

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5500796

|                                                                                                                                                                                                 |                                                                 |
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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                                  |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                                      |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                                 |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                                           |
| XU ZHAO                                                                                                                                                                                         | 01/24/2019                                                      |
| WANYAO ZHANG                                                                                                                                                                                    | 01/21/2019                                                      |
| YONGPENG TAN                                                                                                                                                                                    | 01/24/2019                                                      |
| TIANBAO WANG                                                                                                                                                                                    | 01/22/2019                                                      |
| XIANGNAN ZHAI                                                                                                                                                                                   | 01/21/2019                                                      |
| YANSHUN SHEN                                                                                                                                                                                    | 01/21/2019                                                      |
| GUOHAI ZHANG                                                                                                                                                                                    | 01/24/2019                                                      |
| YU GUO                                                                                                                                                                                          | 01/21/2019                                                      |
| XIAOPENG FENG                                                                                                                                                                                   | 01/23/2019                                                      |
| YUANYUE LIANG                                                                                                                                                                                   | 01/21/2019                                                      |
| XIAOLING XIE                                                                                                                                                                                    | 01/21/2019                                                      |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                                 |
| <b>Name:</b>                                                                                                                                                                                    | TIANHUA INSTITUTE OF CHEMICAL MACHINERY AND AUTOMATION CO., LTD |
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| <b>City:</b>                                                                                                                                                                                    | GANSU                                                           |
| <b>State/Country:</b>                                                                                                                                                                           | CHINA                                                           |
| <b>Postal Code:</b>                                                                                                                                                                             | 730060                                                          |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                                 |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                                   |
| <b>Application Number:</b>                                                                                                                                                                      | 16346460                                                        |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                                 |
| <b>Fax Number:</b>                                                                                                                                                                              | (703)621-7155                                                   |
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                             | 0151/0119PUS1        |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                                  | JOE MCKINNEY MUNCY   |
| <b>SIGNATURE:</b>                                                                                                                                                                                          | /Joe McKinney Muncy/ |
| <b>DATE SIGNED:</b>                                                                                                                                                                                        | 04/30/2019           |
| <b>Total Attachments: 5</b><br>source=2019-04-30-CDA#page1.tif<br>source=2019-04-30-CDA#page2.tif<br>source=2019-04-30-CDA#page3.tif<br>source=2019-04-30-CDA#page4.tif<br>source=2019-04-30-CDA#page5.tif |                      |

**MUNCY, GEISSLER, OLDS & LOWE, P.C.**

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

**COMBINED DECLARATION AND ASSIGNMENT**

Title of Invention: TEST DEVICE AND TEST METHOD FOR ROTARY PRESSURE FILTER  
AND METHOD FOR DESIGNING FILTER

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ The attached application; or

☐ United States application number or PCT international application number \_\_\_\_\_,  
filed on \_\_\_\_\_.

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.

Direct all correspondence to the address associated with Customer Number 60601.

WHEREAS, Tianhua Institute of Chemical Machinery and Automation Co., Ltd of 3  
North Heshui Road, Xigu, Lanzhou, Gansu 730060, China, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and ☐ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said

invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Muncy, Geissler, Olds & Lowe, P.C. the power to insert on this Assignment any further identification which may be necessary or

desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

LEGAL NAME OF FIRST OR SOLE INVENTOR:

Xu ZHAO

Signature: Xu ZHAO Date: 2019.1.24

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Wanyao ZHANG

Signature: Wanyao ZHANG Date: 2019.1.24

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yongpeng TAN

Signature: Yongpeng TAN Date: 2019.1.24

☒ Additional inventors are being named on separately numbered sheets attached hereto.

**SUPPLEMENTAL SHEET FOR COMBINED DECLARATION AND ASSIGNMENT**

Page 1 of 2

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Tianbao WANG

Signature: Tianbao WANG Date: 2019.1.22

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

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Signature: Xiangnan ZHAI Date: 2019.1.21

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yanshun SHEN

Signature: Yanshun SHEN Date: 2019.1.21

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Guohai ZHANG

Signature: Guohai ZHANG Date: 2019.1.24

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yu GUO

Signature: Yu GUO Date: 2019.1.21

SUPPLEMENTAL SHEET FOR COMBINED DECLARATION AND ASSIGNMENT

Page 2 of 2

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

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Signature: Xiaopeng FENG Date: 2019.1.23

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Signature: Yuanyue LIANG Date: 2019.01.21

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Xiaoling XIE

Signature: Xiaoling XIE Date: 2019.01.21

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_