

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Christopher Post</td> <td>01/14/2011</td> </tr> <tr> <td>John William Costerton</td> <td>01/14/2011</td> </tr> <tr> <td>Garth David Ehrlich</td> <td>01/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	James Christopher Post	01/14/2011	John William Costerton	01/14/2011	Garth David Ehrlich	01/14/2011				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Allegheny-Singer Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>320 East North Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>10th Floor</td> </tr> <tr> <td>City:</td> <td>Pittsburgh</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>15212</td> </tr> </table>		Name:	Allegheny-Singer Research Institute	Street Address:	320 East North Avenue	Internal Address:	10th Floor	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15212
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CORRESPONDENCE DATA													
<p>Fax Number: (412)281-0717</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-454-5000</p> <p>Email: docketingpgh@pepperlaw.com</p> <p>Correspondent Name: Pepper Hamilton LLP</p> <p>Address Line 1: BNY Mellon Center, 50th Floor</p> <p>Address Line 2: 500 Grant Street</p> <p>Address Line 4: Pittsburgh, PENNSYLVANIA 15219</p>													
ATTORNEY DOCKET NUMBER:	135601.00401												
NAME OF SUBMITTER:	James M. Singer, Reg. No. 45,111												
Total Attachments: 4													

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ASSIGNMENT

WHEREAS James Christopher Post, having an address of 305 Green Lake Drive, Mars, Pennsylvania 16046, Garth David Ehrlich, having an address of 3319 Beechwood Boulevard, Pittsburgh Pennsylvania 15217 and John William Costerton, having an address of 100 Anderson Street, Apt. 533, Pittsburgh, Pennsylvania 15212 are the inventors of a certain new and useful invention as set forth and disclosed in an application, entitled **BIOFILM REMEDIATION OF ACID MINE DRAINAGE**, which [] is filed concurrently herewith or [X] was filed on July 2, 2010 as U.S. Patent Application No. 12/ 829,842 and claims priority to U.S. Provisional Patent Application No. 61/222,689, filed July 2, 2009.

WHEREAS, Allegheny-Singer Research Institute, a Pennsylvania Non-Profit Corporation, having an address of 10th Floor, 320 East North Avenue, Pittsburgh, Pennsylvania 15212 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to said Invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor for said Invention;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said Invention as set forth in the above-mentioned application, including any applications which claim priority to the above referenced application, any applications to which the above referenced applications claim priority, and any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

UPON SAID CONSIDERATION, Assignors shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Agreement, and that Assignors will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignors and Assignee;

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

AND we request that any Patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as the joint owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date: 1-14, ²⁰¹¹2010

By: [Signature]
Name: James Christopher Post

STATE OF Pennsylvania)
) SS:
COUNTY OF Allegheny)

On this 14th day of January, ²⁰¹¹2010, before me personally appeared James Christopher Post, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

[Signature]
Notary Public

My commission expires _____

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Donna L. Bell, Notary Public
Allegheny County
My commission expires May 01, 2012

Date: JAN 14, 2010

By: John William Costerton
Name: John William Costerton

STATE OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY)

On this 14th day of JANUARY, 2010, before me personally appeared John William Costerton, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Patricia R. Seals, Notary Public
City of Pittsburgh, Allegheny County
My Commission Expires Aug. 15, 2011
Member, Pennsylvania Association of Notaries

Patricia R. Seals
Notary Public

My commission expires 8/15/2011

Date: JAN 14, 2010

By: 
Name: Garth David Ehrlich

STATE OF PENNSYLVANIA)

) SS:

COUNTY OF ALLEGHENY)

On this 14th day of JANUARY, 2010, before me personally appeared Garth David Ehrlich, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

COMMONWEALTH OF PENNSYLVANIA
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