

PATENT ASSIGNMENT

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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>George APANEL</td> <td>10/21/2011</td> </tr> <tr> <td>Harold A. WRIGHT</td> <td>10/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	George APANEL	10/21/2011	Harold A. WRIGHT	10/21/2011				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>RENTECH, INC.</td> </tr> <tr> <td>Street Address:</td> <td>10877 Wilshire Blvd., Suite 600</td> </tr> <tr> <td>City:</td> <td>Los Angeles</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>90024</td> </tr> </table>		Name:	RENTECH, INC.	Street Address:	10877 Wilshire Blvd., Suite 600	City:	Los Angeles	State/Country:	CALIFORNIA	Postal Code:	90024
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CORRESPONDENCE DATA											
Fax Number: 7132266215 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 7132266000 Email: patmail@porterhedges.com Correspondent Name: Timothy S. Westby Address Line 1: P.O. Box 4078 Address Line 2: PORTER HEDGES, LLP Address Line 4: Houston, TEXAS 77521											
ATTORNEY DOCKET NUMBER:	011772-9309, 9310, 9311										
NAME OF SUBMITTER:	Timothy S. Westby										

Signature:	/Timothy S. Westby/
Date:	08/08/2013
Total Attachments: 3 source=ASSIGNMENT_9302#page1.tif source=ASSIGNMENT_9302#page2.tif source=ASSIGNMENT_9302#page3.tif	

ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by **Rentech, Inc.**, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **George Apanel and Harold A. Wright** ("ASSIGNORS"), having made an invention in "*System and Method for Dual Fluidized Bed Gasification*", do hereby ASSIGN, SELL and CONVEY to said **Rentech, Inc.**, a corporation having a business address of 10877 Wilshire Blvd., Suite 710, Los Angeles, California 90024 ("ASSIGNEE"), its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in "*System and Method for Dual Fluidized Bed Gasification*";
2. United States of America provisional patent application Serial No. 61/146,185 filed January 21, 2009, entitled "*System and Method for Dual Fluidized Bed Gasification*";
3. United States of America nonprovisional patent application Serial No. 12/691,297, filed January 21, 2010, entitled "*System and Method for Dual Fluidized Bed Gasification*";
4. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or any other place anywhere in the world;
5. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
6. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
7. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;
8. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

9. All international rights of priority associated with said invention, applications, patents, and like protection;

and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED on the date indicated below, opposite my signatures.

Date: 21 October, 2011

ASSIGNOR

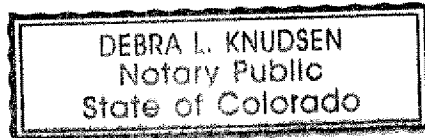
George APANEL

THE STATE OF Colorado §
COUNTY OF Adams §

BEFORE ME, the undersigned authority, on this day personally appeared **George APANEL**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 21st day of October, 2011.

[SEAL]



Debra L. Knudsen
Notary Public in and for
the State of Colorado

My Commission Expires:

Aug 6, 2015

Date: 21 October, 2011

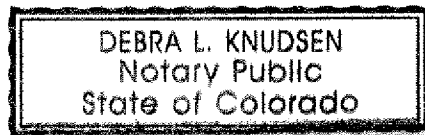
Harold A. Wright
Harold A. WRIGHT

THE STATE OF Colorado §
COUNTY OF Adams §

BEFORE ME, the undersigned authority, on this day personally appeared **Harold A. WRIGHT**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 21ST day of October, 2011.

[SEAL]



Debra L. Knudsen
Notary Public in and for
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