Paule700515655 AL 06/03/2014

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RECORDATION FORM COVER SHEET PATENTS ONLY				
	e record the attached documents or the new address(es) below.			
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
Dennis LEPPIN	Name: Gas Technology Institute			
Ajay MAKKUNI	Internal Address:			
Timothy TAMALE				
Additional name(s) of conveying party(ies) attached? Yes Mo	Street Address: 1700 South Mount Prospect Road			
3. Nature of conveyance/Execution Date(s): Execution Date(s) 22 May 2014 and 30 May 2014	Street Address:			
	10			
	City: Des Plaines			
Security Agreement Change of Name	· · · · · · · · · · · · · · · · · · ·			
Joint Research Agreement	State: Illinois			
Government Interest Assignment	Country: United StatesZip: 60018-1804			
Executive Order 9424, Confirmatory License				
Other	Additional name(s) & address(es) attached? Yes No			
	document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s)			
A. Patent Application No.(s)	D. Fateric NO.(5)			
14/291,911				
Additional numbers at				
5. Name and address to whom correspondence 6. Total number of applications and patents				
concerning document should be mailed: Name: Maxwell J. Petersen	involved: one (1)			
	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Internal Address: Pauley Petersen & Erickson				
	Authorized to be charged to deposit account			
Street Address: 2800 West Higgins Road				
Suite 365	None required (government interest not affecting title)			
City: Hoffman Estates	8. Payment Information			
State: Illinois Zip: 60169				
Phone Number: (847) 490-1400	- 19-3550			
Docket Number_GTI-1985	Deposit Account Number <u>19-3550</u>			
Email Address: info@ppelaw.com	Authorized User Name Pauley Petersen & Erickson			
9. Signature: Many J. Rithyns Signature	6-3-14			
Signature	Date			
Maxwell J. Petersen	Total number of pages including cover			
Name of Person Signing	Sheet, attachments, and documents.			
Documents to be recorded (Including cover shee Mail Stop Assignment Recordation Services, Director o	t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450			

Customer No.: 42419

PATENT REEL: 033123 FRAME: 0422

Customer No.: 42419

ASSIGNMENT

WHEREAS, We the following inventors

- 1.
 Name:
 Dennis LEPPIN

 Residence:
 Chicago, Illinois

 Post Office Address:
 195 North Harbor Drive, Unit 2108

 Chicago, Illinois 60601
 Chicago, Illinois of America
- 2.
 Name:
 Ajay MAKKUNI

 Residence:
 Hoffman Estates, Illinois

 Post Office Address:
 2060 Edgartown Lane

 Hoffman Estates, Illinois 60192
 Litizenship:

 India
 India
 - Name:Timothy TAMALEResidence:Chîcago, IllinoisPost Office Address:2439 W. Logan Blvd., Apt. 2HChicago, Illinois 60647Chicago, Illinois 60647

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

SCAVENGING AND TAILGAS PROCESS

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 Dennis LEPPIN, Ajay MAKKUNI 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, 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 60018-1804, 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;

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PATENT REEL: 033123 FRAME: 0423

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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 assignce 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.

2014

Dennis LEP

Date

2010

Ajay MAKKUNI

Timothy TAMALE

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GTI-1985

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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

Dennis LEPPIN

Ajay	MAKKUNI	
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Date

Timothy TAMALE

GTI-1985

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P140\jkm

LAW OFFICES

PAULEY PETERSEN & ERICKSON

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DOUGLAS H. PAULEY MAXWELL J. PETERSEN XEVUN D. ERICKSON NICK C. KOTYIS MARK D. SWANSON WILLIAM R. SIEGEL

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Maxwell J. Petersen Customer No.: 42419	
Application Serial No.: 14/291,911 Filing Date: 30 May 2014 Attorney Docket No.: GTI-1985	
03 June 2014	,
	571-273-0140 United States Patent and Trademark Office Maxwell J. Petersen Customer No.: 42419 Application Serial No.: 14/291,911 Filing Date: 30 May 2014 Attorney Docket No.: GTI-1985

Number of pages being transmitted, including cover sheet: 5 pages

1. Facsimile Cover Page (1 page)

2. Recordation Form Cover Sheet (1 page)

3. Assignment document (3 pages)

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RECORDED: 06/03/2014