

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Song Jin</td><td>08/14/2006</td></tr><tr><td>Alan E. Bland</td><td>08/14/2006</td></tr></tbody></table>		Name	Execution Date	Song Jin	08/14/2006	Alan E. Bland	08/14/2006				
Name	Execution Date										
Song Jin	08/14/2006										
Alan E. Bland	08/14/2006										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>University of Wyoming Research Corporation dba Western Research Institute</td></tr><tr><td>Street Address:</td><td>365 North 9th Street</td></tr><tr><td>City:</td><td>Laramie</td></tr><tr><td>State/Country:</td><td>WYOMING</td></tr><tr><td>Postal Code:</td><td>82072-3380</td></tr></table>		Name:	University of Wyoming Research Corporation dba Western Research Institute	Street Address:	365 North 9th Street	City:	Laramie	State/Country:	WYOMING	Postal Code:	82072-3380
Name:	University of Wyoming Research Corporation dba Western Research Institute										
Street Address:	365 North 9th Street										
City:	Laramie										
State/Country:	WYOMING										
Postal Code:	82072-3380										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11990417</td></tr></tbody></table>		Property Type	Number	Application Number:	11990417						
Property Type	Number										
Application Number:	11990417										
CORRESPONDENCE DATA											
Fax Number: (970)224-3175 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 970-224-3175											
Email: bschroeer@idea-asset.com											
Correspondent Name: Santangelo Law Offices											
Address Line 1: 125 South Howes											
Address Line 2: Third Floor											
Address Line 4: Fort Collins, COLORADO 80521											
ATTORNEY DOCKET NUMBER:	WRI-COALD-USNP										
NAME OF SUBMITTER:	Nicole A. Ressue										
Total Attachments: 7 source=Assign-Bland-Jin#page1.tif source=Assign-Bland-Jin#page2.tif											

OP \$40.00 11990417

500474255

PATENT  
REEL: 020570 FRAME: 0824

source=Assign-Bland-Jin#page3.tif  
source=Assign-Bland-Jin#page4.tif  
source=Assign-Bland-Jin#page5.tif  
source=Assign-Bland-Jin#page6.tif  
source=Assign-Bland-Jin#page7.tif

---

IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE  
PCT BRANCH

---

In Re the Application of: University of Wyoming Research Corporation d/b/a  
Western Research Institute

Inventors: Song Jin, Alan E. Bland, Herbert S. Price

International Application Number: PCT/US2006/031723  
International Filing Date: 14 August 2006

Original US Application: 60/707,697  
Earliest Priority Date: 12 August 2005 (12.08.2005)

Title: Systems for Enhancement of Biogenic Methane  
Production

Receiving Office: RO/US

Attorney Docket: WRI-CoalD-PCT

---

**ASSIGNMENT OF PATENT RIGHTS**

THIS ASSIGNMENT document is made effective as of the 14th day of August, 2006,  
between and among Song Jin, and Alan E. Bland, whose addresses are:

- Song Jin, 1902 Beaufort Street, Laramie, WY 82072, US,
- Alan E. Bland, 1067 Alta Vista Drive, Laramie, WY 82072, US

(individually and collectively the "Assignor" or "Assignors") and 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, (the "Assignee").

WHEREAS, the Assignors have each contributed to some degree in conceiving or developing technology relating to systems for enhanced methane production including, but not limited to, the

WRI-CoalDPCT-Assign

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;

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 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 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/she 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

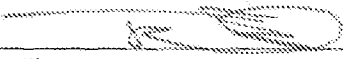
subject his employees to like restrictions, and to subject any third persons to which he discloses information to like restrictions. Each Assignor may disclose the information to any of its employees or other persons only as appropriate as determined by the Assignee. Each Assignor agrees not to utilize, 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 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.

SIGNATURES:

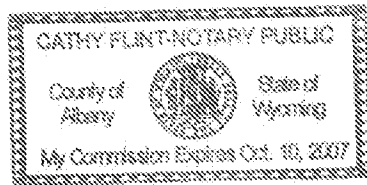
  
\_\_\_\_\_  
Song Jin

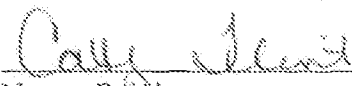
Date of Assignment Signature: 8/14/2006  
Date of Execution of Application: 8/14/2006  
(signing the Declaration)

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 Song Jin this 14 day of August, 2006.

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



  
\_\_\_\_\_  
Notary Public

Address (Required) 262 N. Pierce  
Laramie, WY 82002  
My Commission Expires: 10-10-07



Alan E. Bland  
Alan E. Bland

Date of Assignment Signature: 8-14-06

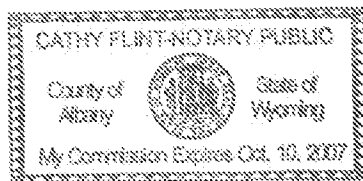
Date of Execution of Application: 8-14-06

(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 Alan E. Bland, this 14 day of August, 2006.

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



Cathy Flint  
Notary Public

Address (Required) 2122 N. Pierce

Laramie, WY 82070

My Commission Expires: 10-10-07

WRI-CoalDPCT-Assign