

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Name of assignee To ChemImage Technologies previously recorded on Reel 030134 Frame 0096. Assignor(s) hereby confirms the Assigned to ChemImage Corp.
CONVEYING PARTY DATA	
Name	Execution Date
ChemImage Corporation	05/30/2013
RECEIVING PARTY DATA	
Name:	ChemImage Technologies LLC
Street Address:	7301 Penn Ave.
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15208
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13842166
CORRESPONDENCE DATA	
Fax Number:	4122417311
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	4122417335
Email:	santosj@chemimage.com
Correspondent Name:	ChemImage Corporation
Address Line 1:	7301 Penn Ave.
Address Line 4:	Pittsburgh, PENNSYLVANIA 15208
ATTORNEY DOCKET NUMBER:	CI 027 US CIP 1
NAME OF SUBMITTER:	Juvyrose V. Santos
Signature:	/Juvyrose V. Santos/
Date:	06/07/2013

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**Total Attachments: 10**

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APPLICATION NUMBER: 11146458 FILING DATE: 06/07/2005  
PATENT NUMBER: 7330746 ISSUE DATE: 02/12/2008  
TITLE: NON-INVASIVE BIOCHEMICAL ANALYSIS

APPLICATION NUMBER: 11267913 FILING DATE: 11/03/2005  
PATENT NUMBER: 7330747 ISSUE DATE: 02/12/2008  
TITLE: INVASIVE CHEMOMETRY

APPLICATION NUMBER: 11484040 FILING DATE: 07/11/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: DIGITIZING BIOLOGY

APPLICATION NUMBER: 11585535 FILING DATE: 10/24/2006  
PATENT NUMBER: 7557915 ISSUE DATE: 07/07/2009  
TITLE: AUTOMATED ACQUISITION OF SPECTRAL DATA AND IMAGE DATA

APPLICATION NUMBER: 11674552 FILING DATE: 02/13/2007  
PATENT NUMBER: 7474395 ISSUE DATE: 01/06/2009  
TITLE: SYSTEM AND METHOD FOR IMAGE RECONSTRUCTION IN A FIBER ARRAY  
SPECTRAL TRANSLATOR SYSTEM

APPLICATION NUMBER: 11675155 FILING DATE: 02/15/2007  
PATENT NUMBER: 7764371 ISSUE DATE: 07/27/2010  
TITLE: SYSTEM AND METHOD FOR SUPER RESOLUTION OF A SAMPLE IN A FIBER  
ARRAY SPECTRAL TRANSLATOR SYSTEM

APPLICATION NUMBER: 11679112 FILING DATE: 02/26/2007  
PATENT NUMBER: 7471386 ISSUE DATE: 12/30/2008  
TITLE: SYSTEM AND METHOD FOR SPECTRAL UNMIXING IN A FIBER ARRAY  
SPECTRAL TRANSLATOR BASED POLYMORPH SCREENING SYSTEM

APPLICATION NUMBER: 11682302 FILING DATE: 03/05/2007  
PATENT NUMBER: 7471389 ISSUE DATE: 12/30/2008  
TITLE: SYSTEM AND METHOD FOR FIBER ARRAY SPECTRAL TRANSLATOR BASED  
POLYMORPH SCREENING

APPLICATION NUMBER: 11712917 FILING DATE: 03/02/2007  
PATENT NUMBER: 7629591 ISSUE DATE: 12/08/2009  
TITLE: SYSTEM AND METHOD FOR STRUCTURED ILLUMINATION AND COLLECTION FOR  
IMPROVED OPTICAL CONFOCALITY OF RAMAN FIBER ARRAY SPECTRAL  
TRANSLATOR IMAGING AND INTERACTIVE RAMAN PROBING

APPLICATION NUMBER: 11890517 FILING DATE: 08/07/2007  
PATENT NUMBER: 7626696 ISSUE DATE: 12/01/2009  
TITLE: METHOD AND APPARATUS FOR RECONFIGURABLE FIELD OF VIEW IN A  
FAST-BASED IMAGING SYSTEM

APPLICATION NUMBER: 11918487 FILING DATE: 10/15/2007  
PATENT NUMBER: 7701572 ISSUE DATE: 04/20/2010  
TITLE: SYSTEM AND METHOD FOR CHEMICAL IMAGING OF MICROARRAYS

APPLICATION NUMBER: 12017445 FILING DATE: 01/22/2008  
PATENT NUMBER: 8112248 ISSUE DATE: 02/07/2012  
TITLE: FORENSIC INTEGRATED SEARCH TECHNOLOGY WITH INSTRUMENT WEIGHT  
FACTOR DETERMINATION

APPLICATION NUMBER: 12069546 FILING DATE: 02/11/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: INVASIVE CHEMOMETRY

APPLICATION NUMBER: 12070010 FILING DATE: 02/14/2008  
 PATENT NUMBER: 7808633 ISSUE DATE: 10/05/2010  
 TITLE: SPECTROSCOPIC SYSTEM AND METHOD FOR PREDICTING OUTCOME OF DISEASE

APPLICATION NUMBER: 12196921 FILING DATE: 08/22/2008  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: METHOD FOR IMPROVED DETECTION USING MULTIPLE SPECTROSCOPIC TECHNIQUES

APPLICATION NUMBER: 12632187 FILING DATE: 12/07/2009  
 PATENT NUMBER: 8158957 ISSUE DATE: 04/17/2012  
 TITLE: SYSTEM AND METHOD FOR STRUCTURED ILLUMINATION AND COLLECTION FOR IMPROVED OPTICAL CONFOCALITY OF RAMAN FIBER ARRAY SPECTRAL TRANSLATOR IMAGING AND INTERACTIVE RAMAN PROBING

APPLICATION NUMBER: 12759082 FILING DATE: 04/13/2010  
 PATENT NUMBER: 8098373 ISSUE DATE: 01/17/2012  
 TITLE: SPATIALLY AND SPECTRALLY PARALLELIZED FIBER ARRAY SPECTRAL TRANSLATOR SYSTEM AND METHOD OF USE

APPLICATION NUMBER: 13066428 FILING DATE: 04/14/2011  
 PATENT NUMBER: 8400574 ISSUE DATE: 03/19/2013  
 TITLE: SHORT WAVE INFRARED MULTI-CONJUGATE LIQUID CRYSTAL TUNABLE FILTER

APPLICATION NUMBER: 13246906 FILING DATE: 09/28/2011  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: FORENSIC INTEGRATED SEARCH TECHNOLOGY

APPLICATION NUMBER: 13347788 FILING DATE: 01/11/2012  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: SYSTEM AND METHOD FOR CORRECTING SPECTRAL RESPONSE USING A RADIOMETRIC CORRECTION FILTER

APPLICATION NUMBER: 13374867 FILING DATE: 01/19/2012  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: VIS-SNIR MULTI-CONJUGATE LIQUID CRYSTAL TUNABLE FILTER

APPLICATION NUMBER: 13450579 FILING DATE: 04/19/2012  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: SYSTEM AND METHOD FOR DIAGNOSING A BIOLOGICAL SAMPLE

APPLICATION NUMBER: 13541171 FILING DATE: 07/03/2012  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: SYSTEM AND METHOD FOR RAMAN BASED CHRONIC EXPOSURE DETECTION

APPLICATION NUMBER: 13626474 FILING DATE: 09/25/2012  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: MULTIPOINT METHOD FOR ASSESSING A BIOLOGICAL SAMPLE

APPLICATION NUMBER: 13734024 FILING DATE: 01/04/2013  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: CONFORMAL FILTER AND METHOD FOR USE THEREOF

APPLICATION NUMBER: 13842166 FILING DATE:  
 PATENT NUMBER: ISSUE DATE:  
 TITLE: SHORT-WAVELENGTH INFRARED (SWIR) MULTI-CONJUGATE LIQUID CRYSTAL TUNABLE FILTER

## ASSIGNMENT OF PATENTS

WHEREAS ChemImage Corporation, a Delaware corporation, (hereinafter referred to as Assignor), owns the entire right, title, and interest in and to the Letters Patents and applications for Letters Patents listed in Attachment A of this Agreement;

WHEREAS ChemImage Technologies LLC, a Delaware limited liability company, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to said Letters Patents and applications for Letters Patents, and in and to any Letters Patents to be issued upon these applications;

NOW THEREFORE, be it known that, for valuable consideration the receipt of which from Assignee is hereby acknowledged, the Assignor, has sold, assigned, transferred, and set over, and do hereby sells, assigns, transfers, and sets over unto the Assignee, its lawful successors and assigns, Assignor's entire right, title, and interest in and to the inventions, Letters Patents, and applications for Letters Patents listed in Attachment A, and all Letters Patent of The United States of America which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patents which may hereafter be filed for this invention in any foreign country and all Letters Patents which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and Assignee hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

ChemImage Technologies, LLC

By: James S. McQuibben 3/28/13

Name: JAMES S. McQUIBBEN

Title: PRESIDENT

ChemImage Corporation

By: John S. Belechnak

Name: JOHN S. BELECHNAK

Title: COO

# ATTACHMENT A

No.	Patent/App. No.	Title
1	8,400,574	Short Wave Infrared Multi-Conjugate Liquid Crystal Tunable Filter
2	8,158,957	System and Method for Structured Illumination and Collection for Improved Optical Confocality of Raman Fiber Array Spectral Translator Imaging and Interactive Raman Probing
3	8,112,248	Forensic Integrated Search Technology With Instrument Weight Factor Determination
4	8,098,373	Spatially and Spectrally Parallelized FAST System and Method of Use
5	7,808,633	Spectroscopic System and Method for Predicting Outcome of Disease
6	7,764,371	System and Method for Super Resolution of Sample in a Fiber Array Spectral Translator System
7	7,701,572	System and Method for Chemical Imaging of Microarrays
8	7,629,591	System and Method for Structured Illumination and Collection for Improved Optical Confocality of Raman Fiber Array Spectral Translator Imaging and Interactive Raman Probing
9	7,626,696	Method and Apparatus for Reconfigurable Field of View in a Fast-Based Imaging System
10	7,557,915	Automated Acquisition of Spectral Data and Image Data
11	7,474,395	System and Method for Image Reconstruction in a Fiber Array Spectral Translator System
12	7,471,389	System and Method for Fiber Array Spectral Translator Based Polymorph Screening System
13	7,471,386	System and Method for Spectral Unmixing in a Fiber Array Spectral Translator Based Polymorph Screening System
14	7,362,489	Multi-Conjugate Liquid Crystal Tunable Filter
15	7,330,747	Invasive Chemometry
16	7,330,746	Non-invasive biochemical analysis
17	7,045,757	Apparatus and Method for Chemical Imaging of a Biological Sample
18	6,992,809	Multi-Conjugate Liquid Crystal Tunable Filter
19	13/842,166	Short-Wavelength Infrared (SWIR) Multi-Conjugate Liquid Crystal Tunable Filter
20	13/734,024	Conformal Filter and Method for Use Thereof
21	13/626,474	Multipoint Method for Assessing a Biological Sample
22	13/541,171	System and method for Raman-based chronic exposure detection
23	13/450,579	System and Method for Diagnosing a Biological Sample
24	13/374,867	VIS-NIR Multi-Conjugate Liquid Crystal Tunable Filter
25	13/347,788	System and Method for Correcting Spectral Response Using a Radiometric Correction Filter
26	13/246,906	Forensic Integrated Search Technology
27	12/196,921	Adaptive Method for Outlier Detection and Spectral Library Augmentation
28	12/069,546	Invasive Chemometry
29	11/484,040	Digitizing Biology
30	12/069,546	Invasive Chemometry
31	13/734,024	Conformal Filter and Method for Use Thereof
32	61/848,242	Calibration Transfer Function for Biological Materials
33	61/797,686	System and Method for Serum Based Cancer Detection, Staging, and Polyp Discrimination
34	61/796,268	System and Method for Serum Based Cancer Detection
35	61/765,524	System and Method for Determining Disease Stage Using Raman Molecular

No.	Patent/App. No.	Title
		Imaging
36	61/752,817	Pixilated Conformal Hyperspectral Imaging System and Method for Use Thereof
37	61/699,010	Systems And Methods For Improving Imaging Technology



United States Patent and Trademark Office

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**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>ChemImage Corporation</td><td>04/02/2013</td></tr></tbody></table>	Name	Execution Date	ChemImage Corporation	04/02/2013							
Name	Execution Date										
ChemImage Corporation	04/02/2013										
<b>RECEIVING PARTY DATA</b>											
<table border="1"><tr><td>Name:</td><td>ChemImage Corporation</td></tr><tr><td>Street Address:</td><td>7301 Penn Ave.</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>15208</td></tr></table>	Name:	ChemImage Corporation	Street Address:	7301 Penn Ave.	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15208	
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Street Address:	7301 Penn Ave.										
City:	Pittsburgh										
State/Country:	PENNSYLVANIA										
Postal Code:	15208										
<b>PROPERTY NUMBERS Total: 35</b>											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>8400574</td></tr><tr><td>Patent Number:</td><td>8158957</td></tr><tr><td>Patent Number:</td><td>8112248</td></tr><tr><td>Patent Number:</td><td>8098373</td></tr></tbody></table>	Property Type	Number	Patent Number:	8400574	Patent Number:	8158957	Patent Number:	8112248	Patent Number:	8098373	
Property Type	Number										
Patent Number:	8400574										
Patent Number:	8158957										
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Patent Number:	8098373										



Patent Number:	7808633
Patent Number:	7764371
Patent Number:	7701572
Patent Number:	7629591
Patent Number:	7626696
Patent Number:	7557915
Patent Number:	7474395
Patent Number:	7471389
Patent Number:	7471386
Patent Number:	7362489
Patent Number:	7330747
Patent Number:	7330746
Patent Number:	7045757
Patent Number:	6992809
Application Number:	13842166
Application Number:	13734024
Application Number:	13626474
Application Number:	13541171
Application Number:	13450579
Application Number:	13374867
Application Number:	13347788
Application Number:	13246906
Application Number:	12196921
Application Number:	12069546
Application Number:	11484040
Application Number:	61848242
Application Number:	61797686
Application Number:	61796268
Application Number:	61765524
Application Number:	61752817
Application Number:	61699010

## CORRESPONDENCE DATA

Fax Number: 4122417311  
Phone: 4122417335

**Email:** santosj@chemimage.com*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.***Correspondent Name:** ChemImage Corporation**Address Line 1:** 7301 Penn Ave.**Address Line 4:** Pittsburgh, PENNSYLVANIA 15208**ATTORNEY DOCKET NUMBER:**

CI TO CI TECH

**NAME OF SUBMITTER:**

Juvyrose V. Santos

**Signature:**

/Juvyrose V. Santos/

**Date:**

04/02/2013

**Total Attachments: 3**

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