

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4437776

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAVI CHANDRAN	05/30/2017
DAVE G. NEWPORT	05/30/2017
DANIEL MICHAEL LEO	05/30/2017
DANIEL A. BURCIAGA	05/30/2017
JUSTIN KEVIN MILLER	05/30/2017
KAITLIN EMILY HARRINGTON	05/30/2017
BRIAN CHRISTOPHER ATTWOOD	05/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THERMOCHEM RECOVERY INTERNATIONAL, INC.
<b>Street Address:</b>	3700 KOPPERS STREET
<b>City:</b>	BALTIMORE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21227
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15609769
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)918-2262
<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>	703-790-7916
<b>Email:</b>	kaoliver@wcsr.com
<b>Correspondent Name:</b>	KATHY OLIVER
<b>Address Line 1:</b>	P.O. BOX 7037
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<b>ATTORNEY DOCKET NUMBER:</b>	T127 1230US.1
<b>NAME OF SUBMITTER:</b>	NANDA K. ALAPATI
<b>SIGNATURE:</b>	/nanda k alapati/
<b>DATE SIGNED:</b>	05/31/2017

**Total Attachments: 3**

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## ASSIGNMENT

WHEREAS, as a below named inventor, I, ASSIGNOR, am the original, first and sole (if only one inventor is named) or joint (if more than one inventor is named) inventor, of the invention entitled:

### **PRESSURE-BASED METHOD AND SYSTEM FOR MEASURING THE DENSITY AND HEIGHT OF A FLUIDIZED BED**

which is:

- ☒ is attached hereto;
- ☒ identified as WCSR Docket No. T127 1230US.1
- ☐ was filed on \_\_\_\_\_ as United States Application Serial No. \_\_\_\_\_.
- ☐ was filed on \_\_\_\_\_ as PCT International Application No. and \_\_\_\_\_ designated the United States.

WHEREAS, **ThermoChem Recovery International, Inc.**, having a business address at 3700 Koppers Street, Baltimore, Maryland 21227, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and said application in the United States;

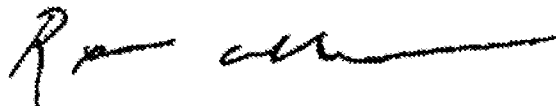
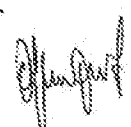


NOW, THEREFORE, in consideration of good and valuable consideration, Assignor has sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, his successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and the United States application and all divisionals, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

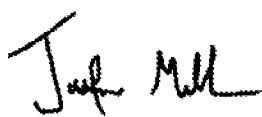
AND ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue said application to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR HEREBY further covenants and agrees that it will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to it respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.


IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

1.   
\_\_\_\_\_  
Name: **Ravi CHANDRAN** Date: 05/30/2017  
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2.   
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Name: **Dave G. NEWPORT** Date: 05/30/2017  
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3.   
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Name: **Daniel Michael LEO** Date: 05/30/2017  
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Name: **Daniel A. BURCIAGA** Date: 05/30/2017  
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05/30/2017

Date

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Date

7.   
Name: **Brian Christopher ATTWOOD**  
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Citizenship: US

05/30/2017

Date