

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Todd Dana</td> <td>03/24/2010</td> </tr> <tr> <td>James W. Patten</td> <td>03/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Todd Dana	03/24/2010	James W. Patten	03/17/2010				
Name	Execution Date										
Todd Dana	03/24/2010										
James W. Patten	03/17/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Red Leaf Resources, Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>200 W. Civic Center Drive, Suite 190</td> </tr> <tr> <td><b>City:</b></td> <td>Sandy</td> </tr> <tr> <td><b>State/Country:</b></td> <td>UTAH</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>84070</td> </tr> </table>		<b>Name:</b>	Red Leaf Resources, Inc.	<b>Street Address:</b>	200 W. Civic Center Drive, Suite 190	<b>City:</b>	Sandy	<b>State/Country:</b>	UTAH	<b>Postal Code:</b>	84070
<b>Name:</b>	Red Leaf Resources, Inc.										
<b>Street Address:</b>	200 W. Civic Center Drive, Suite 190										
<b>City:</b>	Sandy										
<b>State/Country:</b>	UTAH										
<b>Postal Code:</b>	84070										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12704596</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12704596						
Property Type	Number										
<b>Application Number:</b>	12704596										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (801)566-0750</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-566-6633</p> <p>Email: wiseman@tnw.com</p> <p>Correspondent Name: Erik S. Ericksen</p> <p>Address Line 1: 8180 S. 700 E., Suite 350</p> <p>Address Line 4: Sandy, UTAH 84070</p>											
<b>ATTORNEY DOCKET NUMBER:</b>	2488-022.NP										
<b>NAME OF SUBMITTER:</b>	Erik S. Ericksen										
<p>Total Attachments: 3</p> <p>source=022Assignment#page1.tif</p> <p>source=022Assignment#page2.tif</p> <p>source=022Assignment#page3.tif</p>											

OP \$40.00 12704596

501144667

**PATENT**  
**REEL: 024215 FRAME: 0846**

WHEN RECORDED RETURN TO:  
Erik S. Ericksen, M.S.  
Thorpe North & Western, LLP  
P.O. Box 1219  
Sandy, UT 84091-1219

Docket No. 2488-022.NP

## ASSIGNMENT

WHEREAS, we, Todd Dana (resident of the State of UT, whose postal mailing address is 3473 W. Daybreaker Dr., Park City, UT 84098), and James W. Patten (resident of the State of UT, whose postal mailing address is 4216 E. Wildcreek Rd., Sandy, UT 84092), (hereinafter "Assignors") have invented a certain new and useful improvement in a **CONVECTIVE HEAT SYSTEMS FOR RECOVERY OF HYDROCARBONS FROM ENCAPSULATED PERMEABILITY CONTROL INFRASTRUCTURES** for which an application for United States Letters Patent is being filed concurrently herewith OR which was filed on 2/12/10 as THORPE NORTH & WESTERN, LLP Docket No. 2488-022.NP, and given U.S. Patent Application Serial No. 12,704,596; and

WHEREAS, Red Leaf Resources, Inc., a corporation, organized and existing under the laws of the State of Delaware, having a business address of 200 W. Civic Center Drive, Suite 190, Sandy, UT 84070, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said

invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissuing, extension, and infringement proceedings involving said invention.

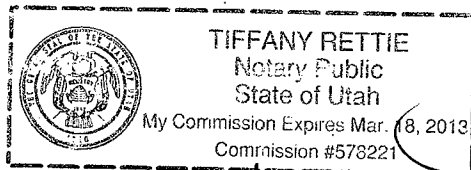
This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 27<sup>th</sup> day of MARCH, 2010 at PARK CITY, UT  
\_\_\_\_\_  
(place)

Todd Dana  
Todd Dana

STATE OF UTAH )  
County of SUMMIT ) : ss

Before me personally appeared Todd Dana and acknowledged the foregoing instrument to be his free act and deed this 27<sup>th</sup> day of MARCH, 2010.



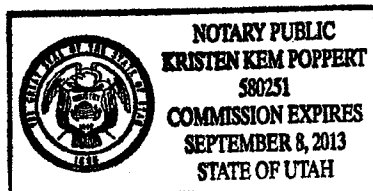
Tiffany Rettie  
Notary Public

Executed this 17<sup>th</sup> day of March, 2010 at Sandy, UT  
\_\_\_\_\_  
(place)

James W. Patten  
James W. Patten

STATE OF Utah )  
County of Salt Lake ) : ss

Before me personally appeared James W. Patten and acknowledged the foregoing instrument to be his free act and deed this 17<sup>th</sup> day of March, 2010.



Kristen Kem Poppert  
Notary Public