

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Alan K. Burnham | 06/23/2010 |
| Roger L. Day | 06/23/2010 |
| P. Henrick Wallman | 07/14/2010 |
| James R. McConaghy | 06/23/2010 |
| RECEIVING PARTY DATA | |
| Name: | American Shale Oil, LLC |
| Street Address: | 520 Broad Street |
| Internal Address: | 4th Floor |
| City: | Newark |
| State/Country: | NEW JERSEY |
| Postal Code: | 07102 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13039847 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 45519.0004 (830001.US2) |
| NAME OF SUBMITTER: | John W. Carpenter |

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Total Attachments: 7

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ASSIGNMENT

WHEREAS, we, Alan K. Burnham; Roger L. Day; P. Henrick Wallman; and James R. McConaghy, have made a certain new and useful invention relating to an IN SITU METHOD AND SYSTEM FOR EXTRACTION OF OIL FROM SHALE, for which we have made application for Letters Patent of the United States, said application being identified as Attorney Docket No. 45519.830001.US1, and United States Patent Application Serial No. 12/779,791, filed May 13, 2010;

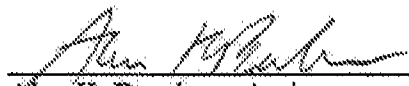
WHEREAS, American Shale Oil, LLC (hereinafter "Assignee"), a Delaware Corporation, whose post office address is 520 Broad Street, 4th Floor, Newark, NJ 07102, is desirous of acquiring the entire interest in and to said invention, said application, and any Letters Patent to be obtained therefor;

NOW THEREFORE, for valuable consideration, receipt and adequacy of which is hereby acknowledged, we have sold, assigned, and set over, and do hereby sell, assign, and set over, unto the Assignee and said Assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon including all original, divisional, continuation, continuation-in-part, reissue, certificate of reexamination, and related applications and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional

consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, renewal, continuing, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or chose in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

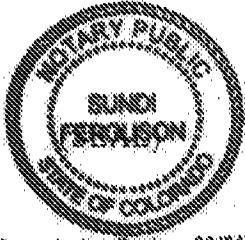
IN WITNESS WHEREOF, and having read this entire document including all prior pages, we have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: 6/23/10 
Alan K. Burnham, Assignor

STATE OF Colo.)
COUNTY OF Gerrard) ss.

Before me, a Notary Public in and for the said County and State, personally appeared Alan K. Burnham, known 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 23rd day of June, 2010.
My commission expires: 3/21/13.



My Commission Expires 03/21/2013

Attorney Docket No. 45519.830001.US1

[Signature]
Notary Public
110 E. 3rd St. Rm. C-8165A
Address

Date: 6/23/2010
[Signature]
Roger E. Day, Assignor

STATE OF Colo)
COUNTY OF Guthrie) ss.

Before me, a Notary Public in and for the said County and State, personally appeared Roger L. Day, known 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 23rd day of June, 2010.

My commission expires: 3/21/13



My Commission Expires 03/21/2013

[Signature]
Notary Public
110 E. 3rd St. Rm. C-8165A
Address

Date: _____
P. Henrick Wallman, Assignor

STATE OF _____)
COUNTY OF _____) ss.

Before me, a Notary Public in and for the said County and State, personally appeared P. Henrick Wallman, known to be the person whose name is subscribed to the

(SEAL)

Notary Public

Address

Date: _____

Roger L. Day, Assignor

STATE OF _____)

) ss.

COUNTY OF _____)

Before me, a Notary Public in and for the said County and State, personally appeared Roger L. Day, known 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 ___ day of _____, 2010.

My commission expires: _____.

(SEAL)

Notary Public

Address

Date: 7/14/2010

P. Henrick Wallman

P. Henrick Wallman, Assignor

STATE OF CALIFORNIA)

) ss.

COUNTY OF ALAMEDA)

Before me, a Notary Public in and for the said County and State, personally appeared P. Henrick Wallman, known 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 ____ day of _____, 2010.

My commission expires: _____.

(SEAL)

Notary Public

Address

Date: 6/23/2010

[Signature]
James R. McConaghy, Assignor

STATE OF Colo.)
COUNTY OF Berksheld) ss.

Before me, a Notary Public in and for the said County and State, personally appeared James R. McConaghy, known 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 23rd day of June, 2010.

My commission expires: 3/21/13.

(SEAL)



My Commission Expires 03/21/2013

[Signature]
Notary Public

110 E 3rd St, Rifle, CO 81650
Address

