canceled. Reconsideration and withdrawal of the rejections set forth in the Office Action are respectfully requested in view of the foregoing amendments and the following remarks.

### **Examiner Interview**

Applicant thanks Examiner Tate-Sims for discussing the present application with the undersigned on September 4, 2020. The amendments to claims 1, 12, and 22 presented herein were generally discussed, and the Examiner indicated that the claim amendments would overcome the rejections presented in the Office Action.

### **Claim Amendments**

Claim 1 has been amended to recite that the drain channel is “configured to receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck.” Support for this amendment is at least provided by para. [0024] and FIG. 1 of the present application.

Claim 12 has been amended to recite that the “removable plate [is] supported by and configured to move with the trigger of the fluid discharge member[.]” Support for this amendment is at least provided by paras. [0027], [0037], and FIG. 6 of the present application.

Claim 13 has been amended to address as formal issue, as described below.

Claim 22 has been amended to recite that the “removable plate [is] supported by and configured to move with the trigger of the fluid discharge member[.]” Support for this amendment is at least provided by paras. [0027], [0037], and FIG. 6 of the present application.

### **Claim Rejections - 35 U.S.C. § 112(b)**

The Office Action rejected claims 13-17 under 35 U.S.C. § 112(b) as allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventors regard as the invention. Specifically, the Office Action stated, “Claims 13-17 recite[]

the limitation ‘escutcheon’ in lines 3, 1, 2. There is insufficient antecedent basis for this limitation in the claim[s].” Office Action, p. 2. Applicant has amended claim 13 to provide antecedent basis for the term “escutcheon.” Claims 14-17 have not been amended, and Applicant respectfully notes that claim 14 recites “an escutcheon” in lines 1-2, and claims 15-17 depend from claim 14. For at least these reasons, Applicant respectfully requests withdrawal of the rejections of claims 13-17 under 35 U.S.C. § 112(b) as allegedly being indefinite.

### **Claim Rejections - 35 U.S.C. § 103**

#### **Combination of Thomas and Vervenne**

The Office Action rejected claims 1 and 6-9 under 35 U.S.C. § 103 as allegedly being unpatentable over U.S. Pat. App. Pub. No. 2011/0061754 by Thomas (“Thomas”) in view of France Pat. App. Pub. No. FR2543426A3 by Vervenne & Van Belle S.A. (“Vervenne”). The Office Action also rejected claims 1, 2, 4, 8-11, 22, and 25-30 under 35 U.S.C. § 103 as allegedly being unpatentable over Vervenne in view of Thomas<sup>1</sup>.

Vervenne discloses a glass rinser including a central tubular section inside which is mounted a control for discharging rinsing water. Outside the tubular section is mounted a concentric sleeve, and the concentric sleeve includes a discharge pipe (40) that extends through a surface (10) supporting the rinser. Thomas discloses a faucet assembly (10) including a side sprayer assembly (42). A diverter assembly (12) includes a diverter valve (78) secured to an inlet end (80) of a sprayer tube (46) of the sprayer assembly (42).

#### **Independent Claim 1**

Claim 1 recites, and Thomas and Vervenne, whether considered alone or in combination, fail to disclose or suggest, “an escutcheon supported by the upper coupler of the mounting base and including an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck.”

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<sup>1</sup> The Office Action initially indicated that claim 12 was also rejected based on this ground. See Office Action, p. 4. However, it is understood that claim 12 was actually rejected on a different ground. See Office Action, pp. 6-7.

For at least this reason, it is respectfully submitted that claim 1, and the claims dependent therefrom are distinguished from Thomas and Vervenne, whether considered alone or in combination.

**Independent Claim 22**

Claim 22 recites, and Thomas and Vervenne, whether considered alone or in combination, fail to disclose or suggest, “a removable plate supported by and configured to move with the trigger of the fluid discharge member.”

For at least this reason, it is respectfully submitted that claim 22, and the claims dependent therefrom are distinguished from Thomas and Vervenne, whether considered alone or in combination.

**Combination of Vervenne, Thomas, Gonzalez, and Meyer**

The Office Action rejected claims 3, 5, 7, 12-21, 23, 24, and 28 under 35 U.S.C. § 103 as being unpatentable over Vervenne in view of Thomas and further in view of U.S. Pat. App. Pub. No. 2017 /0172369 by Gonzalez (“Gonzalez”) and U.S. Pat. No. 6,612,507 by Meyer (“Meyer”).

**Dependent claims 3, 5, 7, 23, 24, and 28**

Claims 3, 5, and 7 and claims 23, 24, and 28 depend from claim 1 and claim 22, respectively, which are distinguished from Vervenne and Thomas for at least the above reasons. Gonzalez and Meyer fail to cure the deficiencies of Vervenne and Thomas described above. For at least this reason, it is respectfully submitted that claims 3, 5, 7, 23, 24, and 28, and the claims dependent therefrom, are distinguished from Vervenne in view of Thomas and further in view of Gonzalez and Meyer.

**Independent claim 12**

Independent claim 12 recites, and Thomas, Vervenne, Gonzalez, and Meyer, whether considered alone or in combination, fail to disclose or suggest, “a removable plate supported by and configured to move with the trigger of the fluid discharge member.”

For at least this reason, it is respectfully submitted that claim 12, and the claims dependent therefrom are distinguished from Thomas, Vervenne, Gonzalez, and Meyer, whether considered alone or in combination.

### **New Claims**

Claims 31-36 have been added.

Claim 31 depends from claim 1 and recites “wherein the escutcheon further includes a lower wall coupled to the upwardly extending wall.” Support for claim 31 is at least provided by para. [0043] and FIG. 14 of the present application. The art of record fails to disclose or suggest the features recited in claim 31.

Claim 32 depends from claim 31 and recites “wherein the lower wall includes an opening through which the mounting shank extends.” Support for claim 32 is at least provided by FIG. 14 of the present application. The art of record fails to disclose or suggest the features recited in claim 32.

Claim 33 depends from claim 1 and recites “wherein the drain channel slopes away from the fluid discharge member and the drain bowl.” Support for claim 33 is at least provided by FIG. 12 of the present application. The art of record fails to disclose or suggest the features recited in claim 33.

Claim 34 recites “A vessel rinsing apparatus comprising: a mounting shank defining an opening extending along a longitudinal axis, and the mounting shank configured to extend through a mounting aperture formed within a mounting deck; a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis; a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles; and an escutcheon coupled to the mounting shank, the escutcheon including a lower wall and an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck.” Support for claim 34 is at least provided by claim 1 in its original form, para. [0043], and FIG. 14 of the present application. The art of record at least fails to disclose or

suggest “an escutcheon... including a lower wall and an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to receive water from the drain bowl and discharge water above and into a sink basin supported by the mounting deck[,]” as recited in claim 34.

Claim 35 depends from claim 34 and recites “wherein the lower wall includes an opening through which the mounting shank extends.” Support for claim 35 is at least provided by FIG. 14 of the present application. The art of record fails to disclose or suggest the features recited in claim 35.

Claim 36 depends from claim 34 and recites “wherein the drain channel slopes away from the fluid discharge member and the drain bowl.” Support for claim 36 is at least provided by FIG. 12 of the present application. The art of record fails to disclose or suggest the features recited in claim 36.

### **Final Remarks**

For at least the foregoing reasons, it is respectfully submitted that the claims are in condition for allowance. Such action is respectfully requested.

If necessary, Applicant requests that this response be considered a request for an extension of time appropriate for the response to be timely filed. Applicant requests that any required fees needed beyond those submitted with this amendment be charged to the account of Faegre Drinker Biddle & Reath LLP, Deposit Account No. 02-0390.

If any questions or comments should arise during consideration of this matter, the Examiner is invited to call the undersigned at the number provided below.

Respectfully submitted,

By: /steven c wiemer/  
Steven C. Wiemer  
Reg. No. 62,897  
Faegre Drinker Biddle & Reath LLP  
Telephone: (303) 307-3730

Date: September 24, 2020

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------|---------------|---------------------------|----------|---------------------------------------|--|
| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b><br>Substitute for Form PTO-875                                               |                                                                                          |                                                                                                                                                                                                                               |              | Application or Docket Number<br>16/131,035 |               | Filing Date<br>09/14/2018 |          | <input type="checkbox"/> To be Mailed |  |
| ENTITY: <input checked="" type="checkbox"/> LARGE <input type="checkbox"/> SMALL <input type="checkbox"/> MICRO                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
| <b>APPLICATION AS FILED - PART I</b>                                                                                            |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 |                                                                                          | (Column 1)                                                                                                                                                                                                                    | (Column 2)   |                                            |               |                           |          |                                       |  |
| FOR                                                                                                                             |                                                                                          | NUMBER FILED                                                                                                                                                                                                                  | NUMBER EXTRA |                                            | RATE (\$)     |                           | FEE (\$) |                                       |  |
| <input type="checkbox"/> BASIC FEE<br>(37 CFR 1.16(a), (b), or (c))                                                             |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |          |                                       |  |
| <input type="checkbox"/> SEARCH FEE<br>(37 CFR 1.16(k), (l), or (m))                                                            |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |          |                                       |  |
| <input type="checkbox"/> EXAMINATION FEE<br>(37 CFR 1.16(o), (p), or (q))                                                       |                                                                                          | N/A                                                                                                                                                                                                                           | N/A          |                                            | N/A           |                           |          |                                       |  |
| TOTAL CLAIMS<br>(37 CFR 1.16(i))                                                                                                |                                                                                          | minus 20 = *                                                                                                                                                                                                                  |              | x \$100 =                                  |               |                           |          |                                       |  |
| INDEPENDENT CLAIMS<br>(37 CFR 1.16(h))                                                                                          |                                                                                          | minus 3 = *                                                                                                                                                                                                                   |              | x \$460 =                                  |               |                           |          |                                       |  |
| <input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))                                                                  |                                                                                          | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |              |                                            |               |                           |          |                                       |  |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                      |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                       |                                                                                          |                                                                                                                                                                                                                               |              |                                            | TOTAL         |                           |          |                                       |  |
| <b>APPLICATION AS AMENDED - PART II</b>                                                                                         |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 |                                                                                          | (Column 1)                                                                                                                                                                                                                    |              | (Column 2)                                 | (Column 3)    |                           |          |                                       |  |
| <b>AMENDMENT</b>                                                                                                                | 09/24/2020                                                                               | CLAIMS REMAINING AFTER AMENDMENT                                                                                                                                                                                              |              | HIGHEST NUMBER PREVIOUSLY PAID FOR         | PRESENT EXTRA | RATE (\$)                 |          | ADDITIONAL FEE (\$)                   |  |
|                                                                                                                                 | Total<br>(37 CFR 1.16(i))                                                                | * 35                                                                                                                                                                                                                          | Minus        | ** 30                                      | = 5           | x \$100 =                 |          | 500                                   |  |
|                                                                                                                                 | Independent<br>(37 CFR 1.16(h))                                                          | * 4                                                                                                                                                                                                                           | Minus        | *** 3                                      | = 1           | x \$460 =                 |          | 460                                   |  |
|                                                                                                                                 | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                           |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | TOTAL ADD'L FEE           |          | 960                                   |  |
|                                                                                                                                 |                                                                                          | (Column 1)                                                                                                                                                                                                                    |              | (Column 2)                                 | (Column 3)    |                           |          |                                       |  |
| <b>AMENDMENT</b>                                                                                                                |                                                                                          | CLAIMS REMAINING AFTER AMENDMENT                                                                                                                                                                                              |              | HIGHEST NUMBER PREVIOUSLY PAID FOR         | PRESENT EXTRA | RATE (\$)                 |          | ADDITIONAL FEE (\$)                   |  |
|                                                                                                                                 | Total<br>(37 CFR 1.16(i))                                                                | *                                                                                                                                                                                                                             | Minus        | **                                         | =             | x \$0 =                   |          |                                       |  |
|                                                                                                                                 | Independent<br>(37 CFR 1.16(h))                                                          | *                                                                                                                                                                                                                             | Minus        | ***                                        | =             | x \$0 =                   |          |                                       |  |
|                                                                                                                                 | <input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))                           |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 | <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
|                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | TOTAL ADD'L FEE           |          |                                       |  |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.                                           |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | SLIE                      |          |                                       |  |
| ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".                                       |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               | /DEBORAH R PORTER/        |          |                                       |  |
| *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".                                        |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |
| The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. |                                                                                          |                                                                                                                                                                                                                               |              |                                            |               |                           |          |                                       |  |

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



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| APPLICATION NO.                   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------------|-------------|----------------------|---------------------|------------------|
| 16/131,035                        | 09/14/2018  | Mark Cipriani        | DFC-5558-01-US      | 4854             |
| 79958                             | 7590        | 09/10/2020           | EXAMINER            |                  |
| Masco Corporation                 |             |                      | TATE-SIMS, CRISTI J |                  |
| Faegre Drinker Biddle & Reath LLP |             |                      | ART UNIT            |                  |
| 300 North Meridian Street         |             |                      | PAPER NUMBER        |                  |
| Suite 2500                        |             |                      | 1711                |                  |
| Indianapolis, IN 46204            |             |                      | NOTIFICATION DATE   |                  |
|                                   |             |                      | DELIVERY MODE       |                  |
|                                   |             |                      | 09/10/2020          |                  |
|                                   |             |                      | ELECTRONIC          |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

douglas.yerkeson@faegredrinker.com  
inteas@faegredrinker.com

|                                                     |                                       |                                        |                                 |
|-----------------------------------------------------|---------------------------------------|----------------------------------------|---------------------------------|
| <b><i>Applicant-Initiated Interview Summary</i></b> | <b>Application No.</b><br>16/131,035  | <b>Applicant(s)</b><br>Cipriani et al. |                                 |
|                                                     | <b>Examiner</b><br>CRISTI J TATE-SIMS | <b>Art Unit</b><br>1711                | <b>AIA (FITF) Status</b><br>Yes |

All participants (applicant, applicants representative, PTO personnel):

(1) CRISTI J. TATE-SIMS. (3) \_\_\_\_.

(2) Steven Wiemer. (4) \_\_\_\_.

Date of Interview: 04 September 2020.

Type:    ☒ Telephonic    ☐ Video Conference  
              ☐ Personal [copy given to:    ☐ applicant    ☐ applicant's representative]

Exhibit shown or demonstration conducted:    ☐ Yes    ☒ No.  
              If Yes, brief description: \_\_\_\_.

Issues Discussed    ☐101    ☐112    ☐102    ☒103    ☐Others  
 (For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1,12 and 22.

Identification of prior art discussed: FR2543426A3 (Vervenne).

**Substance of Interview**  
 (For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed differences between instant application and prior such as the drain channel being configured to receive water from the drain bowl and discharge water above into the sink basin compared to the drain channel in Vervenne being discharged below the sink basin through the discharge pipe (40). Also discussed the removable plate "moving" with the trigger in the instant application, compared with the removable grid (14) being support by the bowl in Vervenne. The distinctions, if incorporated into the claims overcome the current rejection of record..

**Applicant recordation instructions:** The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

**Examiner recordation instructions:** Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☒ Attachment

|                                                         |  |
|---------------------------------------------------------|--|
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 |  |
|---------------------------------------------------------|--|

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiners responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicants correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,-
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicants record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiners version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, Interview Record OK on the paper recording the substance of the interview along with the date and the examiners initials.

## **Proposed Examiner Interview Agenda**

**Date: 9/4/2020, Time: 11:00 am ET/9:00 am MT**

**Phone No: 571-272-1722**

**Examiner – Cristi J. Tate-Sims**

*Requested by: Applicant's representative, Steven C. Wiemer (Reg. 62,897)*

- **In view of Non-Final Office Action dated July 31, 2020**
- **Discuss references and basis of rejections**
  - U.S. 2011/0061754 (“Thomas”)
  - FR2543426A3 (“Vervenne”)
- **Discuss potential distinctions**
  - The drain channel is configured to receive water from the drain bowl and discharge water above and into a sink basin. In contrast, Vervenne’s device discharges water through a countertop.
  - The removable plate moves with the trigger. In contrast, Vervenne’s “removable plate” (grid 14) is supported by the bowl (13).

Faegre Drinker Biddle & Reath LLP  
Agent for Applicant  
Steven C. Wiemer  
Reg. No. 62,897  
Phone: 303 607 3730



UNITED STATES PATENT AND TRADEMARK OFFICE

# USPTO Automated Interview Request (AIR)

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Aug 28 2020

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This paper requesting to schedule and/or conduct an interview is appropriate because:

This submission is requested to be accepted as an authorization for this interview to communicate via the internet. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned concerning scheduling of the interview via video conference, instant messaging, or electronic mail, and to conduct the interview in accordance with office practice including video conferencing.

Name(s) :  
Steven C. Wiemer

S-signature:  
/steven c wiemer/

Registration Number:  
62897

U.S. Application Number:  
16131035

Confirmation Number:  
4854

E-mail Address:  
steven.wiemer@faegredrinker.com

Phone Number:  
+1 3036073730

Proposed Time of Interview:  
9-4-2020 11:00 AM ET

Alternative Proposed Time(s) of Interview:  
9-4-2020 1:00 PM ET

Alternative Proposed Time(s) of Interview:  
9-7-2020 11:00 AM ET

Preferred Interview Type:  
Telephonic

I am the applicant or applicant's representative for this application.

Topic for Discussion:  
Non-final office action and potential claim amendments



# UNITED STATES PATENT AND TRADEMARK OFFICE

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| APPLICATION NO.                   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------------|-------------|----------------------|---------------------|------------------|
| 16/131,035                        | 09/14/2018  | Mark Cipriani        | DFC-5558-01-US      | 4854             |
| 79958                             | 7590        | 07/31/2020           | EXAMINER            |                  |
| Masco Corporation                 |             |                      | TATE-SIMS, CRISTI J |                  |
| Faegre Drinker Biddle & Reath LLP |             |                      | ART UNIT            |                  |
| 300 North Meridian Street         |             |                      | PAPER NUMBER        |                  |
| Suite 2500                        |             |                      | 1711                |                  |
| Indianapolis, IN 46204            |             |                      | NOTIFICATION DATE   |                  |
|                                   |             |                      | DELIVERY MODE       |                  |
|                                   |             |                      | 07/31/2020          |                  |
|                                   |             |                      | ELECTRONIC          |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

douglas.yerkeson@faegredrinker.com  
intear@faegredrinker.com

## Office Action Summary

**Application No.**

16/131,035

**Applicant(s)**

Cipriani et al.

**Examiner**

CRISTI J TATE-SIMS

**Art Unit**

1711

**AIA (FITF) Status**

Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on 14 September 2018.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_.

2a) ☐ This action is **FINAL**.

2b) ☒ This action is non-final.

3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.

4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims\***

5) ☒ Claim(s) 1-30 is/are pending in the application.

5a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.

6) ☐ Claim(s) \_\_\_\_ is/are allowed.

7) ☒ Claim(s) 1-30 is/are rejected.

8) ☐ Claim(s) \_\_\_\_ is/are objected to.

9) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement

\* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see [http://www.uspto.gov/patents/init\\_events/pph/index.jsp](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

**Application Papers**

10) ☐ The specification is objected to by the Examiner.

11) ☒ The drawing(s) filed on 14 September 2018 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

**Certified copies:**

a) ☐ All      b) ☐ Some\*\*      c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

3) ☐ Interview Summary (PTO-413)

Paper No(s)/Mail Date \_\_\_\_.

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)

4) ☐ Other: \_\_\_\_.

Paper No(s)/Mail Date 1/29/2019, 10/25/2018.

## **DETAILED ACTION**

### ***Notice of Pre-AIA or AIA Status***

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of 35 U.S.C. 112(b):  
(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 13-17 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.
4. Claims 13-17 recites the limitation "escutcheon" in lines 3, 1, 2. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:
6. A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
  2. Ascertaining the differences between the prior art and the claims at issue.
  3. Resolving the level of ordinary skill in the pertinent art.
  4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
8. Claims 1 and 6-9 is/are rejected under 35 U.S.C. 103 as being unpatentable over Thomas (US 2011/0061754 cited in IDS), and in further view of FR2543426A3 (cited in IDS Espacenet translation).
9. Regarding claim 1, Thomas figure 2 teaches a vessel rinsing apparatus comprising:
- a mounting base (2 sink assembly) including an upper coupler (50 mounting base) and a downwardly extending mounting shank (52) defining an opening extending along a longitudinal axis, the upper coupler configured to be supported above an upper surface of a mounting deck (4 sink), and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;
  - a fluid discharge member (42 sprayer assembly) including a central body (48) supporting a plurality of nozzles (44 sprayer) and a trigger (47) extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;
  - a valve shaft (78) operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles.[0033-43]
10. Although Thomas teaches an escutcheon (collar surrounding 54 passageway) supported by the upper coupler (50 mounting base) of the mounting base (2 sink assembly) and a sink basin (6) supported by the mounting deck (4 sink), Thomas is silent to the escutcheon including an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck.

11. FR2543426A3 is directed towards a glass rinse and drainer wherein figure 1 teaches a cylindrical shoulder 24 is provided with radial notches 26 which allows for the discharge of wastewater. In the lower part of the sleeve 36 is provided a side discharge pipe 40 for wastewater. This pipe is advantageously inclined downward to facilitate the flow and avoid stagnation of water in the bottom of the sleeve 36.

[lines 45-54]

12. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide the collar of Thomas with radial notches as taught in FR2543426A3 to allow the flow of liquids.

13. Regarding claim 6, Thomas figures 1 and 2 in view of FR2543426A3 figures 1 and 2 teach the upper coupler (50 mounting base) of the mounting base (2 sink assembly) includes an upper plate (11 drip tray and 13 bowl of FR2543426A3), the upper plate and the upwardly extending wall of the escutcheon defining the drain bowl.

14. Regarding claim 7, Thomas figure 3 teaches an o-ring (116) supported by the upper plate of the mounting base and engaging the escutcheon.

15. Regarding claim 8, FR2543426A3 figure 1 teaches a sloped portion of discharge pipe 40 thereby reading on the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

16. Regarding claim 9, FR2543426A3 figure 1 teaches a drip tray 11 having a removable grid 14 thereby reading on the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is capable of being adjustable.

17. Claims 1, 2, 4, 8-12, 22, and 25-30 is/are rejected under 35 U.S.C. 103 as being unpatentable over FR2543426A3 (cited in IDS Espacenet translation), and in further view of Thomas (US 2011/0061754 cited in IDS).

18. Regarding claims 1, 2, 22, FR2543426A3 figures 1 and 2 teach a vessel rinsing apparatus comprising:

a mounting base (10 beverage counter) including an upper plate (11 drip tray) and a downwardly extending mounting shank (22 central tubular body) defining an opening extending along a longitudinal axis, the upper plate (11 drip tray) configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;

a fluid discharge member (spray assembly shown in figure 1, 35 rinser) including a central body supporting a plurality of nozzles (denoted by spray arrows) and a trigger (15 spider) extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;

an escutcheon (24 cylindrical shoulder) supported by the mounting base and including an upwardly extending wall (wall forming 26 radial notches) and a drain channel (40 discharge pipe) extending through the upwardly extending wall, wherein the upper plate (11 drip tray) of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin (13 bowl) supported by the mounting deck; and

a removable plate (14 removable grid) supported by the trigger of the fluid discharge member.

[lines 45-60]

19. FR2543426A3 is silent to a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles.

20. Thomas is directed towards a spray and diverter wherein figures 1-4 teach a diverter valve 78 to control water flow through the central body to the plurality of nozzles.[0040-44]

21. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a diverter valve as taught in Thomas in the vessel rinsing device of FR2543426A3 to control the flow of water to the fluid discharge member.[0040]

22. Regarding claims 4 and 27, FR2543426A3 figure 1 teaches a tightening nut (38) thereby reading on an anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

23. Regarding claims 8 and 25, FR2543426A3 figure 1 teaches a sloped portion of discharge pipe 40 thereby reading on the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

24. Regarding claims 9 and 26, FR2543426A3 figure 1 teaches a drip tray 11 having a removable grid 14 thereby reading on the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is capable of being adjustable

25. Regarding claims 10 and 29, FR2543426A3 figure 1 suggests the trigger (15 spider) of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

26. Regarding claims 11 and 30, Thomas figure 1 teaches the fluid discharge member (42 sprayer) is fluidly coupler to an outlet of a faucet mixing valve (12 diverter assembly).[0031]

27. Claims 3, 5, 7, 12-21, 23, and 28 is/are rejected under 35 U.S.C. 103 as being unpatentable over FR2543426A3 (cited in IDS Espacenet translation) and Thomas (US 2011/0061754 cited in IDS), and in further view of Gonzalez (US 2017/0172369) and Meyer (US 6,612,507), as applied to claims 1 and 22 above.

28. Regarding claims 3 and 23, the vessel rinsing of FR2543426A3 in view of Thomas is silent to the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

29. Gonzalez is directed towards a glass rinser spin stop wherein figure 1 teaches a grid 110 having a plurality of holes.[0003]

30. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a grid as taught in Gonzalez to allow the excess beverage to pass through.

31. Meyer is directed towards a sink water spraying apparatus wherein the cleaning attachment 100 shown in FIG. 6a includes a brush 106 having a plurality of diametrically arranged bristles.[col 4 lines 55-67]

32. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a brush as taught in Meyer for cleaning glasses or other containers having a tubular configuration.

33. Regarding claim 5, 19, and 28, Gonzalez teaches the hole in the drip tray may be configured to engage the shank and prevent the shank from rotating when the nut is coupled to the second end of the shank the glass rinser 140 is prevented from rotating.[Abstract][0004-7]

34. Regarding claims 7 and 24, FR2543426A3 figure 1 teaches an o-ring (30) supported by the upper plate of the mounting base and engaging the escutcheon.

35. Regarding claims 12, 13, and 14 FR2543426A3 figures 1 and 2 teach a vessel rinsing apparatus comprising:

a mounting base (10 beverage counter) including an upper plate (11 drip tray) and a downwardly extending mounting shank (22 central tubular body) defining an opening extending along a longitudinal axis, the upper plate (11 drip tray) configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;

a fluid discharge member (spray assembly shown in figure 1, 35 rinser) including a central body supporting a plurality of nozzles (denoted by spray arrows) and a trigger (15 spider) extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;

an escutcheon (24 cylindrical shoulder) supported by the mounting base and including an upwardly extending wall (wall forming 26 radial notches) and a drain channel (40 discharge pipe)

extending through the upwardly extending wall, wherein the upper plate (11 drip tray) of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin (13 bowl) supported by the mounting deck; and

a removable plate (14 removable grid) supported by the trigger of the fluid discharge member.

[lines 45-60]

36. FR2543426A3 is silent to a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles.

37. Thomas is directed towards a spray and diverter wherein figures 1-4 teach a diverter valve 78 to control water flow through the central body to the plurality of nozzles.[0040-44]

38. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a diverter valve as taught in Thomas in the vessel rinsing device of FR2543426A3 to control the flow of water to the fluid discharge member.[0040]

39. The vessel rinsing of FR2543426A3 in view of Thomas is silent to the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

40. Gonzalez is directed towards a glass rinser spin stop wherein figure 1 teaches a grid 110 having a plurality of holes.[0003]

41. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a grid as taught in Gonzalez to allow the excess beverage to pass through.

42. Meyer is directed towards a sink water spraying apparatus wherein the cleaning attachment 100 shown in FIG. 6a includes a brush 106 having a plurality of diametrically arranged bristles.[col 4 lines 55-67]

43. It would have been obvious to one of ordinary skill in the art before the effective filing date of the present invention to provide a brush as taught in Meyer for cleaning glasses or other containers having a tubular configuration.

44. Regarding claim 15, FR2543426A3 figure 1 teaches an o-ring (30) supported by the upper plate of the mounting base and engaging the escutcheon.

45. Regarding claim 16, FR2543426A3 figure 1 teaches a sloped portion of discharge pipe 40 thereby reading on the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

46. Regarding claim 17, FR2543426A3 figure 1 teaches a drip tray 11 having a removable grid 14 thereby reading on the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is capable of being adjustable

47. Regarding claim 18, FR2543426A3 figure 1 teaches a tightening nut (38) thereby reading on an anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

48. Regarding claim 20, FR2543426A3 figure 1 suggests the trigger (15 spider) of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

49. Regarding claim 21, Thomas figure 1 teaches the fluid discharge member (42 sprayer) is fluidly coupler to an outlet of a faucet mixing valve (12 diverter assembly).[0031]

### ***Conclusion***

50. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CRISTI J TATE-SIMS whose telephone number is (571)272-1722. The examiner can normally be reached on M-F 9am-6pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on 571-272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <https://ppair-my.uspto.gov/pair/PrivatePair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CRISTI J. TATE-SIMS  
Primary Examiner  
Art Unit 1711

/CRISTI J TATE-SIMS/  
Primary Examiner, Art Unit 1711

|                                          |                                       |  |                                                               |             |
|------------------------------------------|---------------------------------------|--|---------------------------------------------------------------|-------------|
| <b><i>Notice of References Cited</i></b> | Application/Control No.<br>16/131,035 |  | Applicant(s)/Patent Under<br>Reexamination<br>Cipriani et al. |             |
|                                          | Examiner<br>CRISTI J TATE-SIMS        |  | Art Unit<br>1711                                              | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name             | CPC Classification | US Classification |
|---|---|--------------------------------------------------|-----------------|------------------|--------------------|-------------------|
| * | A | US-20110061754-A1                                | 03-2011         | Thomas; Kurt J.  | F16L37/144         | 137/625.29        |
| * | B | US-20170172369-A1                                | 06-2017         | Gonzalez; Edgar  | A47L15/0065        | 1/1               |
| * | C | US-6612507-B1                                    | 09-2003         | Meyer; Sandra D. | A46B11/06          | 239/394           |
|   | D |                                                  |                 |                  |                    |                   |
|   | E |                                                  |                 |                  |                    |                   |
|   | F |                                                  |                 |                  |                    |                   |
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|   | K |                                                  |                 |                  |                    |                   |
|   | L |                                                  |                 |                  |                    |                   |
|   | M |                                                  |                 |                  |                    |                   |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | CPC Classification |
|---|---|--------------------------------------------------|-----------------|---------|------|--------------------|
|   | N |                                                  |                 |         |      |                    |
|   | O |                                                  |                 |         |      |                    |
|   | P |                                                  |                 |         |      |                    |
|   | Q |                                                  |                 |         |      |                    |
|   | R |                                                  |                 |         |      |                    |
|   | S |                                                  |                 |         |      |                    |
|   | T |                                                  |                 |         |      |                    |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|-------------------------------------------------------------------------------------------|
|   | U | Espacenet translation, FR2543426A3 Drainer for drinking glasses (Year: 1983)              |
|   | V |                                                                                           |
|   | W |                                                                                           |
|   | X |                                                                                           |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                                                                                                 |                                              |                                                                   |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                 | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

| CPC - Searched*           |            |          |
|---------------------------|------------|----------|
| Symbol                    | Date       | Examiner |
| A47L15/0065 with keywords | 07/20/2020 | CTS      |
| A47L15/16 with keywords   | 07/20/2020 | CTS      |
| A47L15/42 with keywords   | 07/20/2020 | CTS      |
| A47L15/4278 with keywords | 07/20/2020 | CTS      |
| E03C1/0404 with keywords  | 07/20/2020 | CTS      |
| B05B12/002 with keywords  | 07/20/2020 | CTS      |
| B05B1/28 with keywords    | 07/20/2020 | CTS      |
| B08B9/34 with keywords    | 07/20/2020 | CTS      |
| E03C1/04 with keywords    | 07/20/2020 | CTS      |

| CPC Combination Sets - Searched*                                                                                                                  |            |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| Symbol                                                                                                                                            | Date       | Examiner |
| (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. and (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc. with keywords | 07/20/2020 | CTS      |

| US Classification - Searched* |                     |            |          |
|-------------------------------|---------------------|------------|----------|
| Class                         | Subclass            | Date       | Examiner |
| 134                           | 104.2 with keywords | 07/20/2020 | CTS      |

\* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

|                                                         |  |
|---------------------------------------------------------|--|
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 |  |
|---------------------------------------------------------|--|

|                                                                                                                 |                                              |                                                                   |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|
| <b><i>Search Notes</i></b><br> | <b>Application/Control No.</b><br>16/131,035 | <b>Applicant(s)/Patent Under Reexamination</b><br>Cipriani et al. |
|                                                                                                                 | <b>Examiner</b><br>CRISTI J TATE-SIMS        | <b>Art Unit</b><br>1711                                           |

| Search Notes                 |            |          |
|------------------------------|------------|----------|
| Search Notes                 | Date       | Examiner |
| EAST assignee search         | 07/20/2020 | CTS      |
| EAST inventor search         | 07/20/2020 | CTS      |
| EAST search history attached | 07/20/2020 | CTS      |

| Interference Search |                       |      |          |
|---------------------|-----------------------|------|----------|
| US Class/CPC Symbol | US Subclass/CPC Group | Date | Examiner |
|                     |                       |      |          |

|                                                         |  |
|---------------------------------------------------------|--|
| /CRISTI J TATE-SIMS/<br>Primary Examiner, Art Unit 1711 |  |
|---------------------------------------------------------|--|

## EAST Search History

### EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                                                                                                                                        | DBs                                                                        | Default Operator | Plurals | Time Stamp          |
|-------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------|---------|---------------------|
| S1    | 1    | "16131035"                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/07/19<br>18:41 |
| S2    | 2    | "20200087899"                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/07/19<br>18:43 |
| S3    | 2    | "20200087899"                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2020/07/19<br>20:46 |
| S4    | 1    | ("20080142095").PN.                                                                                                                                                                                                 | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:48 |
| S5    | 3    | (US-737247-\$   US-708844-\$   US-20040168711-\$   US-20180092505-\$   US-8646476-\$   US-784755-\$).DID.                                                                                                           | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:50 |
| S6    | 70   | "737247" "708844" "784755"                                                                                                                                                                                          | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:51 |
| S7    | 1    | ("20080142095").PN.                                                                                                                                                                                                 | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:53 |
| S8    | 5    | (US-0092505-\$   US-0168711-\$   US-20040168711-\$   US-20180092505-\$   US-8646476-\$).DID.                                                                                                                        | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:53 |
| S9    | 1    | US adj "708844"                                                                                                                                                                                                     | US-PGPUB;<br>USPAT                                                         | OR               | OFF     | 2020/07/19<br>20:54 |
| S10   | 27   | ("0708844"   "0737247"   "0784755"   "1075734"   "1337303"   "1433337"   "1460094"   "20100012163"   "2251059"   "2691986"   "2723894"   "3595253"   "4768534"   "4836230"   "6092540"   "6863231"   "7104474").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | OR               | OFF     | 2020/07/19<br>20:55 |

|     |       |                                                                                                                                                                                                                                                                                    |                                                       |    |     |                  |
|-----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|-----|------------------|
| S11 | 640   | ((("DELTA") near3 ("FAUCET") near3 ("COMPANY"))).AS,AANM.                                                                                                                                                                                                                          | USPAT                                                 | OR | OFF | 2020/07/19 20:56 |
| S12 | 306   | ((("CIPRIANI") near3 ("Mark")) OR ((("TENTLER") near3 ("Anthony")) OR ((("JUDGE") near3 ("Jack")) OR ((("EADS") near3 ("Thad")) OR ((("ROSKO") near3 ("Michael")) OR ((("LABRIE") near3 ("Raoul")) OR ((("LAZARINI") near3 ("Alejandra")) OR ((("VEROS") near3 ("Michael")))).INV. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2020/07/19 20:56 |
| S13 | 2     | "20110061754"                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT                                    | OR | OFF | 2020/07/19 21:23 |
| S14 | 14    | (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. and (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc.                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:26 |
| S15 | 0     | S11 and S14                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:29 |
| S16 | 1     | S12 and S14                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:30 |
| S17 | 0     | ((("DELTA") near3 ("FAUCET"))).AS,AANM. and (shank with nozzle with valve)                                                                                                                                                                                                         | US-PGPUB;<br>USPAT; EPO;<br>DERWENT                   | OR | OFF | 2020/07/19 21:32 |
| S18 | 0     | S14 and (shank with nozzle with valve)                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:33 |
| S19 | 1     | S14 and ((shank with nozzle) same valve)                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:34 |
| S20 | 1     | S14 and (shank with nozzle)                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:34 |
| S21 | 9,880 | (A47L15/0065 or A47L15/16 or A47L15/42 or A47L15/4278).cpc. (E03C1/0404 or B05B12/002 or B05B1/28 or B08B9/34 or E03C1/04).cpc. 134/104.2.ccls.                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:35 |
| S22 | 9     | S21 and ((shank with nozzle) same valve)                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT         | OR | ON  | 2020/07/19 21:36 |

|     |     |                                                                                                                                                       |                                               |    |     |                     |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
| S23 | 127 | (E03C1/\$.cpc. B05B\$.cpc. A47L15/\$.cpc.) and ((shank with nozzle) same valve)                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:37 |
| S24 | 78  | (E03C1/\$.cpc. B05B\$.cpc. A47L15/\$.cpc.) and ((shank with nozzle) with valve)                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:37 |
| S25 | 1   | (shank with nozzle) and tate-sims                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>21:38 |
| S26 | 10  | ("20050145717"   "20060156463"   "20140083470"   "20140209131"   "3548844"   "4427221"   "5934298"   "6581614"   "9505013").PN. OR ("10575705").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                  | OR | OFF | 2020/07/19<br>21:39 |
| S27 | 2   | "20170172369"                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR                  | OR | OFF | 2020/07/19<br>21:40 |
| S28 | 4   | ("1607096").URPN.                                                                                                                                     | USPAT                                         | OR | OFF | 2020/07/19<br>22:08 |
| S29 | 25  | (F16K\$.cpc.) and ((shank with nozzle) with valve)                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:16 |
| S30 | 45  | (F16K\$.cpc.) and ((shank with nozzle) same valve)                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:17 |
| S31 | 1   | escutcheon and ((shank with nozzle) same valve)                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:20 |
| S32 | 2   | escutcheon and (shank same (nozzle with valve))                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:21 |
| S33 | 98  | (F16K\$.cpc.) and (shank same (nozzle with valve))                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:22 |
| S34 | 16  | S21 and (shank same (nozzle with valve))                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | ON  | 2020/07/19<br>22:23 |

|     |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                            |    |     |                     |
|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|-----|---------------------|
| S35 | 99    | (<br>"20020167171"   "20030102256"  <br>"20040011399"   "20040117906"  <br>"20060117477"   "20060131228"  <br>"20080178935"   "3336935"   "3459207"<br>  "3520325"   "3600723"   "3620254"  <br>"3757824"   "3796380"   "3835887"  <br>"3998240"   "4026328"   "4076279"  <br>"4103709"   "4337795"   "4356574"  <br>"4387738"   "4458839"   "4513769"  <br>"4552171"   "4577653"   "4607659"  <br>"4609006"   "4610429"   "4626005"  <br>"4635673"   "4649958"   "4754993"  <br>"4760871"   "4762143"   "4798221"  <br>"5027851"   "5073991"   "5090062"  <br>"5095554"   "5100565"   "5131428"  <br>"5219185"   "5494259"   "5558128"  <br>"5566707"   "5573037"   "5642755"  <br>"5653868"   "5669417"   "5685341"  <br>"5687952"   "5701926"   "5725008"  <br>"5746244"   "5803120"   "5865473"  <br>"5871029"   "5881754"   "5884662"  <br>"5937892"   "5944225"   "5950663"  <br>"5960490"   "5979489"   "6023796"  <br>"6062251"   "6070614"   "6073972"  <br>"6079447"   "6085784"   "6123106"  <br>"6138296"   "6202686"   "6256810"  <br>"6305407"   "6328059"   "6609732"  <br>"6729344"   "6757921"   "6920892"  <br>"7000854"   "7077153"   "7096879"  <br>"7121303"   "7216663"   "7721761").PN.<br>OR ("8646476").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | OR | OFF | 2020/07/19<br>23:01 |
| S36 | 1     | (12/992442).APP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | USPAT;<br>USOCR                                                            | OR | OFF | 2020/07/20<br>10:55 |
| S37 | 8     | BE adj "896360"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2020/07/20<br>11:00 |
| S38 | 9,880 | (A47L15/0065 or A47L15/16 or<br>A47L15/42 or A47L15/4278).cpc.<br>(E03C1/0404 or B05B12/002 or B05B1/28<br>or B08B9/34 or E03C1/04).cpc.<br>134/104.2.ccls.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT                              | OR | ON  | 2020/07/20<br>12:44 |
| S39 | 333   | S38 and (brush bristle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;                        | OR | ON  | 2020/07/20<br>12:44 |

|     |    |                                      |                                                                            |    |    |                     |
|-----|----|--------------------------------------|----------------------------------------------------------------------------|----|----|---------------------|
|     |    |                                      | DERWENT;<br>IBM_TDB                                                        |    |    |                     |
| S40 | 12 | S38 and ((brush bristle) with glass) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2020/07/20<br>12:44 |

### **EAST Search History (Interference)**

<This search history is empty>

7/20/2020 1:52:37 PM

C:\Users\csims1\Documents\EAST\Workspaces\16131035.wsp

## Bibliographic Data

Application No: 16/131,035

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /CRISTI J TATE-SIMS/

CTS

Examiner's Signature

Initials

Title: VESSEL RINSING APPARATUS

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| FILING or 371(c) DATE | CLASS | GROUP ART UNIT | ATTORNEY DOCKET NO. |
|-----------------------|-------|----------------|---------------------|
| 09/14/2018            | 134   | 1711           | DFC-5558-01-US      |
| RULE                  |       |                |                     |

### APPLICANTS

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### CONTINUING DATA

### FOREIGN APPLICATIONS

### IF REQUIRED, FOREIGN LICENSE GRANTED\*\*

10/03/2018

### STATE OR COUNTRY

UNITED STATES

### ADDRESS

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UNITED STATES

**FILING FEE RECEIVED**

\$2,880

Doc code: IDS

PTO/SB/08a (02-18)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2020. OMB 0651-0031

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|-----------------------------------------------------------------------------------------------------|------------------------|-----------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                 | 16131035   |  |
|                                                                                                     | Filing Date            |                 | 2018-09-14 |  |
|                                                                                                     | First Named Inventor   | Mark Cipriani   |            |  |
|                                                                                                     | Art Unit               | 1711            |            |  |
|                                                                                                     | Examiner Name          | Michael E. Barr |            |  |
|                                                                                                     | Attorney Docket Number | DFC-5558-01-US  |            |  |

| U.S.PATENTS       |         |               |                        |            |                                                 |                                                                        |
|-------------------|---------|---------------|------------------------|------------|-------------------------------------------------|------------------------------------------------------------------------|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
|                   | 1       |               |                        |            |                                                 |                                                                        |

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| Examiner Initial*                   | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
|                                     | 1       | 20080142095        |                        | 2008-06-19       | Van Der Linden                                  |                                                                        |

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| FOREIGN PATENT DOCUMENTS |         |                                      |                           |                        |                  |                                                 |                                                                        |                          |
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| Examiner Initial*        | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
|                          | 1       |                                      |                           |                        |                  |                                                 |                                                                        | <input type="checkbox"/> |

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| Examiner Initials*              | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup> |
|                                 |         |                                                                                                                                                                                                                                                                 |                |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                 |  |  |
|------------------------|-----------------|--|--|
| Application Number     | 16131035        |  |  |
| Filing Date            | 2018-09-14      |  |  |
| First Named Inventor   | Mark Cipriani   |  |  |
| Art Unit               | 1711            |  |  |
| Examiner Name          | Michael E. Barr |  |  |
| Attorney Docket Number | DFC-5558-01-US  |  |  |

|  |   |  |                          |
|--|---|--|--------------------------|
|  | 1 |  | <input type="checkbox"/> |
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**EXAMINER SIGNATURE**

|                    |                      |                 |            |
|--------------------|----------------------|-----------------|------------|
| Examiner Signature | /CRISTI J TATE-SIMS/ | Date Considered | 07/19/2020 |
|--------------------|----------------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

( Not for submission under 37 CFR 1.99)

|                        |                 |
|------------------------|-----------------|
| Application Number     | 16131035        |
| Filing Date            | 2018-09-14      |
| First Named Inventor   | Mark Cipriani   |
| Art Unit               | 1711            |
| Examiner Name          | Michael E. Barr |
| Attorney Docket Number | DFC-5558-01-US  |

## CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

### SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                       |                     |            |
|------------|-----------------------|---------------------|------------|
| Signature  | /Douglas A. Yerkeson/ | Date (YYYY-MM-DD)   | 2019-01-29 |
| Name/Print | Douglas A. Yerkeson   | Registration Number | 39882      |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

2PTO SB08/A

|                                                                                                                                          |   |    |   |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|--------------------------|--------------------|
| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |   |    |   | <b>Complete if Known</b> |                    |
|                                                                                                                                          |   |    |   | Application Number       | 16/131,035         |
|                                                                                                                                          |   |    |   | Filing Date              | September 14, 2018 |
|                                                                                                                                          |   |    |   | First Named Inventor     | Mark Cipriani      |
|                                                                                                                                          |   |    |   | Art Unit                 | 1711               |
|                                                                                                                                          |   |    |   | Examiner Name            | Not Assigned       |
| Sheet                                                                                                                                    | 1 | of | 1 | Attorney Docket Number   | DFC-5558-01-US     |

| U.S. PATENT AND PATENT PUBLICATION DOCUMENTS |             |                                             |                                |                                                    |                                                                                    |   |
|----------------------------------------------|-------------|---------------------------------------------|--------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------|---|
| *EXAMINER<br>INITIAL                         | Cite<br>No. | DOCUMENT NUMBER                             | Publication Date<br>MM-YYYY    | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear    |   |
|                                              |             | Number-Kind Code (if known)                 |                                |                                                    |                                                                                    |   |
|                                              | AA          | 708,844                                     | 09-1902                        | Sweeney                                            |                                                                                    |   |
|                                              | AB          | 737,247                                     | 08-1903                        | Kammerer                                           |                                                                                    |   |
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|                                              | AD          | 2004/0168711                                | 09-2004                        | Dickson, Jr. et al.                                |                                                                                    |   |
|                                              | AE          | 8,646,476                                   | 02-2014                        | Thomas et al.                                      |                                                                                    |   |
|                                              | AF          | 2018/0092505                                | 04-2018                        | Simon                                              |                                                                                    |   |
|                                              | AG          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AH          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AI          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AJ          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AK          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AL          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AM          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AN          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AO          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AP          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AQ          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AR          |                                             |                                |                                                    |                                                                                    |   |
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|                                              | AT          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AU          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AV          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AW          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AX          |                                             |                                |                                                    |                                                                                    |   |
| FOREIGN PATENT DOCUMENTS                     |             |                                             |                                |                                                    |                                                                                    |   |
| Examiner<br>Initials*                        | Cite<br>No. | Foreign Patent Document                     | Publication<br>Date<br>MM-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear | T |
|                                              |             | Country Code-Number-Kind Code<br>(if known) |                                |                                                    |                                                                                    |   |
|                                              | AY          | BE896360                                    | 08-1983                        | Vervenne & Van Bell S A                            |                                                                                    |   |
|                                              | AZ          |                                             |                                |                                                    |                                                                                    |   |
| Examiner Signature                           |             | /CRISTI J TATE-SIMS/                        |                                | Date Considered                                    | 07/19/2020                                                                         |   |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 16/131,035         | 09/14/2018            | Mark Cipriani         | DFC-5558-01-US         |

**CONFIRMATION NO. 4854**

## PUBLICATION NOTICE



\*OC000000115560275\*

79958  
Masco Corporation  
Faegre Drinker Biddle & Reath LLP  
300 North Meridian Street  
Suite 2500  
Indianapolis, IN 46204

**Title:** VESSEL RINSING APPARATUS

**Publication No.** US-2020-0087899-A1

**Publication Date:** 03/19/2020

## NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at [www.uspto.gov](http://www.uspto.gov). The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**Title of  
Invention

VESSEL RINSING APPARATUS

As the below named inventor, I hereby declare that:

This declaration  
is directed to.☐

The attached application, or

☒United States application or PCT international application number 16/131,035filed on September 14, 2018

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

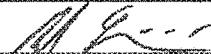
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**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**LEGAL NAME OF INVENTOR**Inventor: Mark CIPRIANI

Date (Optional) : \_\_\_\_\_

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                           |                          |
|---------------------------|--------------------------|
| <b>Title of Invention</b> | VESSEL RINSING APPARATUS |
|---------------------------|--------------------------|

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or ☒ United States application or PCT international application number 16/131,035 filed on September 14, 2018.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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**LEGAL NAME OF INVENTOR**

Inventor: Anthony Joseph TENTLER Date (Optional): 9/30/18

Signature: ANTHONY JOSEPH TENTLER

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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This declaration  
is directed to:☐

The attached application, or

☒United States application or PCT international application number 16/131,035filed on September 14, 2018

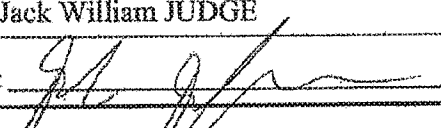
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**LEGAL NAME OF INVENTOR**Inventor: Jack William JUDGEDate (Optional): 10/15/2018Signature: 

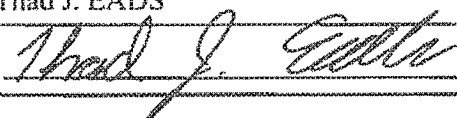
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Title of<br>Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VESSEL RINSING APPARATUS                                                            |                                                                                                                           |
| As the below named inventor, I hereby declare that:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |                                                                                                                           |
| This declaration<br>is directed to.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/>                                                            | The attached application, or                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/>                                                 | United States application or PCT international application number <u>16/131,035</u><br>filed on <u>September 14, 2018</u> |
| The above-identified application was made or authorized to be made by me.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                                                           |
| I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                                                                                                           |
| I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001<br>by fine or imprisonment of not more than five (5) years, or both.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                                                           |
| <b>WARNING:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                                           |
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| LEGAL NAME OF INVENTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                                                           |
| Inventor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Thad J. EADS                                                                        | Date (Optional): <u>9/27/18</u>                                                                                           |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                           |
| Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have<br>been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                                                                                                           |

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# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |  |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|------------------|
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | VESSEL RINSING APPARATUS                                                            |  |                  |
| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> United States application or PCT international application number <u>16/131,035</u> filed on <u>September 14, 2018</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p style="text-align: center;"><b>WARNING:</b></p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p> |                                                                                     |  |                  |
| LEGAL NAME OF INVENTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |  |                  |
| Inventor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Michael Scot ROSKO                                                                  |  | Date (Optional): |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |                  |
| <p>Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |  |                  |

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Title of  
Invention

VESSEL RINSING APPARATUS

As the below named inventor, I hereby declare that:

This declaration  
is directed to:

☐

The attached application, or

☒

United States application or PCT international application number 16/131,035

filed on September 14, 2018

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

### WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

### LEGAL NAME OF INVENTOR

Inventor: Raoul J. Labrie

Date (Optional): 10-31-18

Signature: [Signature]

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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If you need assistance in completing the form, call 1-800-PTO-199 and select option 2.



KASSY MARIE WILSON, Notary Public  
Shelby County, State of Indiana  
My Commission Expires January 24, 2025

*Kassy Marie Wilson*

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of  
Invention **VESSELL RINSING APPARATUS**

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or  
☒ United States application or PCT international application number 16/131,035  
filed on September 14, 2018

The above-identified application was made or authorized to be made by me.

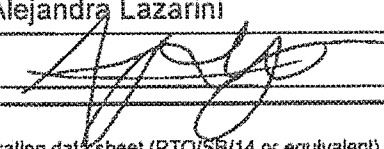
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**WARNING:**

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**LEGAL NAME OF INVENTOR**

Inventor: Alejandra Lazarini Date (Optional): \_\_\_\_\_  
Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**Title of  
Invention

VESSELL RINSING APPARATUS

As the below named inventor, I hereby declare that:

This declaration  
is directed to:☐

The attached application, or

☒United States application or PCT international application number 16/131,035filed on September 14, 2018

The above-identified application was made or authorized to be made by me.

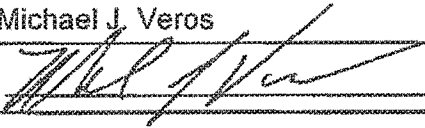
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001  
by fine or imprisonment of not more than five (5) years, or both.**WARNING:**

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**LEGAL NAME OF INVENTOR**Inventor: Michael J. Veros

Date (Optional): \_\_\_\_\_

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.

## Electronic Acknowledgement Receipt

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| <b>EFS ID:</b>                              | 35182478                            |
| <b>Application Number:</b>                  | 16131035                            |
| <b>International Application Number:</b>    |                                     |
| <b>Confirmation Number:</b>                 | 4854                                |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS            |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                       |
| <b>Customer Number:</b>                     | 79958                               |
| <b>Filer:</b>                               | Douglas Alan Yerkeson/Patsy Fonseca |
| <b>Filer Authorized By:</b>                 | Douglas Alan Yerkeson               |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                      |
| <b>Receipt Date:</b>                        | 19-FEB-2019                         |
| <b>Filing Date:</b>                         | 14-SEP-2018                         |
| <b>Time Stamp:</b>                          | 10:47:48                            |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)         |

### Payment information:

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

### File Listing:

| Document Number | Document Description      | File Name                                | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|-----------------|---------------------------|------------------------------------------|------------------------------------------|------------------|------------------|
| 1               | Oath or Declaration filed | 20190219_DFC-5558-01-US_Declarations.pdf | 969231                                   | no               | 8                |
|                 |                           |                                          | ba5b0601feb64babf5f891152619ef3f94e4bd7e |                  |                  |

### Warnings:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 969231 |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p> |        |

|                                                                                                     |                        |                 |            |  |
|-----------------------------------------------------------------------------------------------------|------------------------|-----------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                 | 16131035   |  |
|                                                                                                     | Filing Date            |                 | 2018-09-14 |  |
|                                                                                                     | First Named Inventor   | Mark Cipriani   |            |  |
|                                                                                                     | Art Unit               | 1711            |            |  |
|                                                                                                     | Examiner Name          | Michael E. Barr |            |  |
|                                                                                                     | Attorney Docket Number | DFC-5558-01-US  |            |  |

| U.S.PATENTS       |         |               |                        |            |                                                 |                                                                        |
|-------------------|---------|---------------|------------------------|------------|-------------------------------------------------|------------------------------------------------------------------------|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
|                   | 1       |               |                        |            |                                                 |                                                                        |

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| U.S.PATENT APPLICATION PUBLICATIONS |         |                    |                        |                  |                                                 |                                                                        |
|-------------------------------------|---------|--------------------|------------------------|------------------|-------------------------------------------------|------------------------------------------------------------------------|
| Examiner Initial*                   | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
|                                     | 1       | 20080142095        |                        | 2008-06-19       | Van Der Linden                                  |                                                                        |

If you wish to add additional U.S. Published Application citation information please click the Add button.

| FOREIGN PATENT DOCUMENTS |         |                                      |                           |                        |                  |                                                 |                                                                        |                          |
|--------------------------|---------|--------------------------------------|---------------------------|------------------------|------------------|-------------------------------------------------|------------------------------------------------------------------------|--------------------------|
| Examiner Initial*        | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
|                          | 1       |                                      |                           |                        |                  |                                                 |                                                                        | <input type="checkbox"/> |

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| NON-PATENT LITERATURE DOCUMENTS |         |                                                                                                                                                                                                                                                                 |                |
|---------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials*              | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup> |
|                                 |         |                                                                                                                                                                                                                                                                 |                |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                 |
|------------------------|-----------------|
| Application Number     | 16131035        |
| Filing Date            | 2018-09-14      |
| First Named Inventor   | Mark Cipriani   |
| Art Unit               | 1711            |
| Examiner Name          | Michael E. Barr |
| Attorney Docket Number | DFC-5558-01-US  |

|  |   |  |                          |
|--|---|--|--------------------------|
|  | 1 |  | <input type="checkbox"/> |
|--|---|--|--------------------------|

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**EXAMINER SIGNATURE**

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                 |
|------------------------|-----------------|
| Application Number     | 16131035        |
| Filing Date            | 2018-09-14      |
| First Named Inventor   | Mark Cipriani   |
| Art Unit               | 1711            |
| Examiner Name          | Michael E. Barr |
| Attorney Docket Number | DFC-5558-01-US  |

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

|            |                       |                     |            |
|------------|-----------------------|---------------------|------------|
| Signature  | /Douglas A. Yerkeson/ | Date (YYYY-MM-DD)   | 2019-01-29 |
| Name/Print | Douglas A. Yerkeson   | Registration Number | 39882      |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## Electronic Acknowledgement Receipt

|                                             |                             |
|---------------------------------------------|-----------------------------|
| <b>EFS ID:</b>                              | 34997063                    |
| <b>Application Number:</b>                  | 16131035                    |
| <b>International Application Number:</b>    |                             |
| <b>Confirmation Number:</b>                 | 4854                        |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS    |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani               |
| <b>Customer Number:</b>                     | 79958                       |
| <b>Filer:</b>                               | Douglas Alan Yerkeson       |
| <b>Filer Authorized By:</b>                 |                             |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US              |
| <b>Receipt Date:</b>                        | 29-JAN-2019                 |
| <b>Filing Date:</b>                         | 14-SEP-2018                 |
| <b>Time Stamp:</b>                          | 16:38:06                    |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a) |

### Payment information:

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

### File Listing:

| Document Number | Document Description                                  | File Name | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|-----------------|-------------------------------------------------------|-----------|------------------------------------------|------------------|------------------|
| 1               | Information Disclosure Statement (IDS)<br>Form (SB08) | IDS.pdf   | 71354                                    | no               | 4                |
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### Warnings:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |
| This is not an USPTO supplied IDS fillable form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 71354 |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |       |



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 16/131,035         | 09/14/2018            | Mark Cipriani         | DFC-5558-01-US         |

**CONFIRMATION NO. 4854**

**POA ACCEPTANCE LETTER**



79958  
Masco Corporation  
Faegre Baker Daniels LLP  
300 North Meridian Street  
Suite 2700  
Indianapolis, IN 46204

Date Mailed: 10/30/2018

## NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/25/2018.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/yfeferra/

## POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number

Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)



I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

79958

OR



I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:



The address associated with the above-mentioned Customer Number

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OR



Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Delta Faucet Company



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)



Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.45(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

### SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

October 15, 2018

Name

John Sznewajs

Title

Vice President - Delta Faucet Company

**NOTE:** Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.



Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Electronic Acknowledgement Receipt

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| <b>EFS ID:</b>                              | 34109257                            |
| <b>Application Number:</b>                  | 16131035                            |
| <b>International Application Number:</b>    |                                     |
| <b>Confirmation Number:</b>                 | 4854                                |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS            |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                       |
| <b>Customer Number:</b>                     | 79958                               |
| <b>Filer:</b>                               | Douglas Alan Yerkeson/Patsy Fonseca |
| <b>Filer Authorized By:</b>                 | Douglas Alan Yerkeson               |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                      |
| <b>Receipt Date:</b>                        | 25-OCT-2018                         |
| <b>Filing Date:</b>                         | 14-SEP-2018                         |
| <b>Time Stamp:</b>                          | 08:18:18                            |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)         |

### Payment information:

|                        |    |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

### File Listing:

| Document Number | Document Description | File Name                       | File Size(Bytes)/<br>Message Digest      | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---------------------------------|------------------------------------------|------------------|------------------|
| 1               | Power of Attorney    | 20181025_DFC-5558-01-US_POA.pdf | 812869                                   | no               | 1                |
|                 |                      |                                 | 722b531d54149e60b9be0a6d70c8f2dd40083674 |                  |                  |

### Warnings:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
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| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 812869 |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p> |        |

|                                                                                                                                          |   |    |   |                          |                    |
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| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |   |    |   | <b>Complete if Known</b> |                    |
|                                                                                                                                          |   |    |   | Application Number       | 16/131,035         |
|                                                                                                                                          |   |    |   | Filing Date              | September 14, 2018 |
|                                                                                                                                          |   |    |   | First Named Inventor     | Mark Cipriani      |
|                                                                                                                                          |   |    |   | Art Unit                 | 1711               |
|                                                                                                                                          |   |    |   | Examiner Name            | Not Assigned       |
| Sheet                                                                                                                                    | 1 | of | 1 | Attorney Docket Number   | DFC-5558-01-US     |

| U.S. PATENT AND PATENT PUBLICATION DOCUMENTS |             |                                             |                                |                                                    |                                                                                    |   |
|----------------------------------------------|-------------|---------------------------------------------|--------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------|---|
| *EXAMINER<br>INITIAL                         | Cite<br>No. | DOCUMENT NUMBER                             | Publication Date<br>MM-YYYY    | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear    |   |
|                                              |             | Number-Kind Code (if known)                 |                                |                                                    |                                                                                    |   |
|                                              | AA          | 708,844                                     | 09-1902                        | Sweeney                                            |                                                                                    |   |
|                                              | AB          | 737,247                                     | 08-1903                        | Kammerer                                           |                                                                                    |   |
|                                              | AC          | 784,755                                     | 03-1905                        | Pein                                               |                                                                                    |   |
|                                              | AD          | 2004/0168711                                | 09-2004                        | Dickson, Jr. et al.                                |                                                                                    |   |
|                                              | AE          | 8,646,476                                   | 02-2014                        | Thomas et al.                                      |                                                                                    |   |
|                                              | AF          | 2018/0092505                                | 04-2018                        | Simon                                              |                                                                                    |   |
|                                              | AG          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AH          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AI          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AJ          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AK          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AL          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AM          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AN          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AO          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AP          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AQ          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AR          |                                             |                                |                                                    |                                                                                    |   |
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|                                              | AT          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AU          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AV          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AW          |                                             |                                |                                                    |                                                                                    |   |
|                                              | AX          |                                             |                                |                                                    |                                                                                    |   |
| FOREIGN PATENT DOCUMENTS                     |             |                                             |                                |                                                    |                                                                                    |   |
| Examiner<br>Initials*                        | Cite<br>No. | Foreign Patent Document                     | Publication<br>Date<br>MM-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear | T |
|                                              |             | Country Code-Number-Kind Code<br>(if known) |                                |                                                    |                                                                                    |   |
|                                              | AY          | BE896360                                    | 08-1983                        | Vervenne & Van Bell S A                            |                                                                                    |   |
|                                              | AZ          |                                             |                                |                                                    |                                                                                    |   |
| Examiner Signature                           |             |                                             | Date Considered                |                                                    |                                                                                    |   |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## Electronic Acknowledgement Receipt

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| <b>EFS ID:</b>                              | 34103312                            |
| <b>Application Number:</b>                  | 16131035                            |
| <b>International Application Number:</b>    |                                     |
| <b>Confirmation Number:</b>                 | 4854                                |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS            |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                       |
| <b>Customer Number:</b>                     | 79958                               |
| <b>Filer:</b>                               | Douglas Alan Yerkeson/Patsy Fonseca |
| <b>Filer Authorized By:</b>                 | Douglas Alan Yerkeson               |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                      |
| <b>Receipt Date:</b>                        | 25-OCT-2018                         |
| <b>Filing Date:</b>                         | 14-SEP-2018                         |
| <b>Time Stamp:</b>                          | 08:07:08                            |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)         |

### Payment information:

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| Submitted with Payment | no |
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### File Listing:

| Document Number | Document Description | File Name                               | File Size(Bytes)/<br>Message Digest               | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|-----------------------------------------|---------------------------------------------------|------------------|------------------|
| 1               | Foreign Reference    | DFC-5558-01-US_Abstract_of_BE896360.pdf | 66245<br>36cc4e9791101b4742a51e35a9b3c0e397f1cc11 | no               | 1                |

### Warnings:

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| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                      |                                                     |    |    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Foreign Reference                                  | DFC-5558-01-US_BE896360A.pdf                         | 8296664<br>d776e984c06adbcc42c9120246a484b84ec55389 | no | 12 |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |                                                      |                                                     |    |    |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                      |                                                     |    |    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Transmittal Letter                                 | 20181025_DFC-5558-01-US_LettertoPTOSubmittingIDS.pdf | 49931<br>6bc686c117146ec966a47976b37258da5b30128c   | no | 1  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |                                                      |                                                     |    |    |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                      |                                                     |    |    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Information Disclosure Statement (IDS) Form (SB08) | 20181025_DFC-5558-01-US_IDS.pdf                      | 160818<br>74acba005a6118aa38a52bc97f716fe6a6f7da01  | no | 1  |
| <b>Warnings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |                                                      |                                                     |    |    |
| <b>Information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                      |                                                     |    |    |
| This is not an USPTO supplied IDS fillable form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |                                                      |                                                     |    |    |
| <b>Total Files Size (in bytes):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                      | 8573658                                             |    |    |
| <p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b><br/> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b><br/> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b><br/> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p> |                                                    |                                                      |                                                     |    |    |



Espacenet

**Bibliographic data: BE896360 (A) — 1983-08-01**

---

Drainer for drinking glasses -is mounted in trough, and consists of central tube with outer concentric sleeve, and inner control valve

**Inventor(s):**

**Applicant(s):** VERVENNE & VAN BELL S A ± (VERVENNE & VAN BELL S.A)

**Classification:** - international: **A47L15/00; A47L15/16; B08B9/34;**  
(IPC1-7): A47L

- cooperative: **A47L15/0065; B08B9/34**

**Application number:** BE19830210476 19830401

**Priority number(s):** BE19830210476 19830401 ; BE19830896360 19830401

**Abstract of BE896360 (A)**

The drinking-glass drainer is mounted in a trough inside a draining board, and has a cross-piece at the top. The drainer consists of a central tubular section inside which is mounted the control for the rinsing water. Outside the tubular section is mounted a concentric sleeve. The top of the tubular section has a cylindrical shoulder (24) with notches resting on the periphery of an outlet hole in the trough. The bottom of the concentric sleeve has a side discharge pipe.



MINISTÈRE DES AFFAIRES ÉCONOMIQUES

N° 896.360

Classif. Internat. :

A47L

Mis en lecture le :

01-08-1983

Le Ministre des Affaires Économiques,

*Vu la loi du 24 mai 1854 sur les brevets d'invention :*

*Vu le procès-verbal dressé le 1 avril 1983 à 14 h. 45*  
au Service de la Propriété industrielle;

**ARRÊTE :**

**Article 1.** — Il est délivré à la Sté dite : VERVENNE & VAN BELLE Société Anonyme,  
rue Pierre Schlosser, 8-10, Bruxelles,

repr. par le Cabinet Bede à Bruxelles,

un brevet d'invention pour : Rince-verres et plateau-égouttoir équipé d'un tel rince-verres

**Article 2.** — Ce brevet lui est délivré sans examen préalable, à ses risques et périls, sans garantie soit de la réalité, de la nouveauté ou du mérite de l'invention, soit de l'exactitude de la description, et sans préjudice du droit des tiers.

Au présent arrêté demeurera joint un des doubles de la spécification de l'invention (mémoire descriptif et éventuellement dessins) signés par l'intéressé et déposés à l'appui de sa demande de brevet.

Bruxelles, le 29 avril 1983

PAR DÉLÉGATION SPÉCIALE :

Le Directeur Général

R. RAUX

845350

La Société dite : VERVENNE & VAN BELLE Société Anonyme  
à B-1070 BRUXELLES (Belgique)

-----  
Rince-verres et plateau-égouttoir équipé d'un tel  
rince-verres.  
-----

La présente invention concerne les rince-verres et leur plateau-égouttoir utilisés particulièrement pour les débits de boissons.

Les plateaux-égouttoirs de ce genre sont généralement réalisés en tôle d'acier inoxydable repliée sur ses bords et comportent souvent un rince-verres placé dans une cuvette. Celle-ci peut être emboutie dans la tôle même, soit rapportée par soudure. Le rince-verres se compose d'un croisillon muni dans son centre d'un gicleur relié à une canalisation d'eau de rinçage généralement réfrigérée. Lorsqu'on applique le bord supérieur d'un verre retourné sur le croisillon, celui-ci se déplace légèrement vers le bas ouvrant ainsi le passage de l'eau de rinçage vers le gicleur.

Les mécanisme de rince-verres actuellement sur le marché sont d'une hauteur telle qu'il est nécessaire d'avoir une partie emboutie ou cuvette profonde débordant largement en dessous de la face inférieure du bord replié du plateau.

Ceci a comme conséquence néfaste qu'une découpe importante, correspondant à la superficie totale de la partie emboutie ou cuvette, doit être effectuée dans la tablette du comptoir ce qui n'est pas toujours acceptable et parfois difficile à réaliser.

D'autre part, le mécanisme rince-verres actuel ne peut pas être monté plus haut étant donné que la partie supérieure ou croisillon ne peut pas dépasser de la surface supérieure du plateau.

Un autre inconvénient de ces plateaux est que la réalisation d'emboutissages profonds pose toujours des problèmes de fabrication et en particulier avec des tôles en acier inoxydable.

Les plateaux-égouttoirs actuels sont munis d'un écoulement de retour d'eau disposé latéralement par rapport au raccordement du rince-verres. Dans le fond des cuvettes, on prévoit donc deux orifices, un pour le rince-verres et un pour l'écoulement, qui sont

souvent prévus avec des logements circulaires en creux destinés à recevoir des joints d'étanchéité. Il en résulte que les liquides peuvent stagner dans le fond de la cuvette et qu'il est malaisé, sinon impossible, de la nettoyer convenablement.

Enfin tous les mécanismes actuellement sur le marché présentent des fuites parasites de l'eau de rinçage, ce qui entraîne :

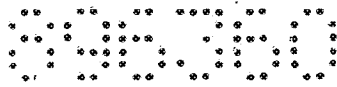
- une consommation inutile d'eau
- une consommation inutile d'électricité : il faut savoir, en effet, que l'eau de rinçage est généralement réfrigérée par le matériel assurant la réfrigération des boissons.

Les buts de la présente invention sont d'améliorer l'hygiène à l'emploi du rince-verres, de faciliter la fabrication du plateau-égouttoir ainsi que le placement et l'entretien de l'ensemble et enfin de diminuer les pertes d'eau réfrigérée d'où économie d'eau et d'électricité à l'emploi.

A cet effet, le rince-verres, objet de l'invention, comprend essentiellement un corps tubulaire central à l'intérieur duquel est monté le mécanisme de commande du passage de l'eau de rinçage et à l'extérieur duquel est monté un manchon concentrique entre lequel et le corps tubulaire peuvent s'écouler les décharges de liquides.

Un autre objet de l'invention est que l'extrémité supérieure du corps tubulaire est munie d'un épaulement cylindrique pour le maintien en position centrale du corps tubulaire par rapport à l'orifice d'écoulement central de la cuvette, cet épaulement cylindrique étant muni sur sa circonférence de plusieurs entailles radiales permettant l'écoulement des liquides.

D'autres particularités et avantages de l'invention seront décrits ci-après à l'aide d'un exemple



de réalisation non limitatif en se référant aux dessins annexés dans lesquels :

la figure 1 représente une vue en coupe partielle de l'ensemble rince-verres/plateau-égouttoir suivant l'invention ;

la figure 2 est une vue partielle de dessus de l'épaulement du corps tubulaire central.

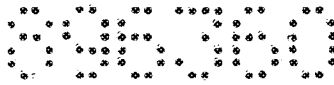
Sur la figure 1 on a montré en 10 la tablette d'un comptoir de débit de boissons, en 11 le plateau-égouttoir avec son rebord latéral 12 et une partie emboutie de forme conique ou cuvette 13. La périphérie de la cuvette 13 est surmontée habituellement d'une grille amovible 14.

Au centre de la grille 14 et à un niveau légèrement plus bas de celle-ci, est disposé un croisillon 15 du genre connu en soi qui est relié au mécanisme de commande 20 du passage de l'eau de rinçage du rince-verres.

Conformément à l'invention, ce mécanisme 20, également connu en soi, est logé à l'intérieur d'un corps tubulaire 22 dont l'extrémité supérieure est pourvue d'un épaulement cylindrique 24. La périphérie de cet épaulement 24 est munie d'entailles radiales 26 (figure 2) qui sont au nombre de quatre dans l'exemple illustré.

L'épaulement 24 prend appui sur le bord de l'orifice d'écoulement 16 de la cuvette 13. De préférence la lisière bordant cet orifice 16 présentera un léger bord vertical 17 afin de rigidifier la tôle, de permettre le centrage facile du corps tubulaire 22 et d'éviter les fuites par rejet d'eau en cas de défaut d'étanchéité au joint 23 dont il sera question plus loin dans la description.

L'intérieur du mécanisme 20 du rince-verres peut être démonté à l'aide d'un écrou molleté 28 qui



sert également de déflecteur de l'eau de rinçage. Entre  
l'écrou molleté 28 et le corps tubulaire 22 est prévu  
un joint torique ou "O"-ring 30. Entre une tige de poussée  
32 et le corps 20 du mécanisme rince-verres, on prévoit  
5 également un joint torique 34.

Cette tige 32 est déplacée vers le bas, comme  
illustré en pointillé sur la figure 1, lorsqu'on appuie  
avec un verre sur le croisillon 15 et libère le passage  
de l'eau de rinçage.

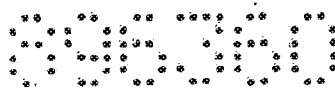
10 Autour du corps tubulaire 22 est monté, suivant  
l'invention, un manchon concentrique 36 à l'aide d'un  
écrou de serrage 38. Le bord supérieur du manchon 36  
est muni d'une rainure concentrique dans laquelle est  
logé le joint 23. Par le serrage de l'écrou 38, le joint  
15 23 est écrasé entre le bord supérieur du manchon 36  
et la périphérie inférieure de l'orifice d'écoulement  
16 de la cuvette 13.

Dans la partie inférieure du manchon 36 est  
prévu un tuyau d'évacuation latéral 40 des eaux usées.  
20 Ce tuyau est avantageusement incliné vers le bas pour  
faciliter l'écoulement et éviter la stagnation de  
l'eau dans le fond du manchon 36.

Le mérite de la présente invention réside dans  
la combinaison de l'écoulement avec l'arrivée d'eau  
25 dans un ensemble rince-verres compact dont la réduction  
de taille a pu être obtenue par un arrangement original  
des pièces constitutives tel qu'une partie du mécanisme  
est incorporée dans l'espace réduit que constitue la  
tubulure d'admission d'eau ainsi que par une étude  
30 serrée des dimensions des pièces.

Les avantages propres au rince-verres selon  
l'invention sont notamment :

a) qu'il est démontable manuellement :  
pour démontage, inspection ou réparation, sans utili-  
35 sation d'outils. L'écrou molleté de grande dimension



peut être facilement manoeuvré à la main. A titre accessoire, la dimension de l'écrou est telle que le démontage peut être effectué sans enlèvement préalable du croisillon;

- 5      b) qu'il est démontable par le haut :  
c'est-à-dire par la partie facilement accessible du plateau sans nécessiter une dépose de la canalisation d'arrivée d'eau;
- 10      c) qu'il ne présente pas de pertes d'eau parasites :  
un "O" ring étanche la tige de poussée de sorte qu'il n'y a pas d'autre consommation d'eau que celle du gicleur supérieur.
- 15      A noter que ce facteur vient faciliter l'utilisation de plateaux à cuvettes peu profondes : il n'y a pas d'éclaboussures vers l'utilisateur par ricochet des projections d'eau parasites sur les parois de la cuvette.

Les avantages propres à l'égouttoir, selon l'invention, sont que le comptoir ne doit plus être découpé

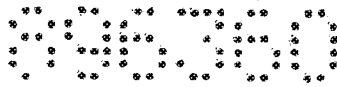
20      pour laisser passer la cuvette et que son perçage est limité au dégagement nécessaire au passage des tubulures d'arrivée d'eau et d'écoulement, ce qui procure :

- un gain de temps considérable au placement
- une réduction de la surface abîmée du comptoir
- 25      - une réduction de l'encombrement
- dans le cas de comptoirs réfrigérés : une réduction importante des pertes frigorifiques.

Les avantages propres à l'écoulement, dont les pièces sont disposées de façon concentrique sur la

30      tubulure d'arrivée d'eau du rince-verres, sont :

- a) amélioration de l'écoulement des liquides, c'est-à-dire facilité d'entretien et meilleure hygiène. La disposition permet de réaliser une cuvette de forme conique favorisant le drainage : une pente continue mène
- 35      les liquides jusque dans l'orifice d'écoulement sans



rencontrer d'aspérités ou surfaces plates permettant une stagnation.

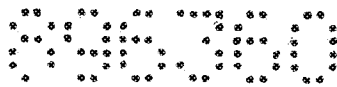
b) amélioration de l'étanchéité : la suppression du trou latéral d'écoulement entraîne évidemment une réduction des possibilités de fuite. Du point de vue esthétique également, l'aspect du plateau est sensiblement amélioré.

c) facilité de placement :

- un seul trou, de diamètre réduit, est nécessaire d'où gain de temps et dégâts limités au comptoir. Il faut remarquer, à ce propos, que le dispositif d'écoulement a la particularité d'avoir été conçu pour pouvoir être introduit dans un trou de  $\varnothing$  52 mm, ce diamètre correspond au passage nécessaire pour un tube de 1' 1/2", lequel se trouve être celui généralement utilisé pour la fixation sur égouttoir des colonnes de tirage à débits multiples, de sorte que les professionnels disposent généralement du matériel adéquat pour ce diamètre de perçage (emporte-pièce à boulon central). Ce perçage est donc très aisé en comparaison des découpes de grand diamètre nécessaires au passage des cuvettes profondes, rapportées (généralement  $\varnothing$  120) ou embouties, qui elles, nécessitent pratiquement l'utilisation d'une scie.

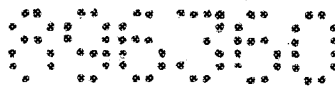
- un seul écrou, facilement accessible, fixe l'ensemble rince-verres + écoulement : dans un dispositif à décharge latérale, l'une des conduites gêne l'accès à l'autre d'autant que l'accès à la face inférieure du comptoir est souvent malaisé du fait de la présence de matériel frigorifique ou de meubles de rangement.

- le raccord d'écoulement est orientable à 360° ce qui facilite le raccordement du tube de décharge en évitant coude ou pliage du tube souple.



d) dans le cas de comptoirs réfrigérés, réduction sensible des pertes frigorifiques : par la suppression d'un trou et la facilité d'isoler l'unique ouverture circulaire.

5 Bien entendu diverses modifications peuvent être apportées par l'homme de l'art au dispositif qui vient d'être décrit uniquement à titre d'exemple non limitatif sans sortir du cadre de l'invention.



### REVENDECATIONS

1. Rince-verres destiné à être monté dans une  
cuvette d'un plateau-égouttoir et muni à sa partie  
supérieure d'un croisillon qui par son déplacement vers  
5 le bas provoque l'ouverture du passage de l'eau de  
rinçage au travers d'un gicleur central, caractérisé  
en ce qu'il comprend essentiellement un corps tubulaire  
central (22) à l'intérieur duquel est monté le mécanisme  
(20) de commande du passage de l'eau de rinçage et à  
10 l'extérieur duquel est monté un manchon concentrique  
(36) entre lequel et le corps tubulaire (22) peuvent  
s'écouler les décharges de liquides.

2. Rince-verres suivant la revendication 1,  
caractérisé en ce que l'extrémité supérieure du corps  
15 tubulaire (22) est munie d'un épaulement cylindrique  
(24) pouvant prendre appui sur la périphérie d'un  
orifice d'écoulement (16) prévu dans la cuvette (13)  
d'un plateau-égouttoir (11) et en ce que la circonfé-  
rence de l'épaulement (24) est pourvue de plusieurs  
20 entailles radiales (26) permettant l'écoulement des  
liquides.

3. Rince-verres suivant les revendications 1 et  
2, caractérisé en ce que le manchon concentrique (36)  
est monté sur le corps tubulaire (22) à l'aide d'un  
25 écrou de serrage (38) lequel provoque l'écrasement d'un  
joint d'étanchéité (23) entre le bord supérieur du  
manchon (36) et la périphérie inférieure de l'orifice  
d'écoulement (16) de la cuvette (13).

4. Rince-verres suivant les revendications 1 et  
30 2, caractérisé en ce que la partie inférieure du manchon  
concentrique (36) est munie d'un tuyau d'évacuation  
latéral (40) des eaux usées.

5. Rince-verres suivant les revendications 1 et  
2, caractérisé en ce qu'on prévoit des joints toriques  
35 (O-ring) (30 et 34) respectivement d'une part entre un



écrou molleté (28) de montage du mécanisme rince-verres et le corps tubulaire (22) et d'autre part entre une tige de poussée (32) et le corps (20) du mécanisme de commande du passage d'eau.

5                    6. Plateau-égouttoir pour rince-verres suivant la revendication 1, caractérisé en ce qu'il comprend une cuvette (13) de forme conique dont la profondeur totale ne dépasse pas la hauteur du rebord latéral (12) du plateau (11).

10                   7. Plateau-égouttoir suivant la revendication 6 caractérisé en ce qu'il présente au centre de la cuvette (13) un seul orifice d'écoulement (16) des eaux usées.

15                   8. Plateau-égouttoir suivant la revendication 7 caractérisé en ce que la lisière bordant l'orifice d'écoulement (16) des eaux usées présente un léger bord vertical (17).

20                   9. Ensemble rince-verres / plateau-égouttoir tel que décrit ci-dessus et revendiqué par les revendications 1 à 8.

Bruxelles le -<sup>1</sup> AVR. 1983

Ppon.: La société dite :  
VERVENNE & VAN BELLE  
Société Anonyme

Ppon.: CABINET BEDE, R. van Schoonbeek

FIG. 1

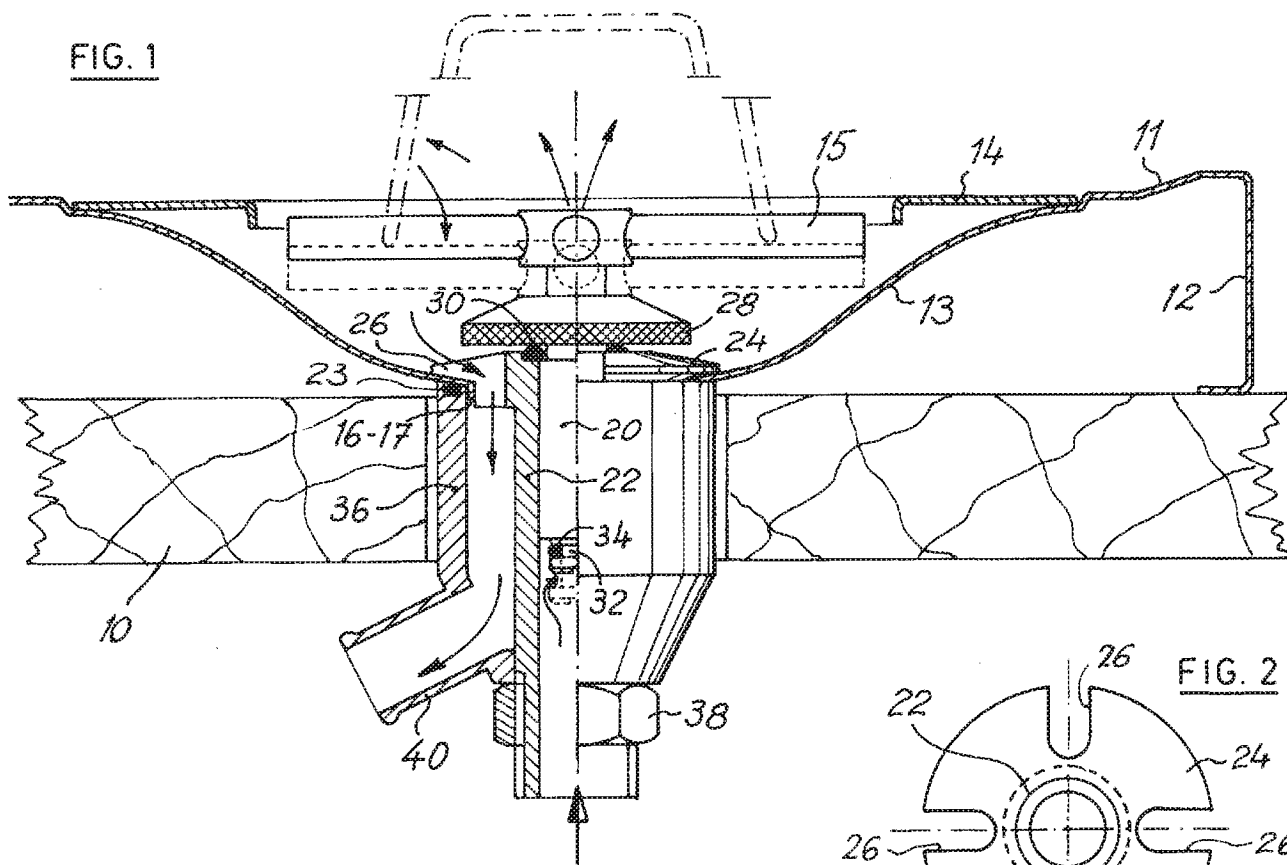
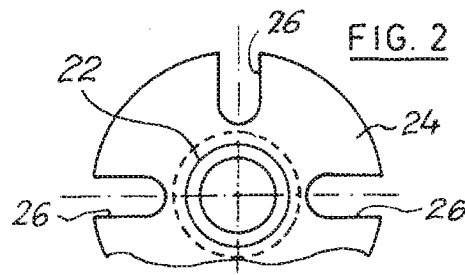


FIG. 2



Bruxelles, le 1 avril 1983  
P. Pon. Verenne & Van Belle S.A.  
P. Pon. CABINET BEDE, R. van Schoonbeek

*Verenne*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No. : 16/131,035 Confirmation No. 4854  
Inventors : Mark Cipriani  
Filed : September 14, 2018  
Title : VESSEL RINSING APPARATUS  
TC/A.U. : 1711  
Examiner : Not Assigned  
Docket No. : DFC-5558-01-US  
Customer No. : 79958

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This statement is filed in the application identified above pursuant to 37 C.F.R. §§1.97 and 1.98. Applicant calls attention to the art references within the knowledge of applicant and his attorneys which are listed on the attached form PTO-SB08. No representation is intended that a complete search has been made or that no better art references are available. The filing of this statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be prior art or, material to patentability as defined in 1.56(b).

If any fees are necessary in connection with this document, please charge Deposit Account No. 02-0390, Faegre Baker Daniels LLP.

Respectfully submitted,

Dated: October 25, 2018

/Douglas A. Yerkeson/  
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| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|-----------------|------------|------------|
| 16/131,035            | 09/14/2018               | 1711            | 2880          | DFC-5558-01-US  | 30         | 3          |

CONFIRMATION NO. 4854

FILING RECEIPT



0000000102797213

79958

Masco Corporation  
Faegre Baker Daniels LLP  
300 North Meridian Street  
Suite 2700  
Indianapolis, IN 46204

Date Mailed: 10/04/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

**Inventor(s)**

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**Applicant(s)**

Delta Faucet Company, Indianapolis, IN

**Power of Attorney:** None

**Domestic Applications for which benefit is claimed - None.**

*A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.*

**Foreign Applications** for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

*Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.*

**Permission to Access Application via Priority Document Exchange:** Yes

**Permission to Access Search Results:** Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

**If Required, Foreign Filing License Granted:** 10/03/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/131,035**

**Projected Publication Date:** 03/19/2020

**Non-Publication Request:** No

**Early Publication Request:** No  
**Title**

VESSEL RINSING APPARATUS

**Preliminary Class**

134

**Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications:** No

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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---

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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 16/131,035         | 09/14/2018            | Mark Cipriani         | DFC-5558-01-US         |

**CONFIRMATION NO. 4854**

**INFORMAL NOTICE**



79958  
Masco Corporation  
Faegre Baker Daniels LLP  
300 North Meridian Street  
Suite 2700  
Indianapolis, IN 46204

Date Mailed: 10/04/2018

**INFORMATIONAL NOTICE TO APPLICANT**

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

Mark Cipriani  
Anthony Joseph Tentler  
Jack William Judge  
Thad J. Eads  
Michael Scot Rosko  
Raoul Labrie  
Alejandra Lazarini  
Michael J. Veros

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/fhadera/

| <b>PATENT APPLICATION FEE DETERMINATION RECORD</b><br>Substitute for Form PTO-875                                                                                                                                                                                                                                                                                                                          |                                                                 |                                  |          |                                    |               | Application or Docket Number<br>16/131,035 |                    |                               |                    |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------|----------|------------------------------------|---------------|--------------------------------------------|--------------------|-------------------------------|--------------------|--------------------|
| <b>APPLICATION AS FILED - PART I</b>                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | (Column 2)                       |          | SMALL ENTITY                       |               | OR<br>OTHER THAN SMALL ENTITY              |                    |                               |                    |                    |
| FOR                                                                                                                                                                                                                                                                                                                                                                                                        | NUMBER FILED                                                    | NUMBER EXTRA                     | RATE(\$) | FEE(\$)                            |               | RATE(\$)                                   | FEE(\$)            |                               |                    |                    |
| BASIC FEE<br>(37 CFR 1.16(a), (b), or (c))                                                                                                                                                                                                                                                                                                                                                                 | N/A                                                             | N/A                              | N/A      |                                    |               | N/A                                        | 300                |                               |                    |                    |
| SEARCH FEE<br>(37 CFR 1.16(k), (l), or (m))                                                                                                                                                                                                                                                                                                                                                                | N/A                                                             | N/A                              | N/A      |                                    |               | N/A                                        | 660                |                               |                    |                    |
| EXAMINATION FEE<br>(37 CFR 1.16(o), (p), or (q))                                                                                                                                                                                                                                                                                                                                                           | N/A                                                             | N/A                              | N/A      |                                    |               | N/A                                        | 760                |                               |                    |                    |
| TOTAL CLAIMS<br>(37 CFR 1.16(j))                                                                                                                                                                                                                                                                                                                                                                           | 30      minus 20 =                                              | *                                |          |                                    |               | x    100    =                              | 1000               |                               |                    |                    |
| INDEPENDENT CLAIMS<br>(37 CFR 1.16(h))                                                                                                                                                                                                                                                                                                                                                                     | 3      minus 3 =                                                | *                                |          |                                    |               | x    460    =                              | 0.00               |                               |                    |                    |
| APPLICATION SIZE FEE<br>(37 CFR 1.16(s))<br>If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).                                                                                                                                  |                                                                 |                                  |          |                                    |               |                                            | 0.00               |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                  |          |                                    |               |                                            | 0.00               |                               |                    |                    |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                                  |          |                                    |               |                                            | 0.00               |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                  | TOTAL    |                                    |               | TOTAL                                      | 2720               |                               |                    |                    |
| * If the difference in column 1 is less than zero, enter "0" in column 2.                                                                                                                                                                                                                                                                                                                                  |                                                                 |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
| <b>APPLICATION AS AMENDED - PART II</b>                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
| (Column 1)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                 | (Column 2)                       |          | (Column 3)                         |               | SMALL ENTITY                               |                    | OR<br>OTHER THAN SMALL ENTITY |                    |                    |
| AMENDMENT A                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                               | RATE(\$)           | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Total<br>(37 CFR 1.16(i))                                       | *                                | Minus    | **                                 | =             | x      =                                   |                    |                               | x      =           |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Independent<br>(37 CFR 1.16(h))                                 | *                                | Minus    | ***                                | =             | x      =                                   |                    |                               | x      =           |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Application Size Fee (37 CFR 1.16(s))                           |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                  |          |                                    |               | TOTAL<br>ADD'L FEE                         |                    |                               | TOTAL<br>ADD'L FEE |                    |
| AMENDMENT B                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 | CLAIMS REMAINING AFTER AMENDMENT |          | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE(\$)                                   | ADDITIONAL FEE(\$) |                               | RATE(\$)           | ADDITIONAL FEE(\$) |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Total<br>(37 CFR 1.16(i))                                       | *                                | Minus    | **                                 | =             | x      =                                   |                    |                               | x      =           |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Independent<br>(37 CFR 1.16(h))                                 | *                                | Minus    | ***                                | =             | x      =                                   |                    |                               | x      =           |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | Application Size Fee (37 CFR 1.16(s))                           |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) |                                  |          |                                    |               |                                            |                    |                               |                    |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                  |          |                                    |               | TOTAL<br>ADD'L FEE                         |                    |                               | TOTAL<br>ADD'L FEE |                    |
| * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.<br>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".<br>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".<br>The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1. |                                                                 |                                  |          |                                    |               |                                            |                    |                               |                    |                    |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                        |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          | Attorney Docket Number | DFC-5558-01-US |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | Application Number     |                |
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VESSEL RINSING APPARATUS |                        |                |
| <p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p> |                          |                        |                |

**Secrecy Order 37 CFR 5.2:**

|                          |                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.) |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Inventor Information:**

|                                                                                                                                                                          |            |                |             |                      |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|----------------------|--------|
| Inventor                                                                                                                                                                 | 1          |                |             |                      | Remove |
| Legal Name                                                                                                                                                               |            |                |             |                      |        |
| Prefix                                                                                                                                                                   | Given Name | Middle Name    | Family Name | Suffix               |        |
|                                                                                                                                                                          | Mark       |                | Cipriani    |                      |        |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |            |                |             |                      |        |
| City                                                                                                                                                                     | Carmel     | State/Province | IN          | Country of Residence | US     |

**Mailing Address of Inventor:**

|             |                        |                |    |  |  |
|-------------|------------------------|----------------|----|--|--|
| Address 1   | 14104 James Dean Drive |                |    |  |  |
| Address 2   |                        |                |    |  |  |
| City        | Carmel                 | State/Province | IN |  |  |
| Postal Code | 46033                  | Country        | US |  |  |

|                                                                                                                                                                          |            |                |             |                      |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|----------------------|--------|
| Inventor                                                                                                                                                                 | 2          |                |             |                      | Remove |
| Legal Name                                                                                                                                                               |            |                |             |                      |        |
| Prefix                                                                                                                                                                   | Given Name | Middle Name    | Family Name | Suffix               |        |
|                                                                                                                                                                          | Anthony    | Joseph         | Tentler     |                      |        |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |            |                |             |                      |        |
| City                                                                                                                                                                     | Windfall   | State/Province | IN          | Country of Residence | US     |

**Mailing Address of Inventor:**

|             |              |                |    |  |  |
|-------------|--------------|----------------|----|--|--|
| Address 1   | 6302 E 500 N |                |    |  |  |
| Address 2   |              |                |    |  |  |
| City        | Windfall     | State/Province | IN |  |  |
| Postal Code | 46076        | Country        | US |  |  |

|                                                                                                                                                                          |            |             |             |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-------------|--------|--------|
| Inventor                                                                                                                                                                 | 3          |             |             |        | Remove |
| Legal Name                                                                                                                                                               |            |             |             |        |        |
| Prefix                                                                                                                                                                   | Given Name | Middle Name | Family Name | Suffix |        |
|                                                                                                                                                                          | Jack       | William     | Judge       |        |        |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |            |             |             |        |        |

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

|      |              |                |    |                      |    |
|------|--------------|----------------|----|----------------------|----|
| City | Indianapolis | State/Province | IN | Country of Residence | US |
|------|--------------|----------------|----|----------------------|----|

**Mailing Address of Inventor:**

|             |                    |                |    |  |                        |
|-------------|--------------------|----------------|----|--|------------------------|
| Address 1   | 1947 Pin Oak Court |                |    |  |                        |
| Address 2   |                    |                |    |  |                        |
| City        | Indianapolis       | State/Province | IN |  |                        |
| Postal Code | 46260              | Country        | US |  |                        |
| Inventor    | 4                  |                |    |  | <a href="#">Remove</a> |
| Legal Name  |                    |                |    |  |                        |

|                                                                                                                                                                          |            |                |             |                      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|----------------------|----|
| Prefix                                                                                                                                                                   | Given Name | Middle Name    | Family Name | Suffix               |    |
|                                                                                                                                                                          | Thad       | J.             | Eads        |                      |    |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |            |                |             |                      |    |
| City                                                                                                                                                                     | Urbana     | State/Province | IN          | Country of Residence | US |

**Mailing Address of Inventor:**

|             |              |                |    |  |                        |
|-------------|--------------|----------------|----|--|------------------------|
| Address 1   | 3276 N 500 E |                |    |  |                        |
| Address 2   |              |                |    |  |                        |
| City        | Urbana       | State/Province | IN |  |                        |
| Postal Code | 46990        | Country        | US |  |                        |
| Inventor    | 5            |                |    |  | <a href="#">Remove</a> |
| Legal Name  |              |                |    |  |                        |

|                                                                                                                                                                          |            |                |             |                      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|----------------------|----|
| Prefix                                                                                                                                                                   | Given Name | Middle Name    | Family Name | Suffix               |    |
|                                                                                                                                                                          | Michael    | Scot           | Rosko       |                      |    |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |            |                |             |                      |    |
| City                                                                                                                                                                     | Greenwood  | State/Province | IN          | Country of Residence | US |

**Mailing Address of Inventor:**

|             |                    |                |    |  |                        |
|-------------|--------------------|----------------|----|--|------------------------|
| Address 1   | 1120 Falkirk Court |                |    |  |                        |
| Address 2   |                    |                |    |  |                        |
| City        | Greenwood          | State/Province | IN |  |                        |
| Postal Code | 46143              | Country        | US |  |                        |
| Inventor    | 6                  |                |    |  | <a href="#">Remove</a> |
| Legal Name  |                    |                |    |  |                        |

|                                                                                                                                                                          |             |                |             |                      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|-------------|----------------------|----|
| Prefix                                                                                                                                                                   | Given Name  | Middle Name    | Family Name | Suffix               |    |
|                                                                                                                                                                          | Raoul       |                | Labrie      |                      |    |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |             |                |             |                      |    |
| City                                                                                                                                                                     | Shelbyville | State/Province | IN          | Country of Residence | US |

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

**Mailing Address of Inventor:**

|                                                                                                                                                                          |                     |                        |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|-------------|
| Address 1                                                                                                                                                                | 2449 N. Richard Dr. |                        |             |
| Address 2                                                                                                                                                                |                     |                        |             |
| City                                                                                                                                                                     | Shelbyville         | State/Province         | IN          |
| Postal Code                                                                                                                                                              | 46176               | Country i              | US          |
| Inventor                                                                                                                                                                 | 7                   | <a href="#">Remove</a> |             |
| Legal Name                                                                                                                                                               |                     |                        |             |
| Prefix                                                                                                                                                                   | Given Name          | Middle Name            | Family Name |
|                                                                                                                                                                          | Alejandra           |                        | Lazarini    |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |                     |                        |             |
| City                                                                                                                                                                     | Carmel              | State/Province         | IN          |
|                                                                                                                                                                          |                     | Country of Residence i | US          |

**Mailing Address of Inventor:**

|                                                                                                                                                                          |               |                        |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------|-------------|
| Address 1                                                                                                                                                                | 568 Arbor Dr. |                        |             |
| Address 2                                                                                                                                                                |               |                        |             |
| City                                                                                                                                                                     | Carmel        | State/Province         | IN          |
| Postal Code                                                                                                                                                              | 46032         | Country i              | US          |
| Inventor                                                                                                                                                                 | 8             | <a href="#">Remove</a> |             |
| Legal Name                                                                                                                                                               |               |                        |             |
| Prefix                                                                                                                                                                   | Given Name    | Middle Name            | Family Name |
|                                                                                                                                                                          | Michael       | J.                     | Veros       |
| Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service |               |                        |             |
| City                                                                                                                                                                     | Carmel        | State/Province         | IN          |
|                                                                                                                                                                          |               | Country of Residence i | US          |

**Mailing Address of Inventor:**

|                                                                                                                                                                 |                    |                |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----|
| Address 1                                                                                                                                                       | 14595 Jason Street |                |    |
| Address 2                                                                                                                                                       |                    |                |    |
| City                                                                                                                                                            | Carmel             | State/Province | IN |
| Postal Code                                                                                                                                                     | 46033              | Country i      | US |
| All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the <b>Add</b> button. <a href="#">Add</a> |                    |                |    |

**Correspondence Information:**

|                                                                                                                                       |       |
|---------------------------------------------------------------------------------------------------------------------------------------|-------|
| Enter either Customer Number or complete the Correspondence Information section below.<br>For further information see 37 CFR 1.33(a). |       |
| <input type="checkbox"/> An Address is being provided for the correspondence Information of this application.                         |       |
| Customer Number                                                                                                                       | 79958 |

|                                           |                          |                        |                                                                                      |
|-------------------------------------------|--------------------------|------------------------|--------------------------------------------------------------------------------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US                                                                       |
|                                           |                          | Application Number     |                                                                                      |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                                                                                      |
| Email Address                             | inteas@faegrebd.com      |                        | <input type="button" value="Add Email"/> <input type="button" value="Remove Email"/> |

**Application Information:**

|                                         |                          |                                           |                          |
|-----------------------------------------|--------------------------|-------------------------------------------|--------------------------|
| Title of the Invention                  | VESSEL RINSING APPARATUS |                                           |                          |
| Attorney Docket Number                  | DFC-5558-01-US           | Small Entity Status Claimed               | <input type="checkbox"/> |
| Application Type                        | Nonprovisional           |                                           |                          |
| Subject Matter                          | Utility                  |                                           |                          |
| Total Number of Drawing Sheets (if any) | 12                       | Suggested Figure for Publication (if any) |                          |

**Filing By Reference:**

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

|                                                        |                          |                                            |
|--------------------------------------------------------|--------------------------|--------------------------------------------|
| Application number of the previously filed application | Filing date (YYYY-MM-DD) | Intellectual Property Authority or Country |
|                                                        |                          |                                            |

**Publication Information:**

|                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Request Early Publication (Fee required at time of Request 37 CFR 1.219)                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> <b>Request Not to Publish.</b> I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application <b>has not and will not be</b> the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing. |

**Representative Information:**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
| Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing. |       |  |  |
| Please Select One: <input checked="" type="radio"/> Customer Number <input type="radio"/> US Patent Practitioner <input type="radio"/> Limited Recognition (37 CFR 11.9)                                                                                                                                                                                                                                                                                        |       |  |  |
| Customer Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 79958 |  |  |

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

### Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

|                                                                                                                       |                      |                                       |                                    |
|-----------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------|------------------------------------|
| Prior Application Status                                                                                              | <input type="text"/> | <input type="button" value="Remove"/> |                                    |
| Application Number                                                                                                    | Continuity Type      | Prior Application Number              | Filing or 371(c) Date (YYYY-MM-DD) |
| <input type="text"/>                                                                                                  | <input type="text"/> |                                       |                                    |
| Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the <b>Add</b> button. |                      |                                       | <input type="button" value="Add"/> |

### Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)<sup>i</sup> the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

|                                                                                                        |                      |                          |                                          |
|--------------------------------------------------------------------------------------------------------|----------------------|--------------------------|------------------------------------------|
|                                                                                                        |                      |                          | <input type="button" value="Remove"/>    |
| Application Number                                                                                     | Country <sup>i</sup> | Filing Date (YYYY-MM-DD) | Access Code <sup>i</sup> (if applicable) |
| <input type="text"/>                                                                                   | <input type="text"/> | <input type="text"/>     |                                          |
| Additional Foreign Priority Data may be generated within this form by selecting the <b>Add</b> button. |                      |                          | <input type="button" value="Add"/>       |

### Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

## Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

**NOTE:** This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

### 1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

**A. Priority Document Exchange (PDX)** - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

**B. Search Results from U.S. Application to EPO** - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

### 2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

**NOTE:** Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

## Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------|
| <b>Applicant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                        | <a href="#">Remove</a>                                                 |
| <p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p> <p style="text-align: right;"><a href="#">Clear</a></p> |                                          |                                                                        |
| Assignee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Legal Representative under 35 U.S.C. 117 | Joint Inventor                                                         |
| <input type="radio"/> Person to whom the inventor is obligated to assign.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          | <input type="radio"/> Person who shows sufficient proprietary interest |
| If applicant is the legal representative, indicate the authority to file the patent application, the inventor is: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |                                                                        |
| Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                                                        |
| If the Applicant is an Organization check here. <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                                                                        |
| Organization Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Delta Faucet Company                     |                                                                        |
| <b>Mailing Address Information For Applicant:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                                        |
| Address 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 55 East 111th Street                     |                                                                        |
| Address 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |                                                                        |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Indianapolis                             | State/Province                                                         |
| Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US                                       | Postal Code                                                            |
| Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          | Fax Number                                                             |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                        |
| Additional Applicant Data may be generated within this form by selecting the Add button. <div style="float: right;"><a href="#">Add</a></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                        |

## Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

|                                           |                          |                        |                |
|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                      |                      |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|---------------------------------------|
| <b>Assignee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                    |                      |                      |                                       |
| Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication. |                      |                      |                      |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                      |                      | <input type="button" value="Remove"/> |
| If the Assignee or Non-Applicant Assignee is an Organization check here.                                                                                                                                                                                                                                                                                                                                                                               |                      |                      |                      | <input type="checkbox"/>              |
| Prefix                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Given Name           | Middle Name          | Family Name          | Suffix                                |
| <input type="text"/>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/>                  |
| <b>Mailing Address Information For Assignee including Non-Applicant Assignee:</b>                                                                                                                                                                                                                                                                                                                                                                      |                      |                      |                      |                                       |
| Address 1                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | <input type="text"/> |                      |                                       |
| Address 2                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      | <input type="text"/> |                      |                                       |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="text"/> | State/Province       | <input type="text"/> |                                       |
| Country <sup>i</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="text"/> | Postal Code          | <input type="text"/> |                                       |
| Phone Number                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="text"/> | Fax Number           | <input type="text"/> |                                       |
| Email Address                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="text"/> |                      |                      |                                       |
| Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.                                                                                                                                                                                                                                                                                                                                      |                      |                      |                      | <input type="button" value="Add"/>    |

**Signature:**

**NOTE:** This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

|                                                                                     |                       |           |                   |                                    |
|-------------------------------------------------------------------------------------|-----------------------|-----------|-------------------|------------------------------------|
| <b>Signature</b>                                                                    | /Douglas A. Yerkeson/ |           | Date (YYYY-MM-DD) | 2018-09-14                         |
| First Name                                                                          | Douglas A.            | Last Name | Yerkeson          | Registration Number                |
|                                                                                     |                       |           |                   | 39,882                             |
| Additional Signature may be generated within this form by selecting the Add button. |                       |           |                   | <input type="button" value="Add"/> |

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|-------------------------------------------|--------------------------|------------------------|----------------|
| <b>Application Data Sheet 37 CFR 1.76</b> |                          | Attorney Docket Number | DFC-5558-01-US |
|                                           |                          | Application Number     |                |
| Title of Invention                        | VESSEL RINSING APPARATUS |                        |                |

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1 The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
- 2 A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4 A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5 A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6 A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7 A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8 A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
- 9 A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

NON-PROVISIONAL PATENT APPLICATION

of

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Thad J. Eads

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and

Michael J. Veros

for

VESSEL RINSING APPARATUS

Attorney Docket DFC-5558-01-US  
(115-5558-U)

## VESSEL RINSING APPARATUS

### Background and Summary of the Disclosure

**[0001]** The present invention relates generally to a fluid dispensing system and, more particularly, to a vessel rinsing apparatus for use with fluid vessels or receptacles, such as cups or glasses.

**[0002]** The interior of glasses, cups, and other small vessels or containers are often difficult to clean by removing dirt and debris after use. Conventional bottle brushes, sponges, rags and other disposable materials are often used to clean such small vessels but may not be effective, for example, as being incapable of fitting inside the vessel, and do not provide water for rinsing. In addition, typical faucets lack directional pressurized water flow required to adequately remove dirt and debris from extremities within the interiors of small vessels.

**[0003]** There remains a need for a vessel rinsing apparatus capable of being installed in a standard countertop opening, or integrated as part of a faucet escutcheon, which allows for the cleaning of small vessels, such as glasses and cups.

**[0004]** According to an illustrative embodiment of the present disclosure, a vessel rising apparatus includes a mounting base having an upper coupler and a downwardly extending mounting shank defining an opening extending along a longitudinal axis. The upper coupler is configured to be supported above an upper surface of a mounting deck, and the mounting shank is configured to extend through a mounting aperture formed within the mounting deck. A fluid discharge member includes a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body. The central body is received with the opening of the mounting shank and is moveable along the longitudinal axis. A valve shaft is operably coupled to the fluid discharge member and is configured to move with the trigger to control water flow through the central body to the plurality of nozzles. An escutcheon is supported by the upper coupler of the mounting base and includes an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall. The drain channel is configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck.

**[0005]** According to another illustrative embodiment of the present disclosure, a vessel rinsing apparatus includes a mounting base having a downwardly extending mounting shank defining an opening extending along a longitudinal axis. The mounting shank is configured to extend through a mounting aperture formed within a mounting deck. A fluid discharge member includes a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body. The central body is received within the opening of the mounting shank and is moveable along the longitudinal axis. A valve shaft is operably coupled to the fluid discharge member and is configured to move with the trigger to control water flow through the central body to the plurality of nozzles. A removable plate is supported by the trigger of the fluid discharge member. The removable plate includes one of a strainer having a base and a plurality circumferentially spaced drain openings, and an elastomeric brush having a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

**[0006]** According to further illustrative embodiment of the present disclosure, a vessel rinsing apparatus includes a mounting base having an upper plate and a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the upper plate configured to be supported above an upper surface of the mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck. A fluid discharge member includes a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body. The central body is received within the opening of the mounting shank and is moveable along the longitudinal axis. A valve shaft is operably coupled to the fluid discharge member and is configured to move with the trigger to control water flow through the central body to the plurality of nozzles. An escutcheon is supported by the mounting base and includes an upwardly extending wall and a drain channel extending through the upwardly extended wall, wherein the upper plate of the mounting face and the upwardly extending wall of the escutcheon define a drain bowl. The drain channel is configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck. A removable plate is supported by the trigger of the fluid discharge member.

**[0007]** Additional features and advantages of the present invention will become apparent to those skilled in the art upon consideration of the following detailed description of the

illustrative embodiment exemplifying the best mode of carrying out the invention as presently perceived.

#### Brief Description of the Drawings

**[0008]** The detailed description of the drawings particularly refers to the accompanying figures in which:

**[0009]** FIG. 1 is a perspective view of an illustrative vessel rinsing apparatus mounted to a sink deck and fluidly coupled to a faucet;

**[0010]** FIG. 2 is a perspective view of the vessel rinsing apparatus of FIG. 1;

**[0011]** FIG. 3 is a top exploded perspective view of the vessel rinsing apparatus of FIG. 2;

**[0012]** FIG. 4 is a bottom exploded perspective view of the vessel rinsing apparatus of FIG. 2;

**[0013]** FIG. 5 is a cross-sectional view of the vessel rinsing apparatus taken along line 5-5 of FIG. 2, showing the discharge member in a closed position and a vessel shown in phantom;

**[0014]** FIG. 6 is a cross-sectional view of the vessel rinsing apparatus similar to FIG. 5, showing the discharge member in an open position and a vessel shown in phantom;

**[0015]** FIG. 7 is a perspective view of a first removable plate of the vessel rinsing apparatus of FIG. 2 in the form of a strainer;

**[0016]** FIG. 8 is a perspective view of a second removable plate of the vessel rinsing apparatus of FIG. 2 in the form of a cleaning brush, with a plurality of first cleaning projections;

**[0017]** FIG. 9 is a perspective view of a third removable plate of the vessel rinsing apparatus of FIG. 2 in the form of a cleaning brush, with a plurality of second cleaning projections;

**[0018]** FIG. 10 is a perspective view of a fluid discharge member of the vessel rinsing apparatus of FIG. 2;

**[0019]** FIG. 11 is a perspective view of a valve shaft of the vessel rinsing apparatus of FIG. 2;

**[0020]** FIG. 12 is a cross-sectional view of the vessel rinsing apparatus taken along line 12-12 of FIG. 1, showing the drain channel in fluid communication with a sink basin;

**[0021]** FIG. 13 is a perspective view of another illustrative embodiment vessel rinsing apparatus; and

**[0022]** FIG. 14 is a cross-sectional view similar to FIG. 5 of a further illustrative embodiment vessel rinsing apparatus.

#### Detailed Description of the Drawings

**[0023]** For the purposes of promoting an understanding of the principles of the present disclosure, reference will now be made to the embodiments illustrated in the drawings, which are described herein. The embodiments disclosed herein are not intended to be exhaustive or to limit the invention to the precise form disclosed. Rather, the embodiments are chosen and described so that others skilled in the art may utilize their teachings. Therefore, no limitation of the scope of the claimed invention is thereby intended. The present invention includes any alterations and further modifications of the illustrated devices and described methods and further applications of principles in the invention which would normally occur to one skilled in the art to which the invention relates.

**[0024]** With reference initially to FIGS. 1 and 2, an illustrative vessel rinsing apparatus 10 is shown supported by a conventional mounting deck, such as a sink deck 12 supporting a sink basin 14. A faucet 16 may be supported by the sink deck 12 for discharging water from a water outlet 18 into the sink basin 14. The faucet 16 may be of conventional design, including a delivery spout 20 defining the water outlet 18, and a manual mixing valve 22 for controlling water flow from a hot water supply 24 and a cold water supply 26 to the water outlet 18. The mixing valve 22 includes a valve handle 28 to control the flow rate and the temperature of water delivered to the water outlet 18. A hot water supply tube 30 may fluidly couple the hot water supply 24 to a first inlet of the mixing valve 22, and a cold water supply tube 32 may fluidly couple the cold water supply 26 to a second inlet of the mixing valve 22. A mixed water outlet tube 34 may fluidly couple an outlet of the mixing valve 22 a diverter valve 36.

**[0025]** The diverter valve 36 illustratively controls (e.g., toggles) water flow between the outlet 18 of the delivery spout 20 and the vessel rinsing apparatus 10. An illustrative diverter valve 36 is detailed in U.S. Patent 8,646,476, the disclosure of which is expressly incorporated by herein by reference. A spout outlet tube 38 fluidly couples the diverter valve 36 to the outlet 18, while a dispenser tube 40 fluidly couples the diverter valve 36 to the vessel rinsing apparatus

10. As such, the mixing valve 22 may be manipulated by the handle 28 to control the temperature and flow rate of water delivered to the active outlet(s) selected by the diverter valve 36 (e.g., the delivery spout outlet 18 and the glass rinsing apparatus 10). The various water tubes 30, 32, 34, 38 and 40 may be formed of a flexible polymer, such as a cross-linked polyethylene (PEX).

**[0026]** An escutcheon 42 may be positioned intermediate the sink deck 12 and the delivery spout 20. A plurality of mounting apertures 44 may extend within the sink deck 12, wherein at least some of the apertures 44a, 44b may be used to couple the faucet 16 to the sink deck 12. In the illustrative embodiment, the glass rinsing apparatus 10 is fixed to the mounting aperture 44c that would conventionally support a kitchen side sprayer (not shown) adjacent the sink basin 14. Such positioning facilitates draining of the vessel rinsing apparatus 10 into the sink basin 14.

**[0027]** With reference to FIGS. 2-4, the illustrative vessel rinsing apparatus 10 includes a mounting base 46 configured to be coupled to the sink deck 12. An escutcheon 48 illustratively cooperates with the mounting base 46 to define a contoured drain receptacle or bowl 52 for the collection and disposal of debris and wastewater. A fluid discharge member 54 is operably coupled to the mounting base 46 and to a valve member 56. A trigger plate 58 is supported by the fluid discharge member 54 and is configured to be engaged by a vessel 60 (e.g., a cup, glass or other container) for activating water flow through the fluid discharge member 54 and into an interior 62 of the vessel 60 (FIGS. 5 and 6).

**[0028]** The mounting base 46 illustratively includes an upper coupler, such as an upper plate 64, and a downwardly extending mounting shank 66 defining an opening 67 extending along a longitudinal axis 68. The upper plate 64 is configured to be supported above an upper surface 69 of the sink deck 12 and illustratively comprises a disk 70 having a circular peripheral edge 71. The mounting shank 66 is configured to extend through one of the mounting apertures 44c formed within the sink deck 12 and below a lower surface 72 of the sink deck 12. The mounting shank 66 illustratively includes a stepped cylindrical tube 73 having upper external threads 74 configured to threadably couple with a mounting nut 75 for securing the mounting base 46 to the sink deck 12 (FIG. 1). Illustratively, the dispenser tube 40 is fluidly coupled to the mounting shank 66 to provide water from a water supply (illustratively via the mixing valve 22 through the diverter valve 36). More particularly, the cylindrical tube 73 of the mounting shank

66 illustratively includes lower external threads 76 configured to engage with a fitting 78 to fluidly couple the dispenser tube 40 to the mounting shank 66 (FIG. 1).

**[0029]** With reference to FIGS. 3-6, the fluid discharge member 54 cooperates with the mounting base 50 to deliver water from the dispenser tube 40. The fluid discharge member 54 illustratively includes a central body 80 defining a fluid passageway 82 and having a sprayface 83 supporting a plurality of nozzles 84 in fluid communication with the fluid passageway 82. More particularly, the nozzles 84 may include a center nozzle 84a and a plurality of peripheral nozzles 84b, 84c, 84d, 84e positioned radially outward from the center nozzle 84a. It should be appreciated that the number and placement of the nozzles 84 may vary.

**[0030]** In one illustrative embodiment, the nozzles 84 may be oriented to direct water in different desired positions within an interior 86 of the vessel 60, as represented by arrows 85 in FIG. 6. For example, the center nozzle 84a may be configured to discharge water upwardly parallel to the longitudinal axis 68. Illustratively, a first peripheral nozzle 84b may be oriented at a first angle from the longitudinal axis 68 for directing water to a distal corner of a mug, a second peripheral nozzle 84c may be oriented at a second angle from the longitudinal axis 68 for directing water to a distal corner of a highball glass, a third peripheral nozzle 84d may be oriented at a third angle from the longitudinal axis 68 for directing water to a distal corner of a tumbler or pint glass, and a fourth peripheral nozzle 84e may be oriented at a fourth angle from the longitudinal axis 68 for directing water to a distal portion of a wine glass.

**[0031]** The central body 80 of the fluid discharge member 54 is slideably received within the opening 67 of the mounting shank 66 such that it is moveable along the longitudinal axis 68. More particularly, the fluid discharge member 54 is configured to move along the longitudinal axis 68 between a raised (or rest) position (FIG. 5), and a lowered (or active) position (FIG. 6). A spring 87 may cooperate with the mounting base 46 to bias the discharge member 54 to the upper position. The fluid discharge member 54 may be restrained from rotating relative to the mounting base 50. Illustratively, the central body 80 has an elongated cross section (e.g. oval) thereby preventing rotation within the opening 67. Other rotatable couplers, such as a key received within a keyway, may be substituted therefor.

**[0032]** A trigger 88 extends outwardly from the central body 80. The trigger 88 illustratively includes a plurality of radially outwardly extending arms or posts 90, each having a first end 92 supported by the central body 80 and a freely supported second end 94.

**[0033]** The valve member 56 illustratively comprises a valve pin or shaft 96 operably coupled to the fluid discharge member 54 (e.g., via a threaded coupling 97), and is configured to move with the trigger 88 to control water flow through the central body 80 to the plurality of nozzles 84. More particularly, the valve shaft 96 illustratively includes a hollow body 98 defining a fluid passageway 102 in fluid communication with the fluid passageway 82 of the central body 80 via radial openings 104. Upper and lower o-rings 106 and 108 are positioned above and below openings 104, respectively. The valve member 56 may be a separate component from the fluid discharge member 54, or formed integral therewith.

**[0034]** In the raised position as shown in FIG. 5, the valve shaft 96 blocks water flow from the fluid source (e.g., the mixing valve 22) to the nozzles 84. More particularly, the o-ring 108 seals against a valve seat 109 to prevent water flow from opening 67 to the fluid passageway 102. In the lowered position as shown in FIG. 6, the valve shaft 96 provides fluid communication between the fluid source and the nozzles 84. More particularly, a passageway 110 between the o-ring 108 and the valve seat 109 permits water flow therethrough from opening 67 to fluid passageway 102 through openings 104, and through the fluid passageway 82 to the nozzles 84.

**[0035]** The escutcheon 48 is supported by the mounting base 50 and illustratively includes an upwardly extending wall 114 and a drain channel 116 extending through the upwardly extending wall 114. As shown in FIGS. 1 and 12, the drain channel 116 is configured to provide fluid communication between the drain bowl 52 and the sink basin 14 supported by the sink deck 12. The upper plate 64 of the mounting base 50 and the upwardly extending wall 114 of the escutcheon 42 illustratively define the drain bowl 52. An o-ring 118 is illustratively supported by the peripheral edge 71 of the upper plate 64 to releasably retain the escutcheon 48 to the mounting base 50. As such, the escutcheon 48 may be exchanged with other escutcheons with different aesthetic shapes, finishes and/or drain channel 116 dimensions.

**[0036]** The drain channel 116 illustratively includes a lower wall 122 and opposing side walls 124 and 126. A lip 127 and an associated undercut 128 formed in a lower surface of the lower wall 122 prevents wastewater flowing through the drain channel 116 from running back toward the rear wall 129 of the sink basin 14. More particularly, the undercut 128 cooperates with the lip 127 to direct water downward.

**[0037]** In an illustrative embodiment, the trigger plate 58 is removably supported by the trigger 88 of the fluid discharge member 54 above the drain bowl 52. More particularly, the removeable trigger plate 58 is illustratively supported by the arms 90 of the trigger 88.

Illustratively, a retaining ring 130 concentrically receives and frictionally engages the body 80 to releasably secure the trigger plate 58 to the fluid discharge member 54. The removable trigger plates 58 can be cleaned, replaced and/or exchanged with other trigger plates 58 that may have different cleaning benefits (e.g., characteristics of a brush or sponge).

**[0038]** Anti-rotation members may be configured to prevent rotation of the removeable trigger plate 58 about the longitudinal axis 68 relative to the fluid discharge member 54. The anti-rotation members may comprise a recess 132 supported by the fluid discharge member, and cooperating tabs 134 supported by the removeable trigger plate 58.

**[0039]** With reference to FIG. 7, a first removeable trigger plate 58a may comprise a strainer 136 including a base 138 and a plurality of circumferentially spaced drain openings 140 arranged in a plurality of radially spaced rows. As a rim 142 of the glass 60 contacts the upper surface 144 of the strainer 136, a lower surface 146 of the strainer 136 engages the trigger 88 (FIGS. 5 and 6).

**[0040]** As shown in FIG. 8, a second removeable trigger plate 58b may comprise an elastomeric brush 148 including a plurality of upwardly extending projections or pegs 150 and a plurality of drain openings 152 positioned intermediate adjacent cleaning projections 150. The rim 142 of the glass 60 is configured to be received between adjacent cleaning projections 150 to assist in cleaning the inner and outer surfaces of the rim 142.

**[0041]** As shown in FIG. 9, a third removable trigger plate 58c may comprise an elastomeric brush 154 similar to that shown in FIG. 8. More particularly, the brush 154 includes a plurality of upwardly extending projections or bristles 156 and a plurality of drain openings 158 positioned intermediate adjacent cleaning projections 156.

**[0042]** A further illustrative embodiment vessel rinsing apparatus 210 is shown in FIG. 13 as including many of the same elements as the vessel rinsing apparatus 10 detailed above. As such, in the following description, like components are identified with similar reference numbers. The drain channel 216 of the vessel rinsing apparatus 210 includes a movable tray 218 supported by the upper wall 214 of the escutcheon 242. More particularly, the movable tray 218 includes opposing side walls 244, 245 supported by a lower wall 248. The side walls 244, 245

are slidably received within the upper wall 214 of the escutcheon 242, and the lower wall 248 is slidably received within the upper plate 264 of the mounting base 246. As such, the relative position of the drain channel 216 may be adjusted (as shown by arrows 266) to facilitate wastewater discharge into the sink basin 14. More particularly, the removable tray 218 accommodates different dimensions between the mounting aperture 44c and the sink basin 14.

**[0043]** Another illustrative embodiment vessel rinsing apparatus 310 is shown in FIG. 14 as including many of the same elements as the vessel rinsing apparatus 10 detailed above. As such, in the following description, like components are identified with similar reference numbers. The vessel rinsing apparatus 310 includes a mounting base 346 including a mounting shank 366 and an upper coupler 364. The escutcheon 348 illustratively includes a lower wall 362 and an upwardly extending wall 314 defining the drain bowl 52.

**[0044]** Although the invention has been described in detail with reference to certain preferred embodiments, variations and modifications exist within the spirit and scope of the invention as described and defined in the following claims.

CLAIMS:

1. A vessel rinsing apparatus comprising:
  - a mounting base including an upper coupler and a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the upper coupler configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;
  - a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;
  - a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles; and
  - an escutcheon supported by the upper coupler of the mounting base and including an upwardly extending wall defining a drain bowl, and a drain channel extending through the upwardly extending wall, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck.
2. The vessel rinsing apparatus of claim 1, further comprising a removable plate supported by the trigger of the fluid discharge member.
3. The vessel rinsing apparatus of claim 2, wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.
4. The vessel rinsing apparatus of claim 2, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

5. The vessel rinsing apparatus of claim 4, wherein the fluid discharge member is restrained from rotating relative to the mounting base.
6. The vessel rinsing apparatus of claim 1, wherein the upper coupler of the mounting base includes an upper plate, the upper plate and the upwardly extending wall of the escutcheon defining the drain bowl.
7. The vessel rinsing apparatus of claim 6, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.
8. The vessel rinsing apparatus of claim 1, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.
9. The vessel rinsing apparatus of claim 1, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.
10. The vessel rinsing apparatus of claim 1, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.
11. The vessel rinsing apparatus of claim 1, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

12. A vessel rinsing apparatus comprising:

- a mounting base including a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the mounting shank configured to extend through a mounting aperture formed within a mounting deck;
- a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;
- a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles; and
- a removable plate supported by the trigger of the fluid discharge member;

wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

13. The vessel rinsing apparatus of claim 12, wherein the mounting base further includes an upper coupler configured to be supported above an upper surface of a mounting deck, the escutcheon being supported by the upper coupler of the mounting base.

14. The vessel rinsing apparatus of claim 12, further comprising an escutcheon supported by the mounting base and including an upwardly extending wall and a drain channel extending through the upwardly extending wall, wherein the upper plate of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck.

15. The vessel rinsing apparatus of claim 14, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.

16. The vessel rinsing apparatus of claim 14, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

17. The vessel rinsing apparatus of claim 14, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.

18. The vessel rinsing apparatus of claim 12, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

19. The vessel rinsing apparatus of claim 18, wherein the fluid discharge member is restrained from rotating relative to the mounting base.

20. The vessel rinsing apparatus of claim 12, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

21. The vessel rinsing apparatus of claim 12, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

22. A vessel rinsing apparatus comprising:

a mounting base including an upper plate and a downwardly extending mounting shank defining an opening extending along a longitudinal axis, the upper plate configured to be supported above an upper surface of a mounting deck, and the mounting shank configured to extend through a mounting aperture formed within the mounting deck;

a fluid discharge member including a central body supporting a plurality of nozzles and a trigger extending outwardly from the central body, the central body received within the opening of the mounting shank and movable along the longitudinal axis;

a valve shaft operably coupled to the fluid discharge member and configured to move with the trigger to control water flow through the central body to the plurality of nozzles;

an escutcheon supported by the mounting base and including an upwardly extending wall and a drain channel extending through the upwardly extending wall, wherein the upper plate of the mounting base and the upwardly extending wall of the escutcheon define a drain bowl, the drain channel configured to provide fluid communication between the drain bowl and a sink basin supported by the mounting deck; and

a removable plate supported by the trigger of the fluid discharge member.

23. The vessel rinsing apparatus of claim 22, wherein the removable plate comprises one of a strainer including a base and a plurality of circumferentially spaced drain openings, and an elastomeric brush including a plurality of upwardly extending cleaning projections and a plurality of drain openings positioned intermediate adjacent ones of the cleaning projections.

24. The vessel rinsing apparatus of claim 23, further comprising an o-ring supported by the upper plate of the mounting base and engaging the escutcheon.

25. The vessel rinsing apparatus of claim 22, wherein the drain channel includes a lower wall having an undercut to prevent water from running back along a rear wall of the sink basin.

26. The vessel rinsing apparatus of claim 22, wherein the escutcheon includes a moveable tray defining the drain channel, such that the length of the drain channel is adjustable.

27. The vessel rinsing apparatus of claim 22, further comprising anti-rotation members supported by the fluid discharge member and the removable plate, the anti-rotation members configured to prevent rotation of the removable plate about the longitudinal axis relative to the fluid discharge member.

28. The vessel rinsing apparatus of claim 27, wherein the fluid discharge member is restrained from rotating relative to the mounting base.

29. The vessel rinsing apparatus of claim 22, wherein the trigger of the fluid discharge member includes a plurality of arms extending radially outwardly from the central body of the fluid discharge member.

30. The vessel rinsing apparatus of claim 22, wherein the fluid discharge member is fluidly coupled to an outlet of a faucet mixing valve.

Abstract of the Disclosure

A vessel rinsing apparatus including a mounting base, a fluid discharge member including a plurality of nozzles, a valve member operably coupled to the fluid discharge member and configured to control water flow through the nozzles, and an escutcheon supported by the mounting base.

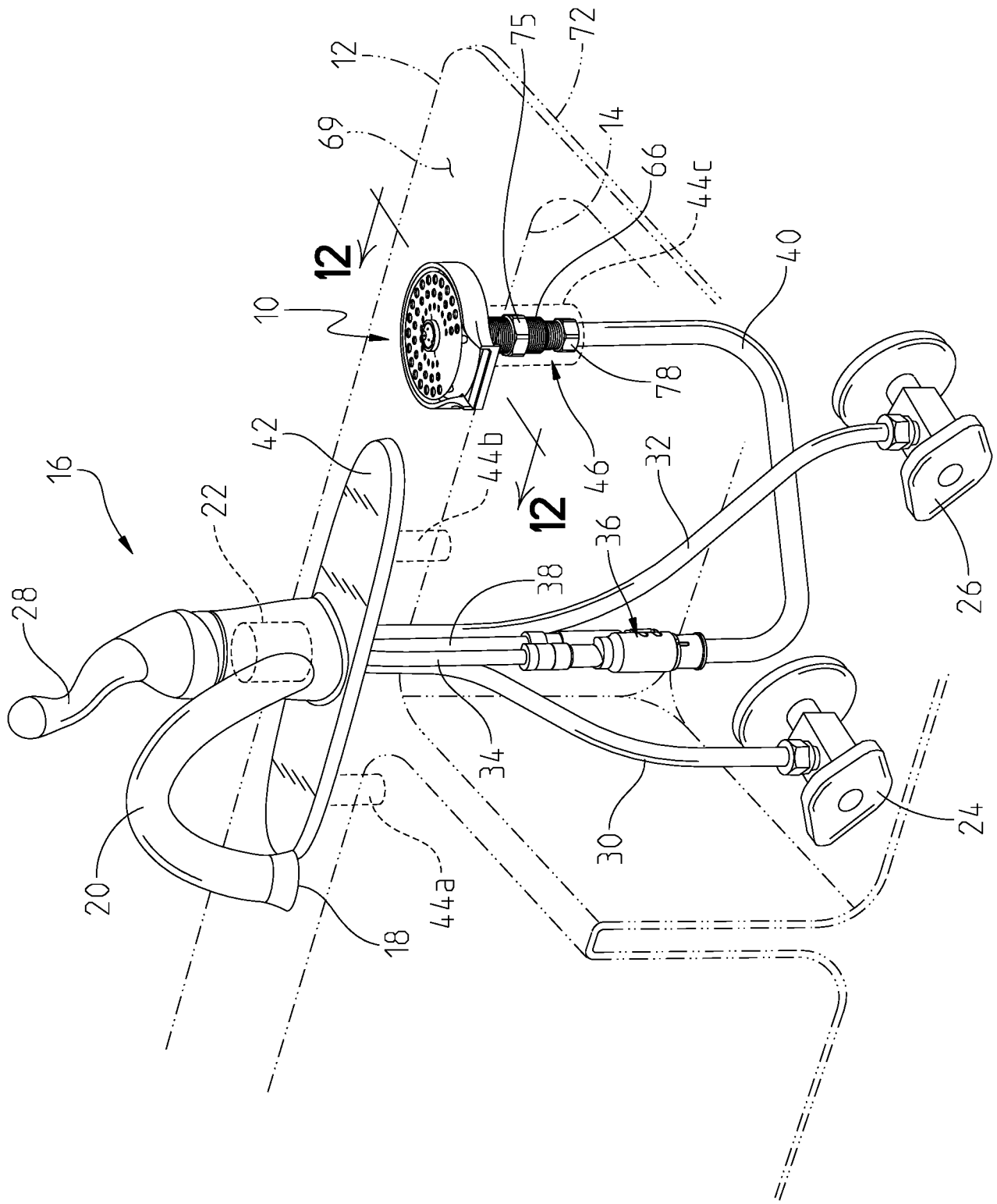


Fig. 1

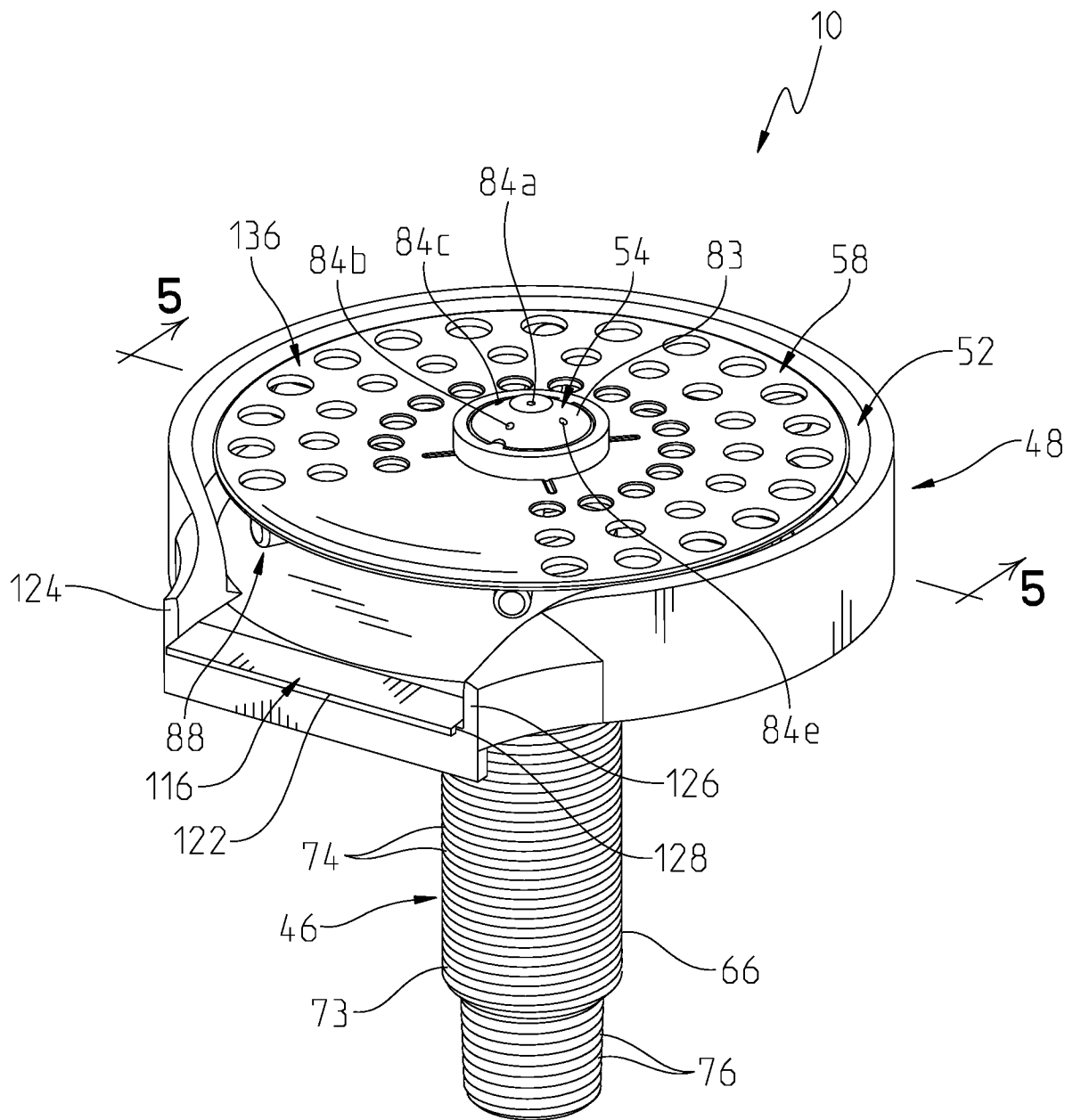
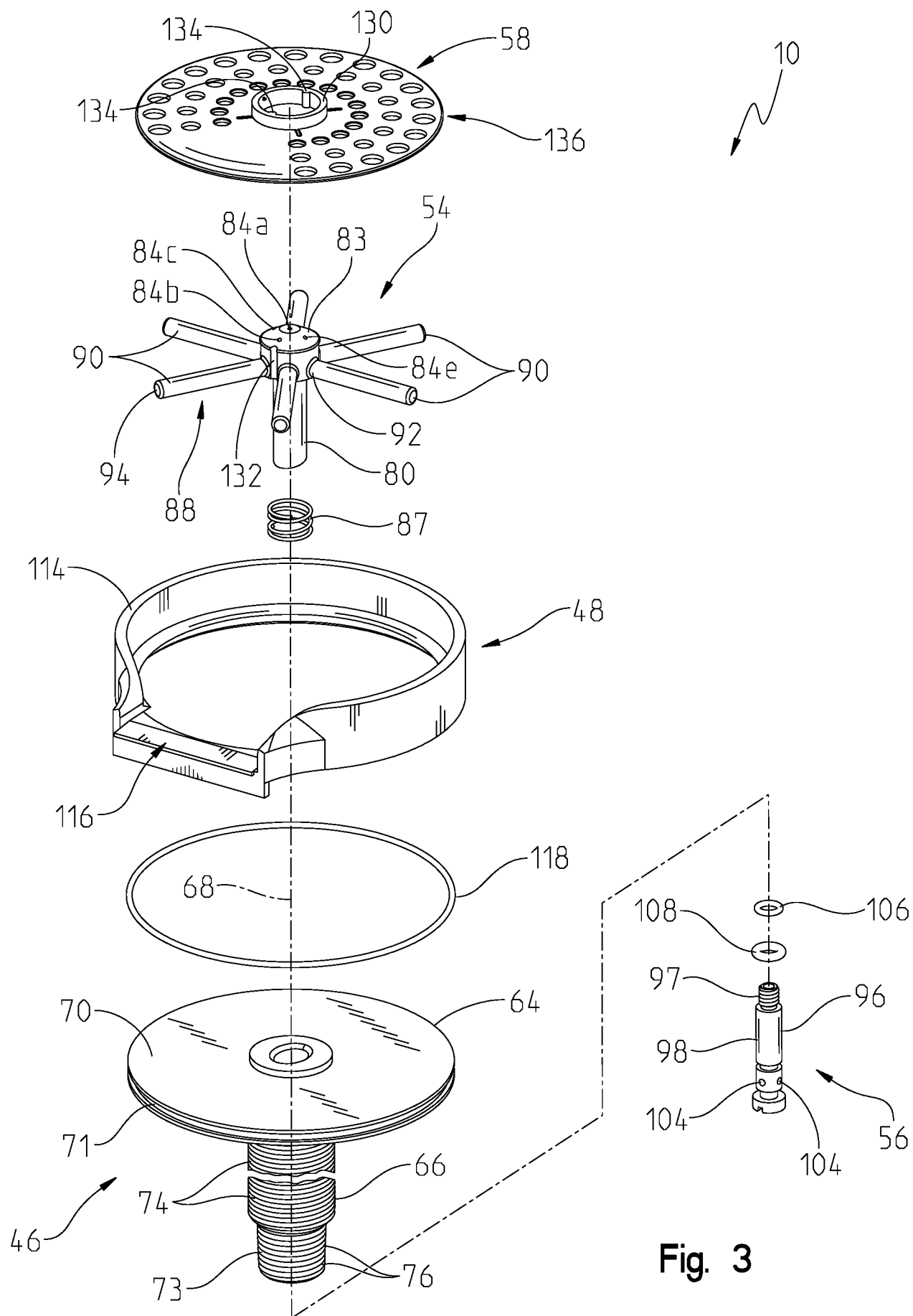


Fig. 2



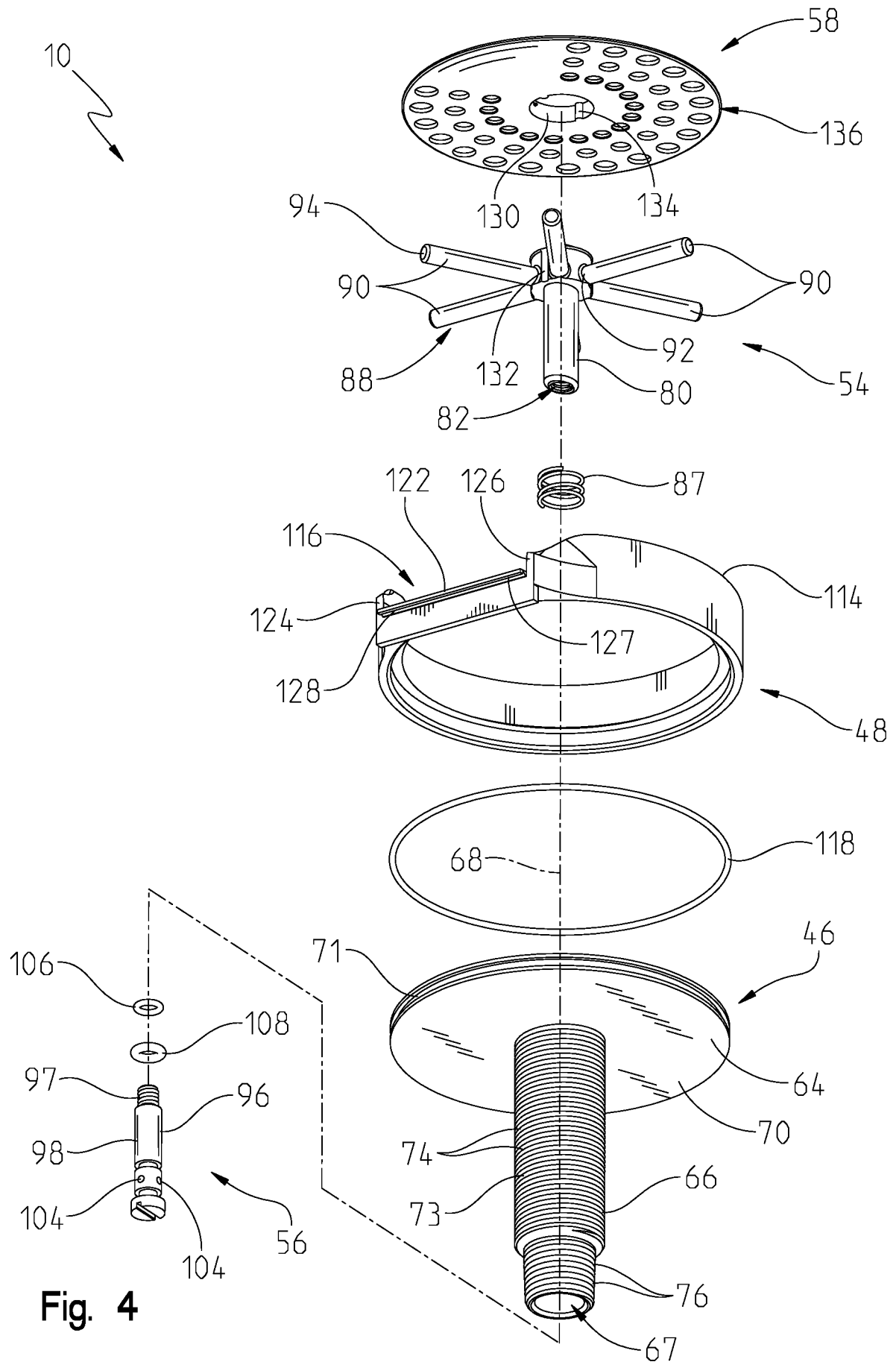


**Fig. 4**





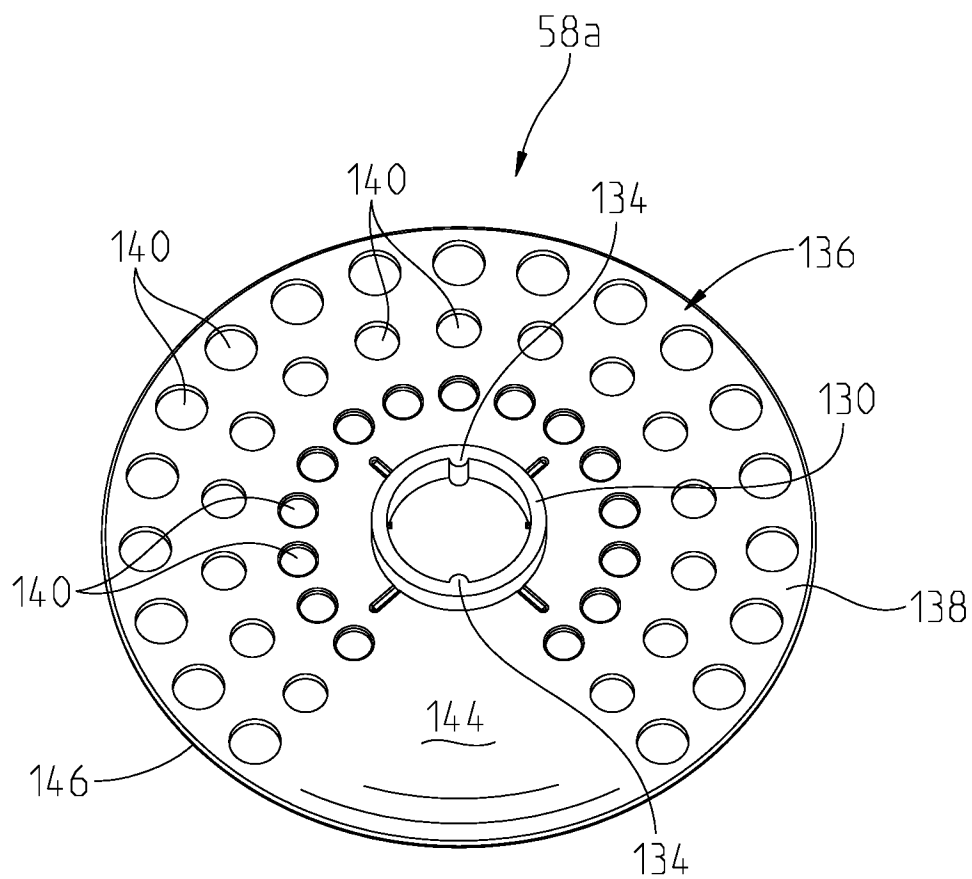


**Fig. 7**

**Fig. 8**

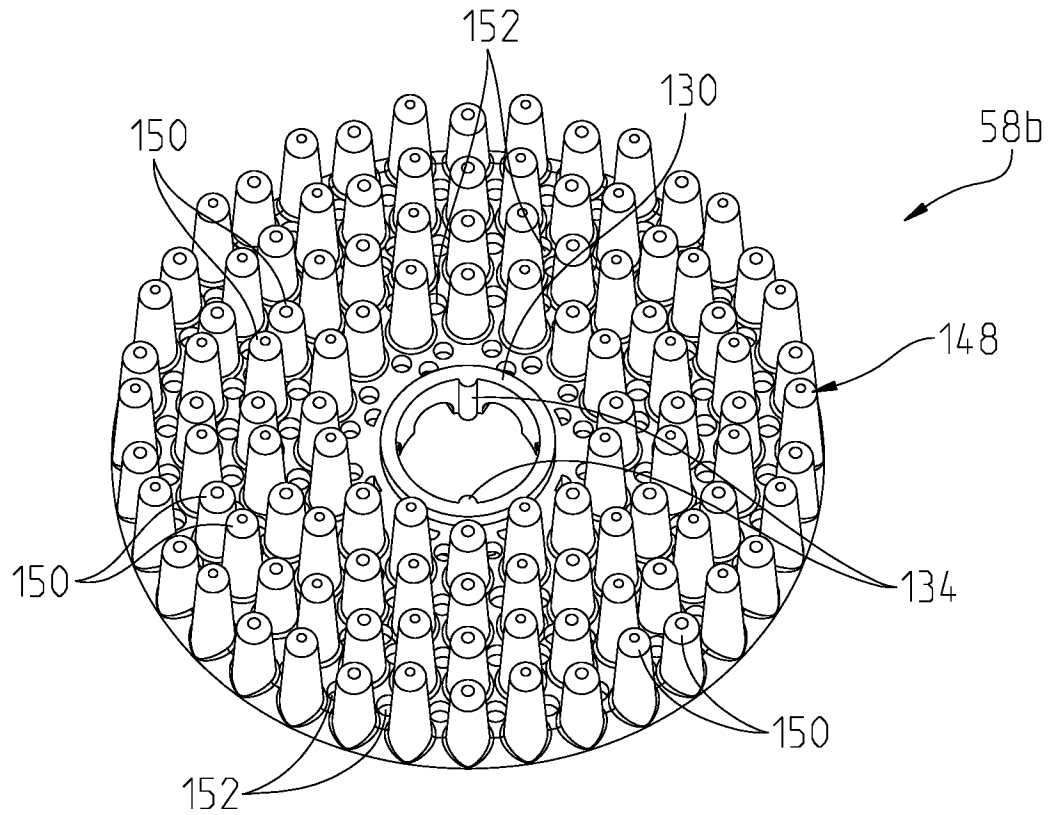
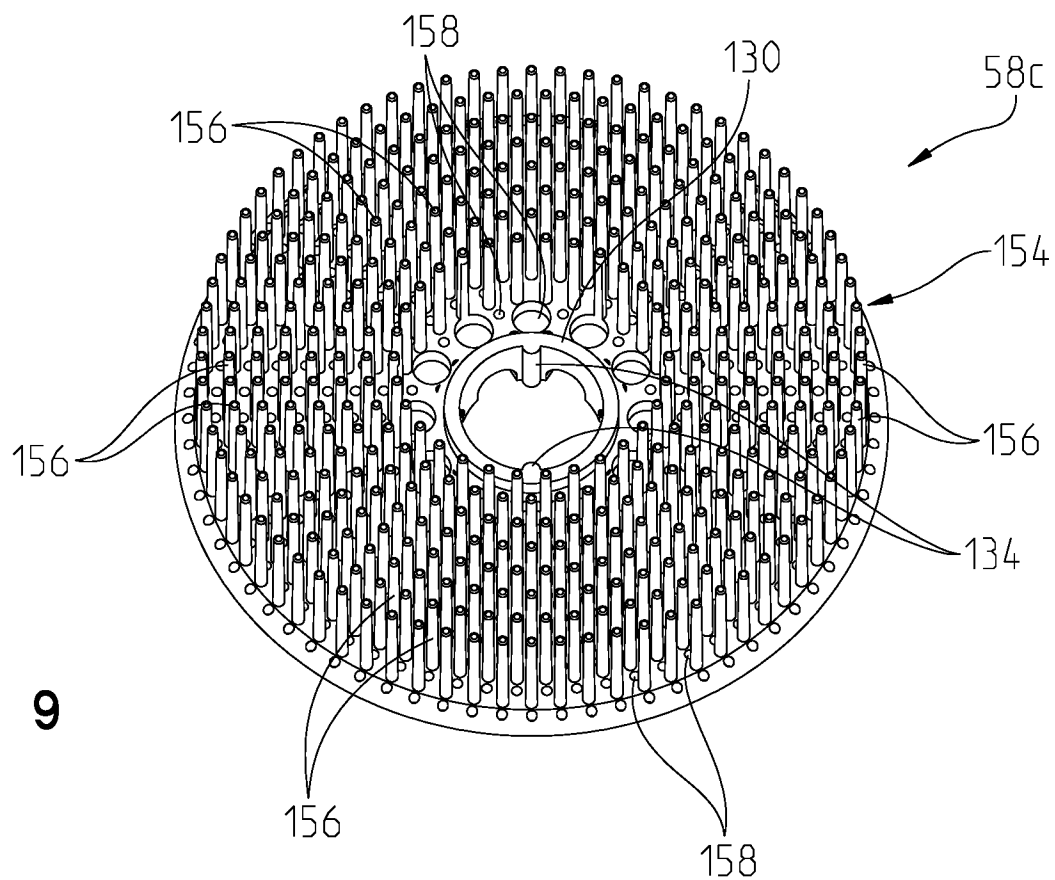


**Fig. 9**



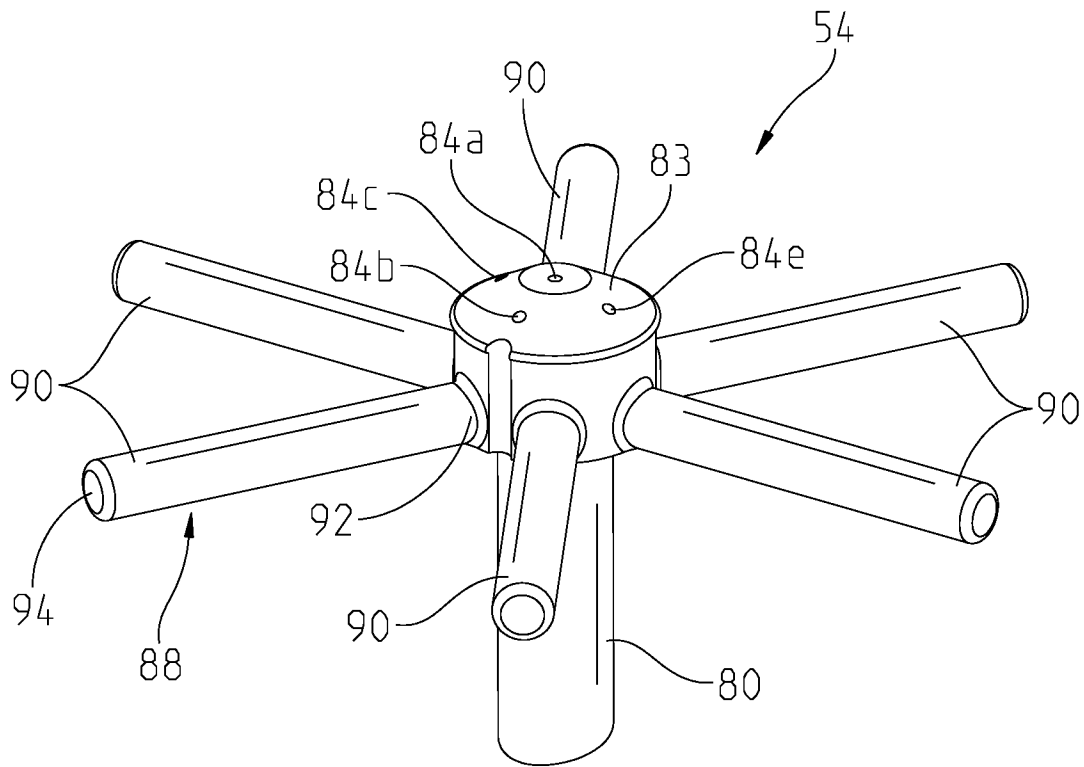


**Fig. 10**

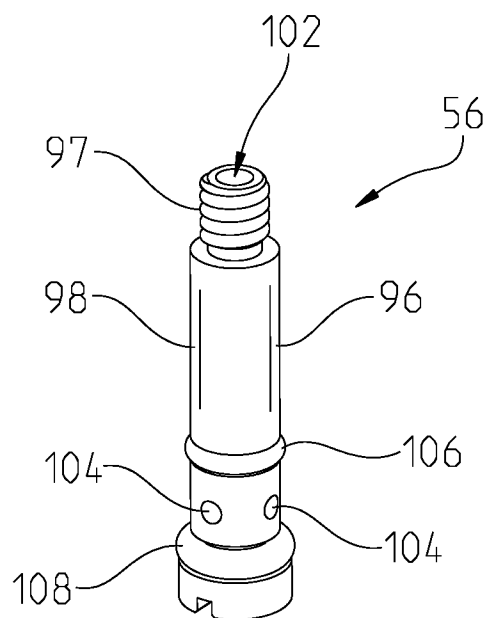
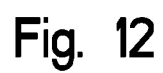


**Fig. 11**



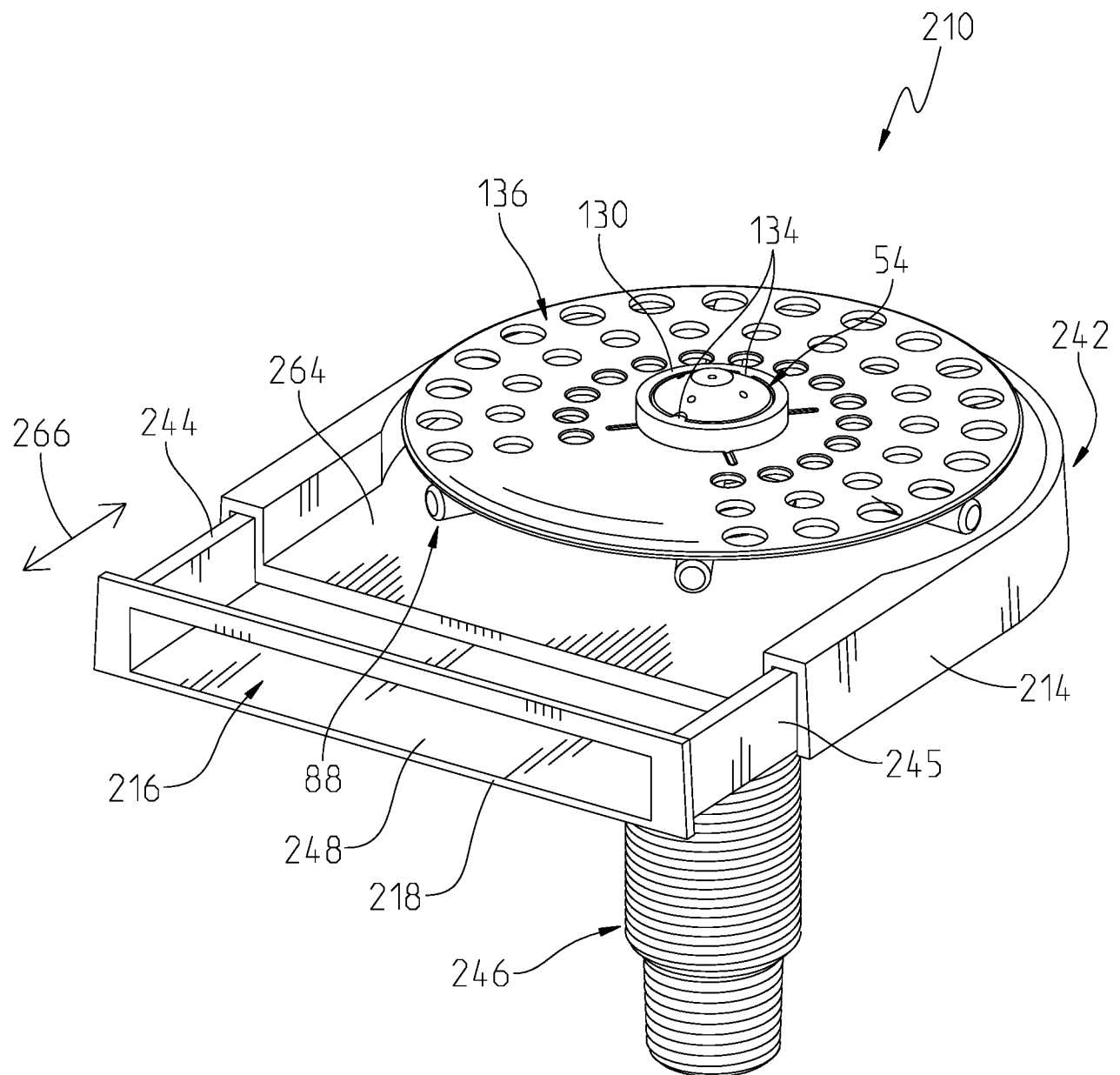


**Fig. 13**

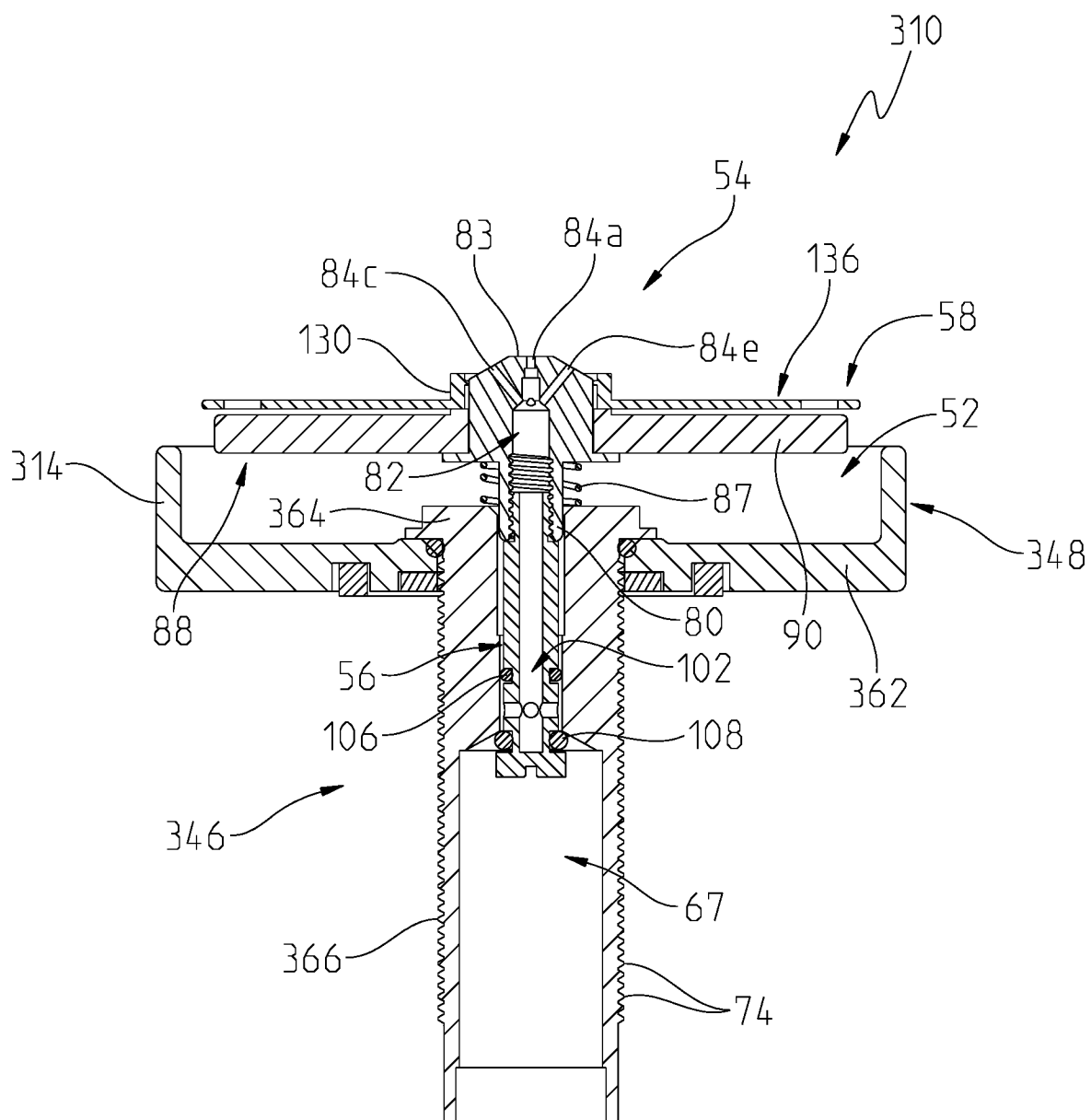


Fig. 14

## Electronic Patent Application Fee Transmittal

|                                                    |                                      |                 |               |                             |
|----------------------------------------------------|--------------------------------------|-----------------|---------------|-----------------------------|
| <b>Application Number:</b>                         |                                      |                 |               |                             |
| <b>Filing Date:</b>                                |                                      |                 |               |                             |
| <b>Title of Invention:</b>                         | VESSEL RINSING APPARATUS             |                 |               |                             |
| <b>First Named Inventor/Applicant Name:</b>        | Mark Cipriani                        |                 |               |                             |
| <b>Filer:</b>                                      | Douglas Alan Yerkeson/kim richardson |                 |               |                             |
| <b>Attorney Docket Number:</b>                     | DFC-5558-01-US                       |                 |               |                             |
| Filed as Large Entity                              |                                      |                 |               |                             |
| <b>Filing Fees for Utility under 35 USC 111(a)</b> |                                      |                 |               |                             |
| <b>Description</b>                                 | <b>Fee Code</b>                      | <b>Quantity</b> | <b>Amount</b> | <b>Sub-Total in USD(\$)</b> |
| <b>Basic Filing:</b>                               |                                      |                 |               |                             |
| UTILITY APPLICATION FILING                         | 1011                                 | 1               | 300           | 300                         |
| UTILITY SEARCH FEE                                 | 1111                                 | 1               | 660           | 660                         |
| UTILITY EXAMINATION FEE                            | 1311                                 | 1               | 760           | 760                         |
| <b>Pages:</b>                                      |                                      |                 |               |                             |
| <b>Claims:</b>                                     |                                      |                 |               |                             |
| CLAIMS IN EXCESS OF 20                             | 1202                                 | 10              | 100           | 1000                        |
| <b>Miscellaneous-Filing:</b>                       |                                      |                 |               |                             |
| LATE FILING FEE FOR OATH OR DECLARATION            | 1051                                 | 1               | 160           | 160                         |

| Description                              | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|------------------------------------------|----------|----------|--------|----------------------|
| <b>Petition:</b>                         |          |          |        |                      |
| <b>Patent-Appeals-and-Interference:</b>  |          |          |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b> |          |          |        |                      |
| <b>Extension-of-Time:</b>                |          |          |        |                      |
| <b>Miscellaneous:</b>                    |          |          |        |                      |
| <b>Total in USD (\$)</b>                 |          |          |        | <b>2880</b>          |

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| <b>EFS ID:</b>                              | 33719683                             |
| <b>Application Number:</b>                  | 16131035                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 4854                                 |
| <b>Title of Invention:</b>                  | VESSEL RINSING APPARATUS             |
| <b>First Named Inventor/Applicant Name:</b> | Mark Cipriani                        |
| <b>Customer Number:</b>                     | 79958                                |
| <b>Filer:</b>                               | Douglas Alan Yerkeson/kim richardson |
| <b>Filer Authorized By:</b>                 | Douglas Alan Yerkeson                |
| <b>Attorney Docket Number:</b>              | DFC-5558-01-US                       |
| <b>Receipt Date:</b>                        | 14-SEP-2018                          |
| <b>Filing Date:</b>                         |                                      |
| <b>Time Stamp:</b>                          | 02:41:46                             |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)          |

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| Authorized User                          | Kim Richardson        |

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37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)  
37 CFR 1.21 (Miscellaneous fees and charges)

## File Listing:

| Document Number              | Document Description                                | File Name                                               | File Size(Bytes)/ Message Digest         | Multi Part /.zip | Pages (if appl.) |
|------------------------------|-----------------------------------------------------|---------------------------------------------------------|------------------------------------------|------------------|------------------|
| 1                            | Application Data Sheet                              | 20180914_DFC-5558-01-US_ADS.pdf                         | 1256468                                  | no               | 10               |
|                              |                                                     |                                                         | f1393d1592e96202b8f727478bea746a646446fa |                  |                  |
| Warnings:                    |                                                     |                                                         |                                          |                  |                  |
| Information:                 |                                                     |                                                         |                                          |                  |                  |
| 2                            |                                                     | 20180914_DFC-5558-01-US_NonProvisionalSpecification.pdf | 121797                                   | yes              | 17               |
|                              |                                                     |                                                         | 2f405e1417b9a23919d9222c82845b270353dd39 |                  |                  |
|                              | Multipart Description/PDF files in .zip description |                                                         |                                          |                  |                  |
|                              | Document Description                                |                                                         | Start                                    | End              |                  |
|                              | Specification                                       |                                                         | 1                                        | 10               |                  |
|                              | Claims                                              |                                                         | 11                                       | 16               |                  |
|                              | Abstract                                            |                                                         | 17                                       | 17               |                  |
| Warnings:                    |                                                     |                                                         |                                          |                  |                  |
| Information:                 |                                                     |                                                         |                                          |                  |                  |
| 3                            | Drawings-only black and white line drawings         | 20180914_DFC-5558-01-US_Drawings.pdf                    | 1107862                                  | no               | 12               |
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