

PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Michael C. Berg</td><td>02/13/2009</td></tr><tr><td>John H. Dise</td><td>02/06/2009</td></tr><tr><td>Kevin T. Petersen</td><td>02/05/2009</td></tr><tr><td>David Soane</td><td>02/06/2009</td></tr><tr><td>Kristoffer K. Stokes</td><td>02/13/2009</td></tr><tr><td>William Ware Jr.</td><td>02/18/2009</td></tr><tr><td>Atul C. Thakrar</td><td>02/25/2009</td></tr></tbody></table>		Name	Execution Date	Michael C. Berg	02/13/2009	John H. Dise	02/06/2009	Kevin T. Petersen	02/05/2009	David Soane	02/06/2009	Kristoffer K. Stokes	02/13/2009	William Ware Jr.	02/18/2009	Atul C. Thakrar	02/25/2009
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RECEIVING PARTY DATA																	
<table border="1"><tr><td>Name:</td><td>Soane Energy, LLC</td></tr><tr><td>Street Address:</td><td>35 Spinelli Place</td></tr><tr><td>City:</td><td>Cambridge</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02138</td></tr></table>		Name:	Soane Energy, LLC	Street Address:	35 Spinelli Place	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02138						
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PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
Fax Number: (978)251-3973 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 4: Westford, MASSACHUSETTS 01886																	
ATTORNEY DOCKET NUMBER:	4055.1010 US2																

CH \$40.00 12363369

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PATENT  
REEL: 022540 FRAME: 0166

NAME OF SUBMITTER:

Carolyn S. Elmore-Reg. No.: 37,567

**Total Attachments: 10**

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ASSIGNMENT

WHEREAS, we, **Michael C. Berg, John H. Disc, Kevin T. Petersen, David Soane, Kristoffer K. Stokes, William Ware, Jr. and Atul C. Thakrar**, have invented a certain improvement in **SYSTEMS AND METHODS FOR REMOVING FINELY DISPERSED PARTICULATE MATTER FROM A FLUID STREAM**, described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **January 30, 2009** as Application No. **12/363,369**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Soane Energy, LLC** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **35 Spinelli Place, Cambridge, Massachusetts 02138** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for 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 convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

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successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: \_\_\_\_\_  
**Michael C. Berg**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Michael C. Berg** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

Notary Public


(SEAL)

\_\_\_\_\_ (print name)

My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- 3 -

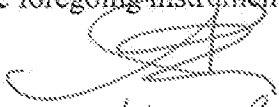
Inventor: \_\_\_\_\_

  
John H. Dise

State/Commonwealth

of MassachusettsCounty of Suffolk

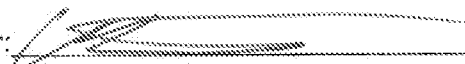
On this 16th day of February, 2009, before me, the undersigned notary public, personally appeared **John H. Dise** proved to me through satisfactory evidence of identification, which were personal knowledge to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

 Notary Public

(SEAL)

Ashley R. Ryan (print name)My Commission expires 3 / 28 / 2014


Inventor: \_\_\_\_\_

  
Kevin T. Petersen

State/Commonwealth

of MassachusettsCounty of Suffolk

On this 5th day of February, 2009, before me, the undersigned notary public, personally appeared **Kevin T. Petersen** proved to me through satisfactory evidence of identification, which were personal knowledge to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

 Notary Public

(SEAL)

Ashley R. Ryan (print name)My Commission expires 3 / 28 / 2014

- 4 -

Inventor: David Soane  
**David Soane**

State/Commonwealth  
 of Massachusetts  
 County of Suffolk

On this 6th day of February, 2009, before me, the undersigned notary public, personally appeared **David Soane** proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL)

Ashley R. Ryan Notary Public  
 (print name)  
 My Commission expires 3 / 28 / 2014

Inventor: \_\_\_\_\_  
**Kristoffer K. Stokes**

State/Commonwealth  
 of \_\_\_\_\_  
 County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Kristoffer K. Stokes** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL)

\_\_\_\_\_  
 (print name)  
 My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- 5 -

Inventor: \_\_\_\_\_  
William Ware, Jr.

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared William Ware, Jr. proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_(print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor:   
Atul C. Thakrar

State/Commonwealth  
of Massachusetts  
County of Suffolk

On this 25<sup>th</sup> day of February, 2009, before me, the undersigned notary public, personally appeared Atul C. Thakrar proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL)  Notary Public  
Ashley Ryan (print name)  
My Commission expires 3 / 28 / 2014

ASSIGNMENT

WHEREAS, we, **Michael C. Berg, John H. Disc, Kevin T. Petersen, David Soane, Kristoffer K. Stokes, William Ware, Jr. and Atul C. Thakrar**, have invented a certain improvement in **SYSTEMS AND METHODS FOR REMOVING FINELY DISPERSED PARTICULATE MATTER FROM A FLUID STREAM**, described in an application for Letters Patent of the United States, the specification of which:

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for 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 convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

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successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: \_\_\_\_\_

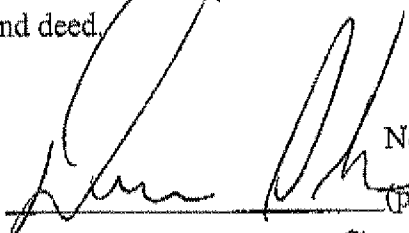
  
Michael C. Berg

State/Commonwealth

of MarylandCounty of PARROLL

On this 13<sup>th</sup> day of Feb, 2009, before me, the undersigned notary public, personally appeared **Michael C. Berg** proved to me through satisfactory evidence of identification, which were LIC, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL)

  
Notary Public

(print name)

My Commission expires 9/12/11

- 3 -

Inventor: \_\_\_\_\_  
**John H. Dise**

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **John H. Dise** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_(print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor: \_\_\_\_\_  
**Kevin T. Petersen**

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Kevin T. Petersen** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_(print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- 4 -

Inventor: \_\_\_\_\_  
**David Soane**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **David Soane** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

Notary Public

(SEAL)

\_\_\_\_\_ (print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor: \_\_\_\_\_  
**Kristoffer K. Stokes**

State/Commonwealth

of DelawareCounty of New Castle

On this 13<sup>th</sup> day of February, 2009, before me, the undersigned notary public, personally appeared **Kristoffer K. Stokes** proved to me through satisfactory evidence of identification, which were drivers license, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

Notary Public

(SEAL)


Sue Yukeravitch (print name)  
My Commission expires 4 / 22 / 10

- 5 -

Inventor:   
 William Ware, Jr.

State/Commonwealth  
 of Massachusetts  
 County of Suffolk

On this 18<sup>th</sup> day of February, 2009, before me, the undersigned notary public, personally appeared **William Ware, Jr.** proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.



Notary Public

(SEAL)

Ashley R. Ryan (print name)

My Commission expires 3 / 28 / 2014

Inventor: \_\_\_\_\_  
 Atul C. Thakrar

State/Commonwealth  
 of \_\_\_\_\_  
 County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Atul C. Thakrar** proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged that he executed the foregoing instrument as his free act and deed.

Notary Public

(SEAL)

\_\_\_\_\_(print name)

My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_