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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)**

JASON STAIR and ANTHONY LINDSAY

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) 17 OCTOBER 2017 & 16 OCTOBER 2017

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

**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)

15/785,963

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  
SUITE 365

City: HOFFMAN ESTATES

State: ILLINOIS Zip: 60169

Phone Number: (847) 490-1400

Docket Number: GTI-1895-CIP

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) \$ 40.00

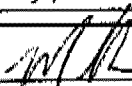
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 19-3550

Authorized User Name Pauley Erickson & Kottis

**9. Signature:**

  
Signature

20 Oct. 2017  
Date

Mark D. Swanson  
Name of Person Signing

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

**3**

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**ASSIGNMENT**

WHEREAS, We the following inventors

1. Name: Jason STAIR  
Residence: Chicago, Illinois  
Post Office Address: 1720 N. Marshfield Avenue  
Chicago, Illinois 60622
  
2. Name: Anthony LINDSAY  
Residence: Geneva, Illinois  
Post Office Address: 2670 Blackman Road  
Geneva, Illinois 60134

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

**FREE PISTON LINEAR MOTOR COMPRESSOR AND  
ASSOCIATED SYSTEMS OF OPERATION**

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 Jason STAIR and Anthony LINDSAY; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

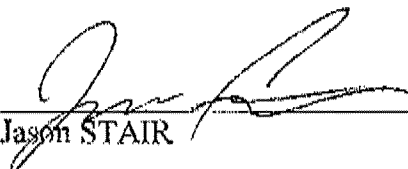
WHEREAS, Gas Technology Institute, an Illinois not-for-profit corporation duly organized and existing under and by virtue of the laws of the State of Illinois and having its principal office and place of business at 1700 South Mount Prospect Road, Des Plaines, Illinois 60018, hereinafter referred to 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;

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.

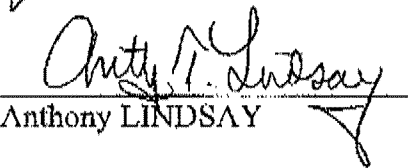
ASSIGNMENT

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.

10/17/2017  
Date

  
Jason STAIR

10/16/2017  
Date

  
Anthony LINDSAY