

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2745845

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>ELECTRUM PARTNERS, LLC</td> <td>12/22/2008</td> </tr> </tbody> </table>		Name	Execution Date	ELECTRUM PARTNERS, LLC	12/22/2008						
Name	Execution Date										
ELECTRUM PARTNERS, LLC	12/22/2008										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>HEARTLAND TECHNOLOGY PARTNERS, LLC</td> </tr> <tr> <td>Street Address:</td> <td>9870 BIG BEND ROAD</td> </tr> <tr> <td>City:</td> <td>KIRKWOOD</td> </tr> <tr> <td>State/Country:</td> <td>MISSOURI</td> </tr> <tr> <td>Postal Code:</td> <td>63122</td> </tr> </table>		Name:	HEARTLAND TECHNOLOGY PARTNERS, LLC	Street Address:	9870 BIG BEND ROAD	City:	KIRKWOOD	State/Country:	MISSOURI	Postal Code:	63122
Name:	HEARTLAND TECHNOLOGY PARTNERS, LLC										
Street Address:	9870 BIG BEND ROAD										
City:	KIRKWOOD										
State/Country:	MISSOURI										
Postal Code:	63122										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12043786</td> </tr> <tr> <td>Application Number:</td> <td>13072264</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12043786	Application Number:	13072264				
Property Type	Number										
Application Number:	12043786										
Application Number:	13072264										
CORRESPONDENCE DATA											
Fax Number:	(312)474-0448										
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Email:	docket@marshallip.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	MARSHALL, GERSTEIN & BORUN LLP										
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Address Line 2:	SUITE 6300										
Address Line 4:	CHICAGO, ILLINOIS 60606										
ATTORNEY DOCKET NUMBER:	31628/30007A AND 30007B										
NAME OF SUBMITTER:	NICK FAIRMAN										
Signature:	/Nick Fairman/										
Date:	02/27/2014										

PATENT

Total Attachments: 5

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PATENT ASSIGNMENT

1. WHEREAS, **Electrum Partners, LLC**, a limited liability company duly organized and existing under and by virtue of the laws of the New Jersey (hereinafter referred to as "Assignor"), has filed certain patents and patent applications of the United States and other countries covering the inventions disclosed therein; and

2. WHEREAS, **Heartland Technology Partners, LLC**, a limited liability company duly organized and existing under and by virtue of the laws of the State of Colorado (hereinafter referred to as "Assignee"), is desirous of acquiring Assignor's rights in such patent applications;

3. NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration by Assignee to Assignor in hand paid, receipt of all of which is hereby acknowledged, Assignor has agreed to and does hereby sell, assign and transfer, without representation or warranty, unto Assignee, its successors and assigns, all of Assignors right, title and interest in and throughout the world, in and to said patent applications and all reissues thereof and reexamination certificates therefore, and the inventions disclosed therein, including Assignors full right to sue for and recover all damages recoverable from past infringements of said patents and patent applications; including specifically, without limiting the generality of the foregoing, the United States patents and patent applications listed below; and Assignor has further agreed to and does hereby sell, assign and transfer, without representation or warranty, unto Assignee, its successors and assigns, all of Assignors right, title and interest in and throughout the world, in and to said inventions, any other applications (including provisional, non provisional, divisional, continuing, continuing-in-part, or reissue application) based in whole or in part on said inventions, and any and all patents (including extensions thereof) and patent applications of any country which have been or may be granted on any of the aforesaid applications or on said inventions or any part thereof; including, specifically, without limiting the generality of the foregoing, the patents and patent applications listed below.

4. TO BE HELD AND ENJOYED BY Assignee, its successors and assigns, to the full ends of the respective terms for which said patents have been or may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor had this sale and assignment not been made.

5. AND Assignor hereby agrees to execute without further consideration any further lawful documents and any further assurances, and any provisional, nonprovisional, divisional, continuing, continuing-in-part, reissue application or other applications for patents of any country, that may be deemed necessary by said Assignee, its successors or assigns, fully to secure its interest as aforesaid in and to said inventions or any part thereof, and in and to said several patents and patent applications or any of them.

6. THE PENDING U.S. PATENT APPLICATIONS ARE AS FOLLOWS:

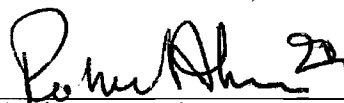
- A. US Patent Application, "Waste Heat Recovery System" (filed 4-28-2005); Serial #11/114822;
- B. US Patent, "Gas induction Bustle for use with a Flare or Exhaust Stack." Patent No. US 7,442,035 B2; issue date: October 28, 2008;
- C. US Patent Application, "Air Stripper" (filed 1/19/2007); Serial #11/625002;

- D. US Patent Application, "Cooling Tower" (filed 1/19/2007); Serial #11/625022;
- E. US Patent Application, "Desalination System" (filed 1/19/2007); Serial #11/625159;
- F. US Patent Application, "Fluid Scrubber" (filed 1/19/2007); Serial #11/625024;
- G. US Patent Application, "Methods of Reducing Greenhouse Gases & Generating Carbon Credits" (filed 3/6/2007); Serial #60/893345;
- H. US Patent Application, "Wastewater Concentrator" (filed 3/13/2007); Serial #60/906743.

7. IN WITNESS WHEREOF, Assignor has caused these presents to be executed by its officer thereunto duly authorized this 22nd day of December, 2008.

"ASSIGNOR"


ELECTRUM PARTNERS, LLC

By: 
Robert F. Irwin, IV, Manager

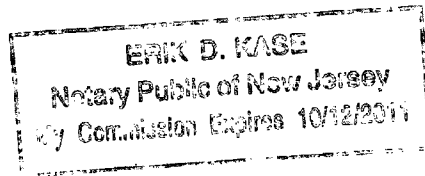
STATE OF NEW JERSEY)
COUNTY OF Burlington) SS.

On this 26 day of Dec, 2008, before me, a Notary Public in and for said state, personally appeared Robert F. Irwin, IV, manager of Electrum Partners, LLC, a limited liability company of the State of New Jersey, known to me to be the person who executed the within document in behalf of said limited liability company and acknowledged to me that he executed the same 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.


Notary Public

My Commission Expires:





UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 07, 2009

PTAS - HT



103555385A

JENKINS & KLING, P.C.
ATTN: KELI ROBERTSON
10 S. BRENTWOOD BLVD., STE. 200
CLAYTON, MO 63105

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 04/02/2009

REEL/FRAME: 022482/0807
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ELECTRUM PARTNERS, LLC

DOC DATE: 12/22/2008

ASSIGNEE:

HEARTLAND TECHNOLOGY PARTNERS, LLC
9870 BIG BEND BLVD.
P.O. BOX 220842
ST. LOUIS, MISSOURI 63122

SERIAL NUMBER: 11114822
PATENT NUMBER:
TITLE: WASTE HEAT RECOVERY SYSTEM

FILING DATE: 04/26/2005
ISSUE DATE:

SERIAL NUMBER: 11625002
PATENT NUMBER:
TITLE: AIR STRIPPER

FILING DATE: 01/19/2007
ISSUE DATE:

SERIAL NUMBER: 11625022
PATENT NUMBER:
TITLE: COOLING TOWER

FILING DATE: 01/19/2007
ISSUE DATE:

SERIAL NUMBER: 11625159
PATENT NUMBER:
TITLE: DESALINATION SYSTEM

FILING DATE: 01/19/2007
ISSUE DATE:

SERIAL NUMBER: 11625024
PATENT NUMBER:
TITLE: FLUID SCRUBBER

FILING DATE: 01/19/2007
ISSUE DATE:

SERIAL NUMBER: 60893345
PATENT NUMBER:
TITLE: METHOD OF REDUCING GREENHOUSE GASES AND GENERATING CARBON CREDITS

FILING DATE: 03/06/2007
ISSUE DATE:

SERIAL NUMBER: 60906743
PATENT NUMBER:
TITLE: WASTEWATER CONCENTRATOR

FILING DATE: 03/13/2007
ISSUE DATE:

SERIAL NUMBER: 11114493
PATENT NUMBER: 7442035
TITLE: GAS INDUCTION BUSTLE FOR USE WITH A FLARE OR EXHAUST STACK

FILING DATE: 04/26/2005
ISSUE DATE: 10/28/2008

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

04-07-2009

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103555385

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

50.2.09

1. Name of conveying party(ies)

Electrum Partners, LLC

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

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

Execution Date(s) December 22, 2008

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

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

4. Application or patent number(s):

This document is being filed together with a new application.

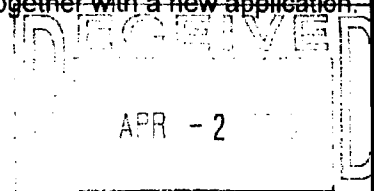
A. Patent Application No. (s)

Serial #11/114822 Serial #60/893345
 Serial #11/625002 Serial #60/906743
 Serial #11/625022
 Serial #11/625159
 Serial #11/625024

B. Patent No. (s)

Patent No. US 7,442,035 B2

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: 8

7. Total fee (37 CFR 1.21(h) & 3.41) \$320.00

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

8. Payment Information

Deposit Account Number

04/06/2009 DRYNE 00000047 11114822

Authorized User Name

01 FC:0021 320.00 00

9. Signature:

Signature

4/1/09

Date

Keli N. Robertson
Name of Person Signing

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

3

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