

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5670256

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RICK PETERSON	06/16/2017
MICHAEL R. HEINRICHS	06/16/2017
VINAY V. GADKARI	06/20/2017
RACHID TAHA	11/01/2017
SLAWOMIR WINECKI	06/16/2017
DARWIN ARGUMEDO	06/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BATTELLE MEMORIAL INSTITUTE
<b>Street Address:</b>	505 KING AVENUE
<b>City:</b>	COLUMBUS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43201-2693
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16541523
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)363-9001
<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>	
<b>Phone:</b>	216.363.9000
<b>Email:</b>	uspto@faysharpe.com
<b>Correspondent Name:</b>	FAY SHARPE LLP
<b>Address Line 1:</b>	1228 EUCLID AVENUE, 5TH FLOOR
<b>Address Line 2:</b>	THE HALLE BUILDING
<b>Address Line 4:</b>	CLEVELAND, OHIO 44115
<b>ATTORNEY DOCKET NUMBER:</b>	BATZ 200107US04
<b>NAME OF SUBMITTER:</b>	RICHARD M. KLEIN
<b>SIGNATURE:</b>	/Richard M. Klein/
<b>DATE SIGNED:</b>	08/15/2019

**Total Attachments: 7**

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **Rick Peterson, Michael R. Heinrichs, and Vinay V. Gadkari** of Columbus, Ohio, **Rachid Taha** and **Slawomir Winecki** of Dublin, Ohio, and **Darwin Argumedo** of Columbus, Ohio

who has/have created a certain invention for which an application for United States Letters Patent has been

☐ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☒ filed as U.S. Serial No. 15/617,589 on June 8, 2017  
☐ filed as International Application No. \_\_\_\_\_ on \_\_\_\_\_

and is entitled

### ACID DIGESTION PROCESSES FOR RECOVERY OF RARE EARTH ELEMENTS FROM COAL AND COAL BYPRODUCTS

Do hereby sell, assign and transfer to Battelle Memorial Institute, having a place of business at 505 King Avenue, Columbus, Ohio 43201, (hereinafter Assignee) its successors, assigns, and legal representatives, the full and exclusive right, title, and interest in and to said invention and said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, reexaminations, extensions thereof, and all other forms of protection relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions agreements, acts, and treaties;

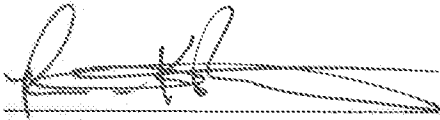
Agree that said Assignee may apply for and receive Letters Patent for said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reexaminations, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for

vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

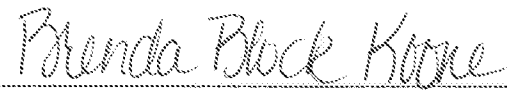
IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature(s) on the date(s) indicated below.

Signed at the City of Columbus State of OH  
on this 16 day of June, 2017.

  
Rick Peterson

State of Ohio )  
County of Franklin ) ss:

On this 16<sup>th</sup> day of June, 2017 before me personally came Rick Peterson, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Seal



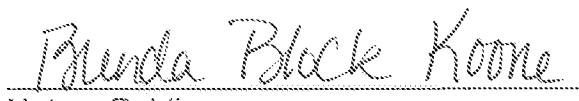
Brenda Block Koone  
Notary Public, State of Ohio  
My Commission Expires 05-20-18

Signed at the City of Columbus State of OH  
on this 16 day of June, 2017.

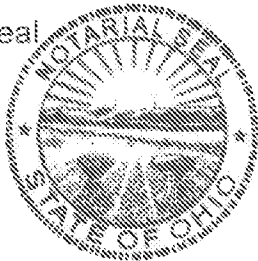
  
Michael R. Heinrichs

State of Ohio )  
County of Franklin ) ss:

On this 16<sup>th</sup> day of June, 2017 before me personally  
came Michael R. Heinrichs, to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

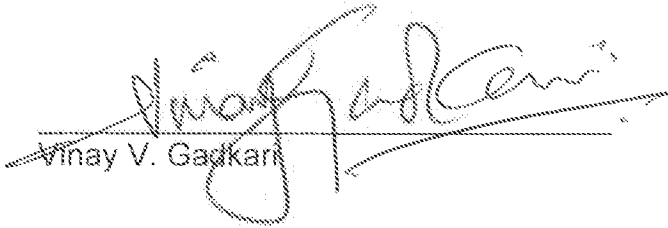
  
Notary Public

Seal



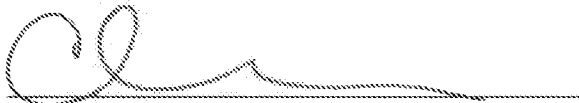
Brenda Block Koone  
Notary Public, State of Ohio  
My Commission Expires 06-20-18

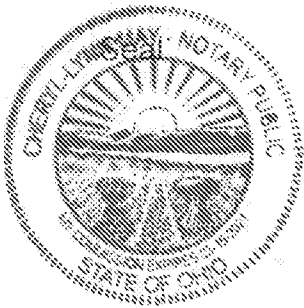
Signed at the City of Columbus State of OH  
on this 20 day of June, 2017.

  
Vinay V. Gadkari

State of OHIO )  
County of Franklin ) ss:

On this 20<sup>th</sup> day of June, 2017 before me personally  
came Vinay V. Gadkari, to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



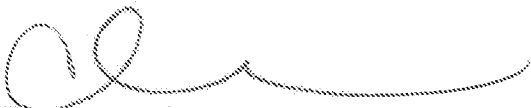
Signed at the City of Columbus State of OHIO  
on this 1 day of Nov., 2017.



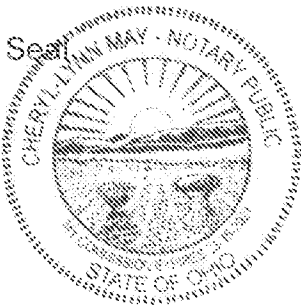
Rachid Taha

State of Ohio )  
County of Franklin ) ss:

On this 1<sup>st</sup> day of November, 2017 before me personally came Rachid Taha, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



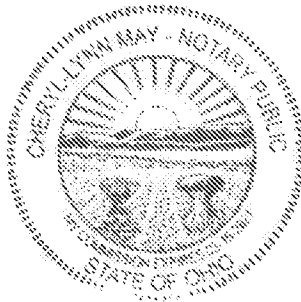
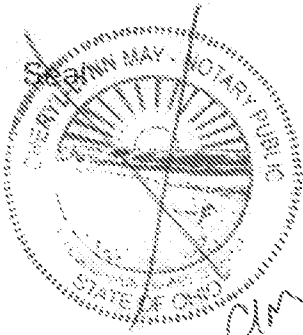
Signed at the City of Columbus State of OH  
on this 16 day of June, 2017.

S. Winecki  
Slawomir Winecki

State of OHIO )  
County of Franklin ) ss:

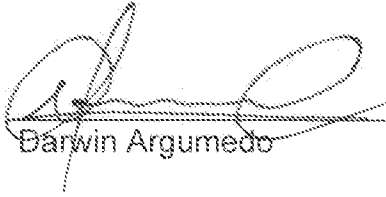
On this 16<sup>th</sup> day of June, 2017 before me personally came Slawomir Winecki, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary Public



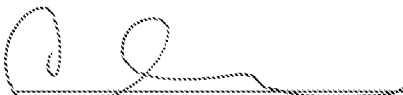


Signed at the City of Columbus State of OHIO  
on this 22 day of June, 2017.

  
\_\_\_\_\_  
Darwin Argumedo

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss:  
\_\_\_\_\_ )

On this 22 day of June, 2017 before me personally  
came Darwin Argumedo, to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

