

## 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>Daniel B. Chuang</td> <td>01/11/2012</td> </tr> <tr> <td>Lawrence M. Candell</td> <td>01/11/2012</td> </tr> <tr> <td>William D. Ross</td> <td>01/11/2012</td> </tr> <tr> <td>Mark E. Beattie</td> <td>01/11/2012</td> </tr> <tr> <td>Cindy Y. Fang</td> <td>01/11/2012</td> </tr> <tr> <td>Bobby Ren</td> <td>01/11/2012</td> </tr> <tr> <td>Jonathan P. Blanchard</td> <td>01/11/2012</td> </tr> <tr> <td>Gary M. Long Jr.</td> <td>01/11/2012</td> </tr> <tr> <td>Lauren L. White</td> <td>01/11/2012</td> </tr> <tr> <td>Svetlana V. Panasyuk</td> <td>01/11/2012</td> </tr> <tr> <td>Mark Bury</td> <td>01/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Daniel B. Chuang	01/11/2012	Lawrence M. Candell	01/11/2012	William D. Ross	01/11/2012	Mark E. Beattie	01/11/2012	Cindy Y. Fang	01/11/2012	Bobby Ren	01/11/2012	Jonathan P. Blanchard	01/11/2012	Gary M. Long Jr.	01/11/2012	Lauren L. White	01/11/2012	Svetlana V. Panasyuk	01/11/2012	Mark Bury	01/11/2012
Name	Execution Date																								
Daniel B. Chuang	01/11/2012																								
Lawrence M. Candell	01/11/2012																								
William D. Ross	01/11/2012																								
Mark E. Beattie	01/11/2012																								
Cindy Y. Fang	01/11/2012																								
Bobby Ren	01/11/2012																								
Jonathan P. Blanchard	01/11/2012																								
Gary M. Long Jr.	01/11/2012																								
Lauren L. White	01/11/2012																								
Svetlana V. Panasyuk	01/11/2012																								
Mark Bury	01/11/2012																								
RECEIVING PARTY DATA																									
<table border="1"> <tr> <td>Name:</td> <td>The Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	The Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139														
Name:	The Massachusetts Institute of Technology																								
Street Address:	77 Massachusetts Avenue																								
City:	Cambridge																								
State/Country:	MASSACHUSETTS																								
Postal Code:	02139																								
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>13327416</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13327416																				
Property Type	Number																								
Application Number:	13327416																								
CORRESPONDENCE DATA																									
Fax Number:	(617)342-4001																								
Phone:	617-342-4000																								
Email:	sdinicola@foley.com																								
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																									

OP \$40.00 13327416

Correspondent Name:	Foley & Lardner LLP
Address Line 1:	111 Huntington Avenue
Address Line 4:	Boston, MASSACHUSETTS 02199

ATTORNEY DOCKET NUMBER:	099477-0148MIT14553LUS01
-------------------------	--------------------------

NAME OF SUBMITTER:	Susan C. DiNicola
--------------------	-------------------

**Total Attachments: 13**

source=099477-0149ASSIGN#page1.tif  
source=099477-0149ASSIGN#page2.tif  
source=099477-0149ASSIGN#page3.tif  
source=099477-0149ASSIGN#page4.tif  
source=099477-0149ASSIGN#page5.tif  
source=099477-0149ASSIGN#page6.tif  
source=099477-0149ASSIGN#page7.tif  
source=099477-0149ASSIGN#page8.tif  
source=099477-0149ASSIGN#page9.tif  
source=099477-0149ASSIGN#page10.tif  
source=099477-0149ASSIGN#page11.tif  
source=099477-0149ASSIGN#page12.tif  
source=099477-0149ASSIGN#page13.tif

### ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

The Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, MA 02139

(hereinafter referred to as "ASSIGNEE") its successors and assigns, his or her full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

### IMAGING SYSTEMS AND METHODS FOR IMMERSIVE SURVEILLANCE

as set forth in this United States Patent Application

check one     ☐ executed concurrently herewith,  
                  ☐ executed on \_\_\_\_\_  
                  ☒ Serial No. 13/327416 Filed 12/15/2011

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 11th day of January, 2012.

  
DANIEL B. CHUANG


State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos  
(a notary public in and for said county), personally appeared DANIEL B. CHUANG,  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed  
to the within instrument and acknowledged to me that he/she executed the same in his/her authorized  
capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which  
the person acted, executed the instrument.

WITNESS my hand and official seal.

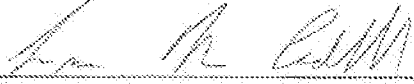
Signature

  
My Commission Expires: March 16, 2018

MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

(Seal)

Executed this 11th day of January, 2012.



LAWRENCE M. CANDELL

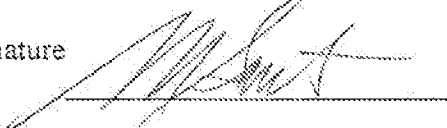
State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos  
(a notary public in and for said county), personally appeared LAWRENCE M. CANDELL,  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed  
to the within instrument and acknowledged to me that he/she executed the same in his/her authorized  
capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which  
the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature



My Commission Expires: March 16, 2018

MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

(Seal)

Executed this 11th day of January, 2012.



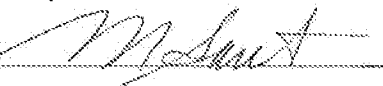
WILLIAM D. ROSS

State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos,  
(a notary public in and for said county), personally  
appeared WILLIAM D. ROSS, who proved to me on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within instrument and acknowledged to me that he/she  
executed the same in his/her authorized capacity, and that by his/her signature on the instrument  
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 

MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.

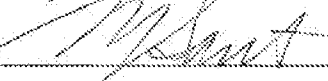
  
MARK E. BEATTIE

State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos,  
\_\_\_\_\_ (a notary public in and for said county), personally  
appeared MARK E. BEATTIE, who proved to me on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within instrument and acknowledged to me that he/she  
executed the same in his/her authorized capacity, and that by his/her signature on the instrument  
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 

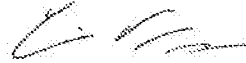
MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)



Executed this 11th day of January, 2012.



CINDY Y. FANG

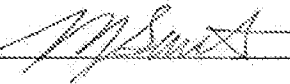
State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos, \_\_\_\_\_ (a notary public in and for said county), personally appeared CINDY Y. FANG, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

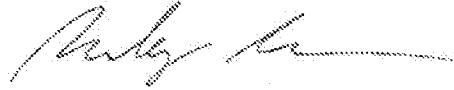


MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.



BOBBY REN

State of Massachusetts \_\_\_\_\_)

County of Middlesex \_\_\_\_\_)

On this 11th day of January, 2012, before me, Margarida M. Santos, \_\_\_\_\_ (a notary public in and for said county), personally appeared BOBBY REN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature



MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.

  
JONATHAN P. BLANCHARD

State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos,  
(a notary public in and for said county), personally  
appeared JONATHAN P. BLANCHARD, who proved to me on the basis of satisfactory  
evidence to be the person whose name is subscribed to the within instrument and acknowledged  
to me that he/she executed the same in his/her authorized capacity, and that by his/her signature  
on the instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS my hand and official seal.

Signature

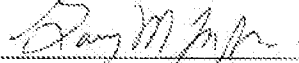


MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.



GARY M. LONG, JR.

State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos, \_\_\_\_\_ (a notary public in and for said county), personally appeared GARY M. LONG, JR., who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

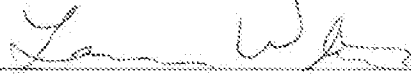
Signature \_\_\_\_\_

MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.



LAUREN L. WHITE

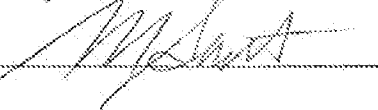
State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos,  
\_\_\_\_\_ (a notary public in and for said county), personally  
appeared LAUREN L. WHITE, who proved to me on the basis of satisfactory evidence to be the  
person whose name is subscribed to the within instrument and acknowledged to me that he/she  
executed the same in his/her authorized capacity, and that by his/her signature on the instrument  
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_



MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.

  
SVETLANA V. PANASYUK

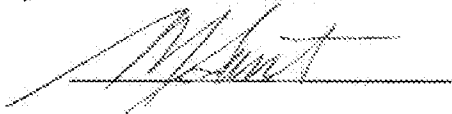
State of Massachusetts )

County of Middlesex

On this 11th day of January, 2012, before me, Margarida M. Santos,  
(a notary public in and for said county), personally  
appeared SVETLANA V. PANASYUK, who proved to me on the basis of satisfactory evidence  
to be the person whose name is subscribed to the within instrument and acknowledged to me that  
he/she executed the same in his/her authorized capacity, and that by his/her signature on the  
instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS my hand and official seal.

Signature



MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)

Executed this 11th day of January, 2012.

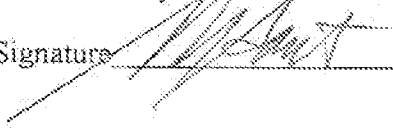
  
MARK BURY

State of Massachusetts )

County of Middlesex )

On this 11th day of January, 2012, before me, Margarida M. Santos,  
\_\_\_\_\_(a notary public in and for said county), personally  
appeared MARK BURY, who proved to me on the basis of satisfactory evidence to be the person  
whose name is subscribed to the within instrument and acknowledged to me that he/she executed  
the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 

MARGARIDA M. SANTOS  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2018

My Commission Expires: March 16, 2018

(Seal)