

Form PTO-1595 (Rev. 06-12)
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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Shiguang LI
Dennis ROCIA
Shaojun ZHOU
Howard MEYER

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Gas Technology Institute

Internal Address: _____

Street Address: 1700 South Mount Prospect Road

City: Des Plaines

State: Illinois

Country: US Zip: 60018

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 18 July 2013; 22 July 2013; 23 July 2013; 17 August 2013

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

13/837,671

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kevin D. Erickson

Internal Address: Pauley Petersen & Erickson

Street Address: 2800 West Higgins Road
Suite 365

City: Hoffman Estates

State: Illinois Zip: 60169

Phone Number: (847) 490-1400

Docket Number: GTI-1901

Email Address: info@ppelaw.com

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 19-3550

Authorized User Name Pauley Petersen & Erickson

9. Signature: /kevin d erickson/

09 September 2013

Signature

Date

Kevin D. Erickson

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **4**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Customer No.: 42419

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ASSIGNMENT

WHEREAS, We the following inventors

1. Name: Shiguang LI
Residence: Mount Prospect, Illinois
Post Office Address: 1914 E. Kiowa Lane
Mount Prospect, Illinois 60056
Citizenship: China
2. Name: Dennis ROCHA
Residence: Carol Stream, Illinois
Post Office Address: 1293 Yorkshire Lane
Carol Stream, Illinois 60188
Citizenship: United States of America
3. Name: Shaojun ZHOU
Residence: Palatine, Illinois
Post Office Address: 5285 Emerson Avenue
Palatine, Illinois 60067
Citizenship: United States of America
4. Name: Howard MEYER
Residence: Hoffman Estates, Illinois
Post Office Address: 1335 Blair Lane
Hoffman Estates, Illinois 60169
Citizenship: United States of America

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

**METHOD AND APPARATUS FOR DESORPTION USING
MICROPOROUS MEMBRANE OPERATED IN WETTED
MODE**

which is described and claimed in an application for Letters Patent of the United States having Application Serial Number 13/837,671, a Filing Date of 15 March 2013, and naming as inventors Shiguang LI, Dennis ROCHA, Shaojun ZHOU, Howard MEYER, Benjamin BIKSON, and Yong DING; said improvements as described and claimed in said application for Letters Patent of the United States, being hereafter referred to as said "Invention"; and

ASSIGNMENT

WHEREAS, Gas Technology Institute, a non-profit corporation duly organized and existing under and by virtue of the laws of the State of Illinois and having its principal office and place of business at 1700 South Mount Prospect Road, Des Plaines, Illinois 60018, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

NOW THEREFORE BE IT KNOWN THAT, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention, in the United States and countries foreign thereto.

7/23/2013
Date

Shiguang Li
Shiguang LI

Date

Dennis ROCHA

7/22/2013
Date

Shaojun Zhou
Shaojun ZHOU

7/18/13
Date

Howard MEYER
Howard MEYER

ASSIGNMENT

WHEREAS, Gas Technology Institute, a non-profit corporation duly organized and existing under and by virtue of the laws of the State of Illinois and having its principal office and place of business at 1700 South Mount Prospect Road, Des Plaines, Illinois 60018, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

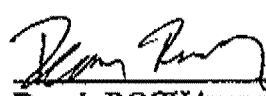
NOW THEREFORE BE IT KNOWN THAT, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention, in the United States and countries foreign thereto.

Date

8/17/13

Shiguang LI



Date

Dennis ROCHA

Date

Shaojun ZHOU

Date

Howard MEYER

GTI-1901

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