

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ravi CHANDRAN</td> <td>03/27/2013</td> </tr> <tr> <td>Daniel Michael LEO</td> <td>03/27/2013</td> </tr> <tr> <td>Shawn Robert FREITAS</td> <td>03/27/2013</td> </tr> <tr> <td>Dave G. NEWPORT</td> <td>04/03/2013</td> </tr> <tr> <td>Hamilton Sean Michael WHITNEY</td> <td>03/27/2013</td> </tr> <tr> <td>Daniel A. BURCIAGA</td> <td>03/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ravi CHANDRAN	03/27/2013	Daniel Michael LEO	03/27/2013	Shawn Robert FREITAS	03/27/2013	Dave G. NEWPORT	04/03/2013	Hamilton Sean Michael WHITNEY	03/27/2013	Daniel A. BURCIAGA	03/27/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>ThermoChem Recovery International, Inc</td> </tr> <tr> <td>Street Address:</td> <td>3700 Koppers Street</td> </tr> <tr> <td>City:</td> <td>Baltimore</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21227</td> </tr> </table>		Name:	ThermoChem Recovery International, Inc	Street Address:	3700 Koppers Street	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21227				
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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012057594</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2012057594										
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PCT Number:	US2012057594														
CORRESPONDENCE DATA															
<p>Fax Number: 4048887490 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703.394.2216 Email: cblackburn@wcsr.com Correspondent Name: WOMBLE CARLYLE SANDRIDGE & RICE, LLP Address Line 1: P.O. BOX 7037 Address Line 2: IP DOCKET DEPARTMENT Address Line 4: ATLANTA, GEORGIA 30357-0037</p>															
ATTORNEY DOCKET NUMBER:	T127 1080WO														

NAME OF SUBMITTER:	Nanda K. Alapati
Signature:	/Nanda K. Alapati/
Date:	04/11/2013
Total Attachments: 4 source=T127 1080WO - PCT Assignment#page1.tif source=T127 1080WO - PCT Assignment#page2.tif source=T127 1080WO - PCT Assignment#page3.tif source=T127 1080WO - PCT Assignment#page4.tif	

ASSIGNMENT OF INTERNATIONAL APPLICATION

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:

System and Method for Syngas Clean-Up

which is:

- ☒ identified as WCSR Docket No. T127 1080WO
- ☒ was filed on 27 September 2012 as PCT International Application No. PCT/US2012/057594.

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

NOW, THEREFORE, in consideration of good and valuable consideration the receipt of which is hereby acknowledged, 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:

- (a) Said invention;
- (b) Said International Application;
- (c) All National Phase applications based on the International Application, together with the right to file such applications and the right to claim priority rights for same which rights arise under the Laws of any PCT member state, the International Convention for the Protection of Industrial Property, or any other international agreement in which any such application is filed, as may be applicable;
- (d) 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;
- (e) All forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention; and
- (f) All divisionals, continuations, reissues, renewals and extensions of any of the foregoing.


AND ASSIGNOR HEREBY authorizes and requests any Official of any PCT member state, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any such patent or other evidence or form of industrial property protection to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

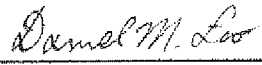
AND ASSIGNOR HEREBY covenants and agrees that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

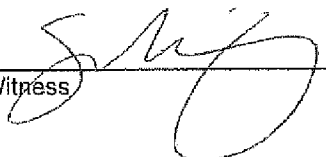
AND ASSIGNOR HEREBY further covenants and agrees that it will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to it respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue 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.

AND ASSIGNOR HEREBY grant(s) an authorized representative of Assignee the power to insert in this Assignment the application number and filing date and further identification that may be necessary or desirable to comply with the rules for recordation of this Assignment.

IN WITNESS WHEREOF, the undersigned inventor has affixed his signature.

1.  3/27/2013
Name: **Ravi CHANDRAN** Date
Residence Address: Ellicott City, MD 21042
Post Office Address: 3915 Paul Mill Road, Ellicott City, MD 21042
Citizenship: USA

 3/27/2013
Witness Date

 3/27/13
Witness Date

2. Daniel M. Leo 3/27/2013
Name: **Daniel Michael LEO** Date
Residence Address: Baltimore, MD 21202
Post Office Address: 1014 N. Calvert St, #3, Baltimore, MD 21202
Citizenship: USA

[Signature]
Witness
[Signature]
Witness

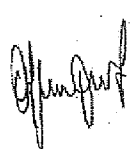
3/27/13
Date
3/27/13
Date

3. SRF 03/27/13
Name: **Shawn Robert FREITAS** Date
Residence Address: Corvallis OR 97330
Post Office Address: 2942 NW 13th Pl., Corvallis, OR 97330
Citizenship: USA

Daniel M. Leo
Witness
[Signature]
Witness

3/27/2013
Date
3/27/13
Date

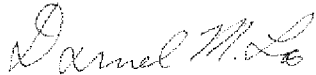
4.


Name: **Dave G. NEWPORT**
Residence Address: Cumberland, ME 12603
Post Office Address: 40 Newell Ridge Road, Cumberland, ME 12603
Citizenship: USA

Date

4/3/13

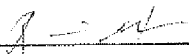
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04/03/2013

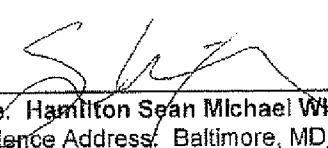
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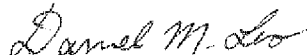
5.


Name: **Hamilton Sean Michael WHITNEY**
Residence Address: Baltimore, MD 21224
Post Office Address: 2536 Falt Avenue, Baltimore, MD 21224
Citizenship: USA

Date

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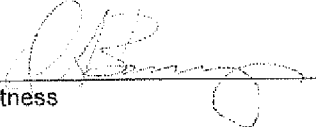
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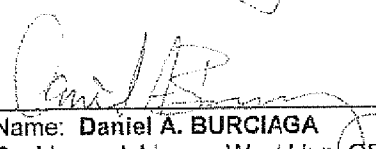
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6.


Name: **Daniel A. BURCIAGA**
Residence Address: West Linn, OR 97068
Post Office Address: 1392 Skye Ct., West Linn, OR 97068
Citizenship: USA

Date

3/27/2013

Witness



Date

3/27/2013

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