

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XU ZHAO	10/10/2016
WANYAO ZHANG	10/10/2016
ZHONGXIN SUN	10/10/2016
YONGPENG TAN	10/10/2016
XIANGNAN ZHAI	10/10/2016
TIANBAO WANG	10/10/2016
YUANYUE LIANG	10/10/2016
GUOHAI ZHANG	10/10/2016
XIAOPENG FENG	10/10/2016
YANSHUN SHEN	10/14/2016
RECEIVING PARTY DATA	
Name:	TIANHUA INSTITUTE OF CHEMICAL MACHINERY AND AUTOMATION CO., LTD
Street Address:	3 NORTH HESHUI ROAD, XIGU LANZHOU
City:	GANSU
State/Country:	CHINA
Postal Code:	730060
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15305034
CORRESPONDENCE DATA	
Fax Number:	(703)621-7155
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	7036217140
Email:	mailroom@mg-ip.com, smc@mg-ip.com
Correspondent Name:	MUNCY, GEISSLER, OLDS & LOWE, PC
Address Line 1:	4000 LEGATO RD., SUITE 310
Address Line 4:	FAIRFAX, VIRGINIA 22033
ATTORNEY DOCKET NUMBER:	0151/0109PUS1

NAME OF SUBMITTER:	JOE MCKINNEY MUNCY
SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	10/20/2016
Total Attachments: 4 source=2016-10-20-Assignment#page1.tif source=2016-10-20-Assignment#page2.tif source=2016-10-20-Assignment#page3.tif source=2016-10-20-Assignment#page4.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: SOLVENT EXCHANGER AND METHOD FOR IMPROVING THE
EXCHANGE EFFICIENCY OF CTA SOLVENT

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 ^{15/305,034}
October 18, 2016

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, Gasu 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.

Attorney Docket No. 0151/0109PUS1

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: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Wanyao ZHANG

Signature: Wanyao ZHANG Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Zhongxin SUN

Signature: Zhongxin SUN Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yongpeng TAN

Signature: Yongpeng TAN Date: 2016.10.10

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

SUPPLEMENTAL SHEET FOR COMBINED DECLARATION AND ASSIGNMENT

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Xiangnan ZHAI

Signature: Xiangnan ZHAI Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Tianbao WANG

Signature: Tianbao WANG Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yuanyue LIANG

Signature: Yuanyue LIANG Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Guohai ZHANG

Signature: Guohai ZHANG Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Xiaopeng FENG

Signature: Xiaopeng FENG Date: 2016.10.10

LEGAL NAME OF ADDITIONAL JOINT INVENTOR, IF ANY:

Yanshun SHEN

Signature: Yanshun SHEN Date: 2016.10.14