

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PATRICK TREADO	11/06/2012
RECEIVING PARTY DATA		
Name:	CHEMIMAGE CORPORATION	
Street Address:	7301 PENN AVENUE	
City:	PITTSBURGH	
State/Country:	PENNSYLVANIA	
Postal Code:	15208	
PROPERTY NUMBERS Total: 2		
Property Type	Number	
Application Number:	14440987	
PCT Number:	US2013068671	
CORRESPONDENCE DATA		
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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Correspondent Name:	PEPPER HAMILTON LLP	
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ATTORNEY DOCKET NUMBER:	138282.02601	
NAME OF SUBMITTER:	MICHAEL A. MILLER, REG. NO. 50732	
SIGNATURE:	/Michael A. Miller/	
DATE SIGNED:	11/10/2015	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS, I, PATRICK TREADO (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in Schedule A attached hereto (hereinafter the "Invention");

WHEREAS, CHEMIMAGE CORPORATION, having an address of 7301 Penn Avenue, Pittsburgh, Pennsylvania 15208 (hereinafter "Assignee"), is desirous of acquiring Assignor's 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.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, effective as of at least November 6, 2012, and does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

AND for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority rights deriving from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor 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 Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for 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 Assignor 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 country, application

number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document; and

The undersigned requests that any patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as an owner of my entire right, title and interest in and to said patent and the Invention covered thereby.

Date:

11/9/15

Assignor:

Patrick Treado
PATRICK TREADOACKNOWLEDGMENTSTATE OF Pennsylvania)

)

SS:

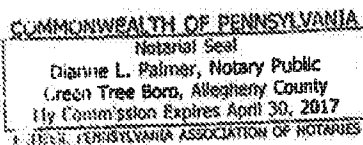
COUNTY OF Allegheny)

)

On this 9th day of November, 2015, before me, a Notary Public, the undersigned officer, personally appeared PATRICK TREADO, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

Dianne L. PalmerMy commission expires April 30, 2017

Agreed and accepted:

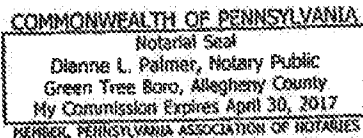
CHEMIMAGE CORPORATION

Date: 11/09/2015Assignee: John S. Belecki
By:
Title:ACKNOWLEDGMENTSTATE OF Pennsylvania)
) SS:
COUNTY OF Allegheny)

On this 9th day of November, 2015, before me, a Notary Public, the undersigned officer, personally appeared John S. Belecki, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

Dianna L. PalmerMy commission expires April 30, 2017

SCHEDULE A

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>	<u>Inventor</u>
US	61/796,268	November 6, 2012	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION	Ryan PRIORE Patrick TREADO Heather KIRSCHNER
US	61/797,686	December 13, 2012	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION, STAGING, AND POLYP DISCRIMINATION	Ryan PRIORE Patrick TREADO Heather KIRSCHNER Alan WILSON
US	61/848,242	December 28, 2012	CALIBRATION TRANSFER FUNCTION FOR BIOLOGICAL MATERIALS	Shona STEWART Heather KIRSCHNER Ryan PRIORE
US	61/765,524	February 15, 2013	SYSTEM AND METHOD FOR DETERMINING DISEASE STAGE USING RAMAN MOLECULAR IMAGING	Ryan PRIORE Patrick TREADO Heather KIRSCHNER Alan WILSON
WO	PCT/US2013/068671	November 6, 2013	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION	Patrick TREADO Shona STEWART Heather KIRSCHNER Ryan PRIORE Alan WILSON
US	14/440,987	May 6, 2015	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION	Patrick TREADO Shona STEWART Heather KIRSCHNER Ryan PRIORE Alan WILSON
JP	2015-541874	November 6, 2013	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION	Patrick TREADO Shona STEWART Heather KIRSCHNER Ryan PRIORE Alan WILSON
CA	2,890,437	November 6, 2013	SYSTEM AND METHOD FOR SERUM BASED CANCER DETECTION	Patrick TREADO Shona STEWART Heather KIRSCHNER Ryan PRIORE Alan WILSON