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

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.

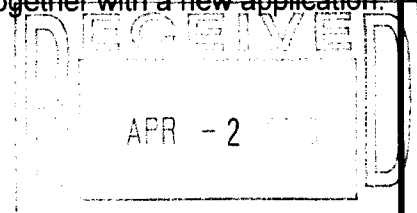
A. Patent Application No.(s)

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 DEBYNE 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

PATENT  
REEL: 022482 FRAME: 0807

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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 22<sup>nd</sup> 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:  
\_\_\_\_\_

