

Form PTO-1595 (Rev. 06-12)  
OMB No. 0651-0027 (exp. 04/30/2015)

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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, Travis PYRZYNSKI, Howard MEYER, Naomi KLINGHOFFER and Timothy TAMALE

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) 13 March 2019

- 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)

16/353,079

Additional numbers attached?  Yes  No

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

Name: KEVIN D. ERICKSON

Internal Address: PAULEY ERICKSON & KOTTIS

Street Address: 2800 WEST HIGGINS ROAD  
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State: ILLINOIS Zip: 60169

Phone Number: (847) 490-1400

Docket Number: GTI-2107

Email Address: pto@pauleyip.com

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

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 50.00

- 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 Erickson & Kottis

**9. Signature:**

*Nick C. Kottis*

Signature

15 March 2019

Date

Nick C. Kottis  
Name of Person Signing

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

**3**

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

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CUSTOMER NO.: 42419

## ASSIGNMENT

WHEREAS, We the following inventors

1. Name: Shiguang LI  
Residence: Mount Prospect, Illinois  
Post Office Address: 1914 East Kiowa Lane  
Mount Prospect, Illinois 60056
2. Name: Travis PYRZYNSKI  
Residence: Elgin, Illinois  
Post Office Address: 1210 Bradley Circle  
Elgin, Illinois 60120
3. Name: Howard MEYER  
Residence: Hoffman Estates, Illinois  
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Hoffman Estates, Illinois 60169
4. Name: Naomi KLINGHOFFER  
Residence: Chicago, Illinois  
Post Office Address: 2518 N. Kedzie Blvd., Apt. 2E  
Chicago, Illinois 60647
5. Name: Timothy TAMALE  
Residence: Schaumburg, Illinois  
Post Office Address: 342 Sheffiled Drive  
Schaumburg, Illinois 60194

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

MEMBRANE ABSORPTION PROCESS FOR CO<sub>2</sub> CAPTURE

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors Shiguang LI, Travis PYRZYNSKI, Howard MEYER, Naomi KLINGHOFFER and Timothy TAMALE; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, Gas Technology Institute, an Illinois not-for-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;

ASSIGNMENT

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.

3/13/19  
Date

Shiguang Li  
Shiguang Li

3/13/19  
Date

Travis  
Travis PYRZYNSKI

3/13/19  
Date

Howard  
Howard MEYER

3/13/19  
Date

Naomi  
Naomi KLINGHOFFER

3/13/19  
Date

Timothy S Sali Pake  
Timothy TAMALE

3/13/19  
Date