

## 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>Burl Edward DAVIS</td> <td>08/30/2012</td> </tr> <tr> <td>Kieran Maurice O'LEARY</td> <td>09/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Burl Edward DAVIS	08/30/2012	Kieran Maurice O'LEARY	09/03/2012						
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<table border="1"> <tr> <td>Name:</td> <td>Carbon Energy Limited</td> </tr> <tr> <td>Street Address:</td> <td>Level 12</td> </tr> <tr> <td>Internal Address:</td> <td>301 Coronation Drive</td> </tr> <tr> <td>City:</td> <td>Milton, Queensland</td> </tr> <tr> <td>State/Country:</td> <td>AUSTRALIA</td> </tr> <tr> <td>Postal Code:</td> <td>4064</td> </tr> </table>		Name:	Carbon Energy Limited	Street Address:	Level 12	Internal Address:	301 Coronation Drive	City:	Milton, Queensland	State/Country:	AUSTRALIA	Postal Code:	4064
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CORRESPONDENCE DATA													
Fax Number: 6508332001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 650-833-2000 Email: patentdocketingUS-paloalto@dlapiper.com Correspondent Name: DLA Piper LLP Address Line 1: 2000 University Avenue Address Line 4: East Palo Alto, CALIFORNIA 94303-2215													
ATTORNEY DOCKET NUMBER:	377180-991110												
NAME OF SUBMITTER:	Jason Lee												
Total Attachments: 3 source=Carbon Energy-991110-Assignment#page1.tif source=Carbon Energy-991110-Assignment#page2.tif source=Carbon Energy-991110-Assignment#page3.tif													

CH \$40.00 13536100

ASSIGNMENT

WHEREAS, BURL EDWARD DAVIS and KIERAN MAURICE O'LEARY made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled

A METHOD FOR SHORTENING AN INJECTION PIPE FOR UNDERGROUND COAL GASIFICATION

\_\_\_\_\_ issued as U.S. Patent No. \_\_\_\_\_  
X filed as Serial No. 13/536,100 on June 28, 2012  
\_\_\_\_\_ filed herewith

WHEREAS, Carbon Energy Limited, an Australian company whose address is Level 12, 301 Coronation Drive, Milton, Queensland 4064, Australia, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, effective as of the date signed, I hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;
4. Warrant that I have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonable serving to assure that said inventions and discoveries, said patent

applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing any facts of my conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Grant the attorneys of record the power to insert on this Assignment the serial number of said Application as further identification of said Application in order to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

IN WITNESS WHEREOF:


<i>Burl Edward Davis</i>		<i>Aug 30 2012</i>
BURL EDWARD DAVIS		Date

*Barbara J. Davis*  
WITNESS *BARBARA J. DAVIS*

*Melinda O'Toole*  
WITNESS *Melinda O'Toole*

IN WITNESS WHEREOF:

		03/09/2012
KIERAN MAURICE O'LEARY		Date

  
WITNESS

  
WITNESS