

04-07-2009



ET

103555386

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

4-2-09

**1. Name of conveying party(ies)**

Michael J. Rutsch and Bernie Duesel

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Heartland Technology Partners, LLC

Internal Address: P.O. Box 220842

St. Louis, MO 63122

Street Address: 9870 Big Bend Blvd.

City: St. Louis

State: Missouri

Country: United States Zip: 63122

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) January 20, 2009

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

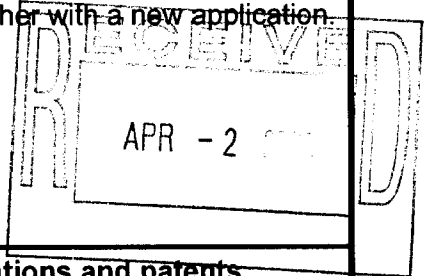
This document is being filed together with a new application.

**A. Patent Application No.(s)**

Serial #11/625002  
Serial #11/625022  
Serial #11/625159  
Serial #11/625024  
Serial #60/906743

**B. Patent No.(s)**

Additional numbers attached?  Yes  No



**5. Name and address to whom correspondence concerning document should be mailed:**

Name Jenkins & Kling, P.C., Attn: Keli Robertson

Internal Address: 10 S. Brentwood Blvd., Ste. 200

Clayton, MO 63105

Street Address: 10 S. Brentwood Blvd., Ste. 200

City: Clayton

State: Missouri Zip: 63105

Phone Number: 314-721-2525

Fax Number: 314-721-5525

Email Address: krobertson@jenkinskling.com

**6. Total number of applications and patents involved: 5**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$200.00**

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name 04/06/2009 DRYENE 00000048 11625002

01 FC:8021

200 00 00

**9. Signature:**

4/1/09

Date

Keli N. Robertson

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

11

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT OF INVENTORS RIGHTS**

Serial No.: 11/625002

Filed: 1/19/07

Title: Air Stripper

For Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (singly and collectively, the "Assignor") hereby assigns to Heartland Technology Partners, LLC, a Colorado limited liability company (together with its successors and assigns, the "Assignee"), the entire right, title and interest in the invention or improvements of the Assignor disclosed in an application for letters patent of the United States, executed by the Assignor and in said application and any and all other applications, both in the United States and in all other countries, which the Assignor may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and all other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The Assignor hereby authorizes and requests the Commissioner for Patents to issue said letters patent to the Assignee.

The Assignor represents and warrants itself to be the owner of the interest herein assigned and to have the right to make this assignment, and further represents and warrants that there are no outstanding prior assignments, licenses or other rights in the interest herein assigned except in favor of the Assignee.

For said consideration the Assignor hereby agrees, upon the request and at the expense of said Assignee, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in all other countries on said invention or improvements, that said Assignee may deem necessary or expedient and for said consideration the Assignor further agrees upon the request of Assignee, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the Assignor with said Assignee, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in all other countries, and vest all rights therein hereby conveyed in said Assignee, whereby said letters patent will be held and enjoyed by said Assignee, 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 and enjoyed by the Assignor if this assignment and sale had not been made.

TBD 2/26/09  
MR

Assignment of Inventors Rights

Page 1

IN WITNESS WHEREOF, the Assignor has executed this Assignment as of the 20<sup>th</sup> day of January, 2009.

"ASSIGNOR"

Michael J. Rutsch  
Print Name: Michael J. Rutsch

Bernie Duesel  
Print Name: Bernie Duesel

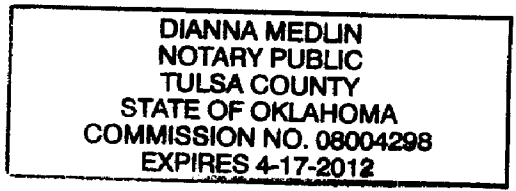
STATE OF Oklahoma )  
COUNTY OF Tulsa ) SS

On this 27 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Michael J. Rutsch, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

Dianna Medlin  
Notary Public

My Commission Expires:  
4-17-2012



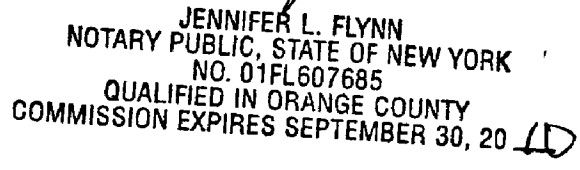
STATE OF New York )  
COUNTY OF Orange ) SS

On this 26 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Bernie Duesel, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

Jennifer L. Flynn  
Notary Public

My Commission Expires:  
9/30/2010



Assignment of Inventors Rights

**ASSIGNMENT OF INVENTORS RIGHTS**

Serial No.: 11/625022

Filed: 1/19/07

**Title: Cooling Tower**

For Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (singly and collectively, the "Assignor") hereby assigns to Heartland Technology Partners, LLC, a Colorado limited liability company (together with its successors and assigns, the "Assignee"), the entire right, title and interest in the invention or improvements of the Assignor disclosed in an application for letters patent of the United States, executed by the Assignor and in said application and any and all other applications, both in the United States and in all other countries, which the Assignor may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and all other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The Assignor hereby authorizes and requests the Commissioner for Patents to issue said letters patent to the Assignee.

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For said consideration the Assignor hereby agrees, upon the request and at the expense of said Assignee, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in all other countries on said invention or improvements, that said Assignee may deem necessary or expedient and for said consideration the Assignor further agrees upon the request of Assignee, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the Assignor with said Assignee, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in all other countries, and vest all rights therein hereby conveyed in said Assignee, whereby said letters patent will be held and enjoyed by said Assignee, 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 and enjoyed by the Assignor if this assignment and sale had not been made.

JBF 2/26/09  
MR

Assignment of Inventors Rights

Page 1

IN WITNESS WHEREOF, the Assignor has executed this Assignment as of the 20<sup>th</sup> day of January, 2009.

"ASSIGNOR"

*Michael J. Rutsch*

Print Name: Michael J. Rutsch

*B. Duesel*

Print Name: Bernie Duesel

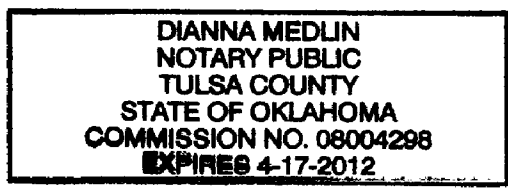
STATE OF Oklahoma )  
 ) SS  
COUNTY OF Tulsa )

On this 27 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Michael J. Rutsch, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

*Dianna Medlin*  
Notary Public

My Commission Expires:  
4-17-2012



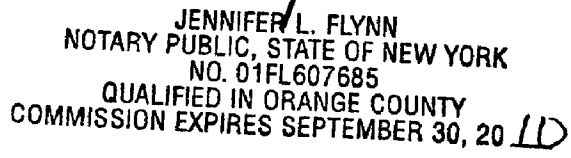
STATE OF New York )  
 ) SS  
COUNTY OF Orange )

On this 26 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Bernie Duesel, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

*Jennifer L. Flynn*  
Notary Public

My Commission Expires:  
9/30/2010



Assignment of Inventors Rights

**ASSIGNMENT OF INVENTORS RIGHTS**

Serial No.: 11/625159

Filed: 1/19/07

Title: Desalination System

For Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (singly and collectively, the "Assignor") hereby assigns to Heartland Technology Partners, LLC, a Colorado limited liability company (together with its successors and assigns, the "Assignee"), the entire right, title and interest in the invention or improvements of the Assignor disclosed in an application for letters patent of the United States, executed by the Assignor and in said application and any and all other applications, both in the United States and in all other countries, which the Assignor may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and all other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The Assignor hereby authorizes and requests the Commissioner for Patents to issue said letters patent to the Assignee.

The Assignor represents and warrants itself to be the owner of the interest herein assigned and to have the right to make this assignment, and further represents and warrants that there are no outstanding prior assignments, licenses or other rights in the interest herein assigned except in favor of the Assignee.

For said consideration the Assignor hereby agrees, upon the request and at the expense of said Assignee, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in all other countries on said invention or improvements, that said Assignee may deem necessary or expedient and for said consideration the Assignor further agrees upon the request of Assignee, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the Assignor with said Assignee, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in all other countries, and vest all rights therein hereby conveyed in said Assignee, whereby said letters patent will be held and enjoyed by said Assignee, 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 and enjoyed by the Assignor if this assignment and sale had not been made.

TSFO 2/26/09  
MK

Assignment of Inventors Rights

Page 1

IN WITNESS WHEREOF, the Assignor has executed this Assignment as of the 20<sup>th</sup> day of January, 2009.

"ASSIGNOR"

*Michael J. Rutsch*

Print Name: Michael J. Rutsch

*MICHAEL Rutsch*

*B. Duesel*

Print Name: Bernie Duesel

STATE OF oklahoma )  
 ) SS  
COUNTY OF Tulsa )

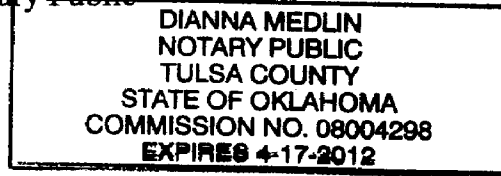
On this 27 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Michael J. Rutsch, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

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*Dianna Medlin*

Notary Public

My Commission Expires:  
4-17-2012



STATE OF NEW YORK )  
 ) SS  
COUNTY OF Orange )

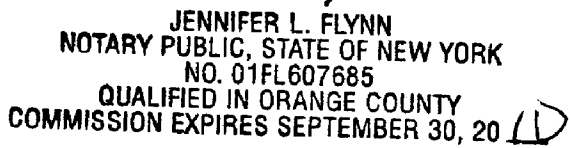
On this 20 day of ~~January~~ <sup>February</sup>, 2009, before me, a notary public in and for the County and State aforesaid, appeared Bernie Duesel, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

*Jennifer L. Flynn*

Notary Public

My Commission Expires:  
9/30/2010



Assignment of Inventors Rights

Page 2

**ASSIGNMENT OF INVENTORS RIGHTS**

Serial No.: 11/625024

Filed: 1/19/07

Title: Fluid Scrubber

For Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (singly and collectively, the "Assignor") hereby assigns to Heartland Technology Partners, LLC, a Colorado limited liability company (together with its successors and assigns, the "Assignee"), the entire right, title and interest in the invention or improvements of the Assignor disclosed in an application for letters patent of the United States, executed by the Assignor and in said application and any and all other applications, both in the United States and in all other countries, which the Assignor may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and all other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

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*BFD 2/26/09  
MR*

Assignment of Inventors Rights

Page 1





**ASSIGNMENT OF INVENTORS RIGHTS**

Serial No.: 60/906743

Filed: 3/13/07

Title: Wastewater Concentrator

For Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned (singly and collectively, the "Assignor") hereby assigns to Heartland Technology Partners, LLC, a Colorado limited liability company (together with its successors and assigns, the "Assignee"), the entire right, title and interest in the invention or improvements of the Assignor disclosed in an application for letters patent of the United States, executed by the Assignor and in said application and any and all other applications, both in the United States and in all other countries, which the Assignor may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and all other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

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*BFD 2/26/09*  
*MR*

Assignment of Inventors Rights

Page 1

IN WITNESS WHEREOF, the Assignor has executed this Assignment as of the 20<sup>th</sup> day of January, 2009.

"ASSIGNOR"

*Michael J. Rutsch*

Print Name: Michael J. Rutsch

*B. Duesel*

Print Name: Bernie Duesel

STATE OF Oklahoma )  
 ) SS  
COUNTY OF Tulsa )

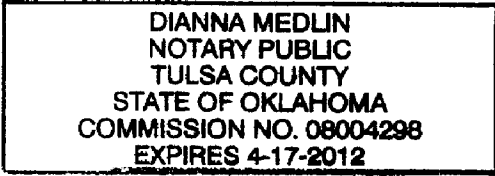
On this 27 day of <sup>February</sup> ~~January~~, 2009, before me, a notary public in and for the County and State aforesaid, appeared Michael J. Rutsch, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

*Dianna Medlin*

Notary Public

My Commission Expires:  
4-17-2012



STATE OF New York )  
 ) SS  
COUNTY OF Orange )

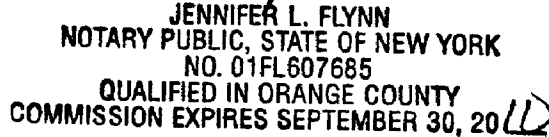
On this 21 day of <sup>February</sup> ~~January~~, 2009, before me, a notary public in and for the County and State aforesaid, appeared Bernie Duesel, personally known to me, and who stated that he executed the above instrument as his free act and deed for the purposes therein stated.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

*Jennifer L. Flynn*

Notary Public

My Commission Expires:  
9/30/2010



Assignment of Inventors Rights