

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	06/26/2008

**CONVEYING PARTY DATA**

Name	Execution Date
Song Jin	06/27/2008
Paul H. Fallgren	06/26/2008
Jeffrey M. Morris	06/26/2008

**RECEIVING PARTY DATA**

Name:	The University of Wyoming Research Corporation d/b/a Western Research Institute
Street Address:	365 North 9th Street
City:	Laramie
State/Country:	WYOMING
Postal Code:	82072-3380

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12666625

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	WRI-SOURCETR-USNP
NAME OF SUBMITTER:	Cheryl A. Swanson

Total Attachments: 8

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**OP \$40.00 12666625**

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE  
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Application Number: 12/666,625  
Filed: 12/23/2009  
Applicant: The University of Wyoming Research Corporation d/b/a Western  
Research Institute  
Inventors: Song Jin, Paul H. Fallgren, Jeffrey M. Morris  
Title: Treatment and Prevention Systems for Acid Mine Drainage and  
Halogenated Contaminants  
Attorney Docket: WRI-SourceTR- USNP  
Customer No.: 33549  
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**ASSIGNMENT OF PATENT RIGHTS**

THIS ASSIGNMENT document is made effective as of the 26 day of June, 2008, between and among the following persons, each with the indicated residence address:

Song Jin, whose address is: 1203 Nassau Way, Fort Collins, CO 80525, US.;

Paul H. Fallgren, whose address is: 1109 Renshaw Street, Laramie, WY 82072, US;

Jeffrey M. Morris, whose address is: 165 Wind River Road, Laramie, WY 82070, US

(individually and collectively the "Assignor" or "Assignors") and The University of Wyoming Research Corporation d/b/a Western Research Institute, having its principal office at 365 North 9<sup>th</sup> Street, Laramie, WY 82072-3380, USA, (the "Assignee").

WHEREAS, the Assignors have each contributed to some degree in conceiving or developing technology relating to treatment and prevention systems for acid mine drainage and halogenated contaminants including, but not limited to, the technology initially described or indicated in the application identified by the caption listed above, and also including for the purpose of this assignment those improvements which are related to the subject matter of such technology to the extent conceived or developed during the time serving as a consultant or employee of the Assignee, or its subsidiaries, affiliates, or related parties, and to improvements related to such technology which are identified, developed, or conceived using trade secret or confidential information of the Assignee or which are likely to cause disclosure of such trade secret or confidential information (the "Invention");

WHEREAS, each Assignor, either by himself or in conjunction with other individuals, may be an inventor of the Invention;

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WHEREAS, each Assignor acknowledges all his right, title and interest in any and all patent rights and any other proprietary rights in the Invention was vested in the Assignee; and

WHEREAS, each Assignor desires to formalize his obligation for assignment of all right, title and interest to the Invention to Assignee to the extent he has any such rights worldwide; and


WHEREAS, each Assignor acknowledges his obligation to assign all right, title and interest in any and all patent rights and any other proprietary rights in the Invention, to Assignee;

NOW, THEREFORE, for US \$10.00 or other good and valuable consideration, receipt of which is hereby acknowledged, each of the undersigned hereby agree as follows:

1. Each Assignor warrants that:
  - a. he has the authority to assign all right, title, and interest originated now or hereafter by him involving the Invention;
  - b. he has conveyed no right, title, or interest in the Invention to any party other than the Assignee;
  - c. to the extent any Assignor conducted any efforts relevant to the ownership of all rights to the Invention under, on behalf of, or through any entity or assumed name, he has the authority to act as agent for such an entity and to fully transfer such rights; and
  - d. at the time of signing of this Assignment, he neither knows nor has reason to know of any outstanding right, title, or interest in the Invention inconsistent with a full assignment of rights to the Assignee other than any right, title, or interest which may exist as a result of any other's coinventorship.

2. Each Assignor, for good and valuable consideration, hereby sells, grants, transfers, authorizes application for, agrees to support, and assigns to the Assignee the entire right, title, and interest in and to the Invention, including, but not limited to:

- a. all such worldwide rights to make, use, and sell the Invention;
- b. all rights to make, own, and control any applications for United States or foreign patents relating to or based upon the Invention, including, but not limited to: all rights to the above-identified application, all rights to make any claim for any priority to which such applications may be entitled, all rights to any continuing application(s), divisional application(s), substitution application(s), continuation application(s), continuation-in-part application(s), national phase application(s), regional phase application(s), foreign

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application(s); and all patents which may be granted thereon; and all reissues, extensions, or other related rights related thereto;

c. all related rights involving the Invention in any country such as utility-model registrations, inventor's certificates, and the like, and all rights, titles, and interests involving the Invention under any foreign government;

d. all rights to any documents, notes, and evidence regarding any aspect of the Invention; and

e. all rights to seek protection covering such aspects or claims as the Assignee deems appropriate, specifically, including, but not limited to: claims which seek protection for device, apparatus, method, process, business method, or other coverage; claims which seek protection for as broad a level of coverage as might be desired by the Assignee; claims which address any aspect conceived, developed, or disclosed as separate inventions; claims which address any permutations or combinations of any aspects; claims which address any aspects independent of any initial context considered as preferred embodiments; and claims which seek broad protection in general.

3. Each Assignor acknowledges a legal and equitable obligation to assign to the Assignee any and all patent rights and any other proprietary rights related to the Invention to the extent conceived (even if later reduced to practice) or developed while he is an employee or consultant of the Assignee or its subsidiaries, affiliates, or related parties, and covenants that he has not and will not execute any agreement in conflict with this Assignment and will not offer any opinions, or take or assist in taking any actions which might tend to diminish the scope of protection available to the Assignee. Further, each Assignor warrants that other than rights of the Assignee, he maintains the entire right, title, and interest in and to the Invention as may exist by virtue of his contribution and has made no conveyance of any rights whatsoever to any other person. Each Assignor also covenants that he will promptly and continuously inform the Assignee of any articles, patents, or other references, or prior art of which he becomes aware which may be material to the assessment of patentability of the Invention.

4. Each Assignor further covenants and agrees that he will communicate to the Assignee any facts known to him respecting any improvements involving or in any way related to the Invention, and will testify in any legal proceeding, sign all lawful papers, execute all division, continuation, continuation-in-part, substitute, foreign, or reissue applications, make all rightful oaths, and generally do everything possible to aid the Assignee to obtain and enforce full protection and title in and to said Invention in all countries without further consideration but at the expense of the Assignee.

5. Each Assignor acknowledges that pursuant to the sale, grant, transfer, and assignment to the Assignee of the entire right, title, and interest in and to the Invention, as provided in the above paragraphs, this assignment shall be complete as to all rights owned. As such, each Assignor

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consents to a waiver of any and all access rights to any applications for United States or foreign patents relating to the Invention, and including but not limited to the above-identified application, and to any division, substitution, continuation, continuation-in-part, national phase, or regional phase, of such applications, all related access rights involving the Invention in any country such as utility-model registrations, inventor's certificates and the like, and all access rights, titles, and interests involving the Invention under any foreign government, to the extent permissible. Access rights may particularly include: any and all rights to any files, documents, notes, or evidence regarding any aspect of the prosecution of the Invention in the United States or foreign countries; any right to obtain, view or copy in any form the files, documents, notes, or evidence related to prosecution history or status of any application for United States or foreign patents relating to the Invention; any other right to obtain information relating to prosecution history, or status of any application for United States, or foreign patents relating to the Invention. Each Assignor also further covenants and agrees that he will sign all lawful papers, consents, and generally do everything possible to aid the Assignee in petitioning waiver of access of each Assignor to the United States or foreign patent offices of any and all applications for United States or foreign patents relating to the invention, as provided above.

6. Each Assignor recognizes that each feature of all designs which relate to the Invention and all associated information, including but not limited to patent prosecution information such as amendments to the claims, supporting affidavits, or the like, shall be considered confidential, whether labeled as such or not, whether disclosed before or after entering into this Assignment, whether of a technical, business, or legal nature including but not limited to any aspects relevant to any prosecution of a patent application in any country, and whether discovered by explicit disclosure or mere inspection of any item or facility. In addition, it is agreed that the Invention and its associated information represent trade secrets and may become subject to patent, trademark, or other additional proprietary protection. In recognition of such existing and potential proprietary rights which exist or may be obtained, each Assignor agrees to take all reasonable steps to maintain, continue, and protect the secrecy of the Invention and all related information as he may possess, to subject his employees to like restrictions, and to subject any third persons to which he discloses information to like restrictions. Each Assignor may disclose the information to any of its employees or other persons only as appropriate as determined by the Assignee. Each Assignor agrees not to utilize, exploit, or incorporate any of the information for his own benefit directly or indirectly except as expressly agreed by the Assignee in writing.


7. Each Assignor grants the firm of Santangelo Law Offices, P.C., the power to insert on this Assignment or any other document any further identification which may be necessary or desirable such as to indicate filing information or to comply with the rules of the United States Patent Office or any foreign patent office for recordation of this document, including, but not limited to, inserting the application number, the execution date, mailing information, or the filing date of the above-identified United States Patent Application.

8. This assignment shall be binding on all parties, their heirs, executors, administrators, successors, or assigns, and may be recorded in the United States Patent and Trademark Office or

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elsewhere. In the event any provision of this Agreement is found to be unenforceable or to be unreasonable in scope, such provision shall be modified to the extent necessary to make it enforceable, and as so modified, this Agreement shall remain in full force and effect.

9. This Agreement shall be construed and enforced in accordance with the laws and jurisdiction of the State of Colorado or under the federal laws of the United States to the extent they supersede state law. In the event any claim or controversy arises under this agreement or the parties' relationship, the parties agree to submit to exclusive jurisdiction and venue for the resolution of such dispute in the District Court of Larimer County, Colorado, or to the extent necessary in federal court in the District of Colorado, United States of America.

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SIGNATURES:

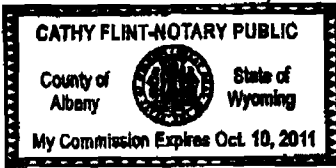
[Signature]  
Song Jin

Date of Assignment Signature: 6/27/2008  
Date of Execution of Application: 6/27/2008  
(signing the Declaration)

UNITED STATES OF AMERICA )  
STATE OF Wyoming )ss.  
COUNTY OF Albany )

SUBSCRIBED AND AFFIRMED OR SWORN TO before me in the County of Albany  
State of Wyoming, United States of America, by Song Jin, this \_\_\_ day of June, 2008.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary  
Public by the State of Wyoming.



Gathy Flint  
Notary Public  
Address (Required) 305 N 9th St  
Lawrence, OK 73045  
My Commission Expires: 10-10-11

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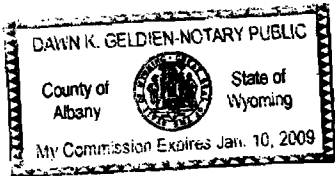
*Paul H. Fallgren*  
Paul H. Fallgren

Date of Assignment Signature: 6/26/08  
Date of Execution of Application: 6/26/08  
(signing the Declaration)

UNITED STATES OF AMERICA )  
STATE OF WYOMING )ss.  
COUNTY OF ALBANY )

SUBSCRIBED AND AFFIRMED OR SWORN TO OR ACKNOWLEDGED before me in the County of Albany, State of Wyoming, United States of America, by Paul H. Fallgren, this day of June, 2008.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary Public by the State of Wyoming.



*Dawn K. Geldien*  
Notary Public  
Address (Required) 365 North 9th Street,  
Laramie, WY 82072  
My Commission Expires: Jan 10, 2009

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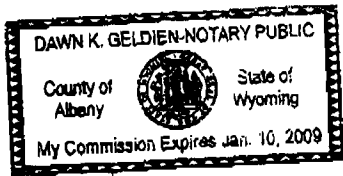
Jeffrey M. Morris  
Jeffrey M. Morris

Date of Assignment Signature: 6-26-08  
Date of Execution of Application: \_\_\_\_\_  
(signing the Declaration)

UNITED STATES OF AMERICA )  
STATE OF WYOMING )ss.  
COUNTY OF ALBANY )

SUBSCRIBED AND AFFIRMED OR SWORN TO OR ACKNOWLEDGED before me in the County of Albany, State of Wyoming, United States of America, by Jeffrey M. Morris, this day of June, 2008.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary Public by the State of Wyoming.



Dawn K. Geldien  
Notary Public  
Address (Required) 315 North 9th Street,  
Laramie Wyoming 82072  
My Commission Expires: January 10, 2009

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