

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5363546

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | SOMERSET COAL INTERNATIONAL, INC. | 02/05/2019 |
| RECEIVING PARTY DATA | | |
| Name: | CTL ENERGY, INC. | |
| Street Address: | 326 FIRST AVENUE | |
| City: | HYDE PARK | |
| State/Country: | PENNSYLVANIA | |
| Postal Code: | 15641 | |
| PROPERTY NUMBERS Total: 2 | | |
| Property Type | Number | |
| Patent Number: | 9920253 | |
| PCT Number: | US2014069879 | |
| CORRESPONDENCE DATA | | |
| Fax Number: | (404)853-8806 | |
| <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> | | |
| Phone: | 404-853-8012 | |
| Email: | KarissaBlyth@eversheds-sutherland.us | |
| Correspondent Name: | KARISSA F. BLYTH | |
| Address Line 1: | 999 PEACHTREE STREET, NE | |
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| NAME OF SUBMITTER: | KARISSA F. BLYTH | |
| SIGNATURE: | /Karissa F. Blyth/ | |
| DATE SIGNED: | 02/06/2019 | |
| Total Attachments: 3 | | |
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| source=92351 Assignment#page3.tif | | |

ASSIGNMENT
(Worldwide Rights)

WHEREAS, **Somerset Coal International, Inc.**, a corporation existing under the laws of Pennsylvania, having a principle place of business at 75 Washington Avenue, Vandergrift, Pennsylvania 15690, USA, hereinafter generally referred to as “**ASSIGNOR**,” is the owner of certain inventions for which Letters Patents have been issued and which for an application for Letters Patent is pending as set forth on **Schedule A** attached hereto;

WHEREAS, **CTL Energy Inc.**, a corporation incorporated under the laws of the State of Delaware, having an office and place of business at 326 First Avenue Hyde Park, Pennsylvania 15641, hereinafter generally referred to as “**ASSIGNEE**,” is the desirous of acquiring an interest therein;

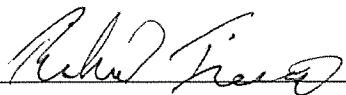
NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR hereby sells, assigns, and transfers, unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR’S entire right, title and interest in and to the invention and Letters Patent and/or applications for Letters Patents as described and as set forth in Schedule A, and to all subsequent applications based thereon including any and all non-provisionals, continuations, continuations-in-part, divisions, reissues and substitutes of said applications, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America or any foreign country adheres; and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interests as ASSIGNEE, its successors, assigns, and legal representatives; and

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

IN TESTIMONY WHEREOF, this Assignment is effective *nunc pro tunc* as of 23 February 2019.

Somerset Coal International, Inc.

By: 

Date: 5 February 2019

Name: Richard Troiano
Title: President

SCHEDULE A

| Title | Country | Application No. / Patent No. |
|-------------------------------------|--------------|------------------------------|
| Microorganism Mediated Liquid Fuels | U.S. | 9,920,253 (14/133,449) |
| Microorganism Mediated Liquid Fuels | WO | PCT/US2014/069879 |
| Microorganism Mediated Liquid Fuels | Europe | 14872224.2 |
| Microorganism Mediated Liquid Fuels | Canada | 2,933,839 |
| Microorganism Mediated Liquid Fuels | China | 2014800720316 |
| Microorganism Mediated Liquid Fuels | Australia | 2014366344 |
| Microorganism Mediated Liquid Fuels | Indonesia | P00201604650 |
| Microorganism Mediated Liquid Fuels | South Africa | 2016/04116 |
| Microorganism Mediated Liquid Fuels | Colombia | NC2016/0000029 |
| Microorganism Mediated Liquid Fuels | Russia | 2017123723 |