

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Hugh MCLAUGHLIN | 09/01/2009 |
| RECEIVING PARTY DATA | |
| Name: | Alterna BioCarbon Inc. |
| Street Address: | 701 Fifth Avenue |
| Internal Address: | Suite 7000 |
| City: | Seattle |
| State/Country: | WASHINGTON |
| Postal Code: | 98104-7044 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12472019 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 3722-102 |
| NAME OF SUBMITTER: | George R. Repper, Reg. No. 31,414 |
| Total Attachments: 2 source=McLaughlin_Assignment#page1.tif source=McLaughlin_Assignment#page2.tif | |

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PATENT
 REEL: 023202 FRAME: 0909

Assignment - World - application

ASSIGNMENT (World)

WHEREAS,

Hugh McLAUGHLIN hereinafter referred to as the "Assignor", whose full post office address is, 151 Hill Road, Groton, MA 10450, U.S.A has, together with Hendrik VAN AARDT and Phil Marsh, made an invention relating to and entitled:

**METHOD OF CONVERTING PYROLYZABLE ORGANIC MATERIALS TO
BIOCARBON**

hereinafter referred to as the "Invention", as fully set forth and described in an application for Letters Patent identified as:

Country: U.S.A.

Serial number: 12/472,019

Filing date: May 26, 2009; hereinafter referred to as the "Application";

AND WHEREAS,

Alterna BioCarbon Inc.

hereinafter referred to as the "Assignee", whose full post office address is

701 Fifth Avenue, Suite 7000, Seattle, Washington, 98104-7044, U.S.A

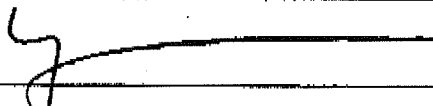
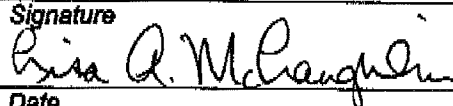
desires to acquire the Assignor's entire right, title and interest in and to the Invention and the Application;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor confirms that it has, as of **May 26, 2009** sold, assigned, transferred and set over, and for greater certainty, does hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, its entire right, title and interest for Canada, the United States and all other countries throughout the World in and to the Invention, together with its entire right, title and interest in and to the Application and any and all Letters Patent that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the Application, to the full end of the term for which each said Letters Patent may be granted, and including any right to claim priority based on The Application, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignor had this Assignment not been made;

AND the Assignor, on behalf of itself and its executors and administrators, does hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain

any and all Letters Patent for the invention and vest the same in the Assignee, its successors, assigns, or legal representatives.

AND the Assignor, on behalf of itself and its executors and administrators, does hereby authorize the Assignee, its successors, assigns, or legal representatives, including its Patent Agents, Blake, Cassels & Graydon LLP, to amend this assignment to insert or correct the filing date, serial number or other identifying information of the Application as may be needed to record this assignment.

| Assignor 1 | Witness |
|--|---|
| Name Hugh McLaughlin | Name LISA A. McLaughlin |
| Signature  | Signature  |
| Date Sept 1, 2009 | Date 9/1/09 |