

PATENT ASSIGNMENT

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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>Andy C. Neilson</td> <td>06/01/2010</td> </tr> <tr> <td>Suzanne Armitstead</td> <td>07/20/2010</td> </tr> <tr> <td>Yevgeniy Margolin</td> <td>05/03/2010</td> </tr> <tr> <td>Stephen C. Young</td> <td>04/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	Andy C. Neilson	06/01/2010	Suzanne Armitstead	07/20/2010	Yevgeniy Margolin	05/03/2010	Stephen C. Young	04/30/2010
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Suzanne Armitstead	07/20/2010										
Yevgeniy Margolin	05/03/2010										
Stephen C. Young	04/30/2010										
RECEIVING PARTY DATA											
Name:	Seahorse Bioscience										
Street Address:	16 Esquire Road										
City:	Billerica										
State/Country:	MASSACHUSETTS										
Postal Code:	01862										
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>12579012</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12579012						
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Application Number:	12579012										
CORRESPONDENCE DATA											
Fax Number:	(617)523-1231										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	svolkmerward@goodwinprocter.com										
Correspondent Name:	Sabine Volkmer Ward										
Address Line 1:	Exchange Place										
Address Line 2:	53 State Street										
Address Line 4:	Boston, MASSACHUSETTS 02109										
ATTORNEY DOCKET NUMBER:	THI-006										
NAME OF SUBMITTER:	Sabine Volkmer Ward										

OP \$40.00 12579012

Total Attachments: 5
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**PATENT
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ASSIGNMENT

WHEREAS, I, Andy C. Neilson, Suzanne Armitstead, Yevgeniy Margolin, and Stephen C. Young, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**IMPROVED METHOD AND DEVICE FOR MEASURING EXTRACELLULAR ACIDIFICATION
AND OXYGEN CONSUMPTION RATE WITH HIGHER PRECISION**

and identified by Serial No. 12,579,012 filed in the United States Patent Office on October 14, 2009; and

WHEREAS, Seahorse Bioscience (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 16 Esquire Road, Billerica, Massachusetts 01862, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority (including U.S. Provisional Patent Application No. 61/105,201); said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date set forth below.


Inventor:



Andy C. Neilson

Commonwealth of Massachusetts)
County of) ss

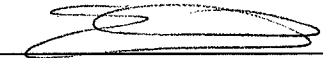
On this 1 day of June, 2010, before me, the undersigned Notary Public, personally appeared Andy C. Neilson, proved to me through satisfactory evidence of identification, which was/were personally known, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.


Signature of Notary

(Seal)

My Commission Expires: 04/28/2011

Inventor:



Suzanne Armitstead

Commonwealth of Massachusetts)
County of) ss

On this 20 day of July, 2010, before me, the undersigned Notary Public, personally appeared Suzanne Armitstead, proved to me through satisfactory evidence of identification, which was/were personally known, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.



Signature of Notary

(Seal)

My Commission Expires: April 28, 2011

Inventor:

Yevgeniy Margolin
Yevgeniy Margolin

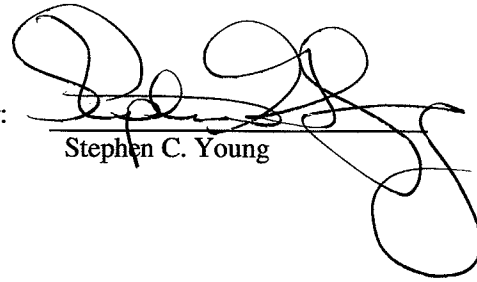
Commonwealth of Massachusetts)
County of Hampden) ss

On this 3rd day of May, 2010, before me, the undersigned Notary Public, personally appeared Yevgeniy Margolin, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Julita Depuyte-Smedley (Seal)
Signature of Notary

My Commission Expires: August 1st, 2013

Inventor:



Stephen C. Young

Commonwealth of Massachusetts)
County of *Hampden*) ss

On this 30 day of April, 2010, before me, the undersigned Notary Public, personally appeared Stephen C. Young, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Jolite Degenyde-Smeadwick
Signature of Notary

(Seal)

My Commission Expires: August 1st, 2013

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