

Atty Dkt No.: MGH-070PUS

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office						
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.								
1. Name of conveying party(ies): William C. Karl Zhuangli Liang Homer Plen Thomas J. Brady Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>The General Hospital Corporation</u> Internal Address: _____ _____ Street Address: <u>55 Fruit Street</u> _____ City: <u>Boston</u> State: <u>MA</u> Zip: <u>02114</u> Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ April 3, 2006, April 3, 2006, February 27, 2006, March 14, 2006 Execution Date: _____								
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>11/320,153</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Daly, Crowley, Mofford & Durkee, LLP</u> Internal Address: _____ _____ Street Address: <u>354A Turnpike Street, Suite 301A</u> _____ City: <u>Canton</u> State: <u>MA</u> Zip: <u>02021-2714</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account							
	8. Deposit account number: <u>500845</u> (Attach duplicate copy of this page if paying by deposit account)							
DO NOT USE THIS SPACE								
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <table style="width:100%; border: none;"> <tr> <td style="width:30%; border-bottom: 1px solid black;">Anthony T. Moosey</td> <td style="width:30%; border-bottom: 1px solid black;"></td> <td style="width:30%; border-bottom: 1px solid black;">6 APR 2006</td> </tr> <tr> <td>Name of Person Signing</td> <td>Signature</td> <td>Date</td> </tr> </table>			Anthony T. Moosey		6 APR 2006	Name of Person Signing	Signature	Date
Anthony T. Moosey		6 APR 2006						
Name of Person Signing	Signature	Date						
Total number of pages including cover sheet, attachments, and documents: 14								

Mail documents to be recorded with required cover sheet information to:
 MS Assignment Recordation Services, Director of the U.S. Patent and Trademark Office,
 P. O. Box 1450, Alexandria, VA 22313-1450

CH \$40.00 500845 11320153

CONTINUATION SHEET

Atty Dkt No.: MGH-070PUS

Form PTO-1595 - Continuation (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇌ ⇌ ⇌	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
--	--	---

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of additional conveying party(ies):

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of additional receiving party(ies)

Name: Boston University

Internal Address: _____

Street Address: 108 Bay State Road

City: Boston State: MA Zip: 02215

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached? Yes No

4. Additional application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional number(s) or patent number(s) ? Yes No

Mail documents to be recorded with required cover sheet information to:

MS Assignment Recordation Services, Director of the U.S. Patent and Trademark Office,
P. O. Box 1450, Alexandria, VA 22313-1450

PATENT

ASSIGNMENT

Whereas we, the undersigned, William C. Karl and Zhuangli Liang, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MEDICAL IMAGE PROCESSING, identified as Attorney Docket No. MGH-070PUS and Client Case No. BU05-71 which application was executed on April 3, 2004 and filed on December 28, 2005 and Assigned Application No. 11/320,153. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the filing date and/or Application No. of said application.

Whereas, BOSTON UNIVERSITY, a Massachusetts Corporation having a place of business at 108 Bay State Road, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

4/3/06
Date

William C. Karl
William C. Karl

Commonwealth of Massachusetts }
County of Suffolk } SS.

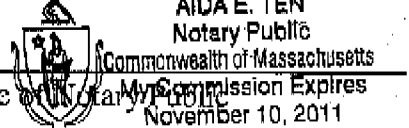
On this the 3 day of April, 2006, before me, AIDA E. TEN,
Day Month Name of Notary

the undersigned Notary Public, personally appeared WILLIAM C. KARL,
William C. Karl

proved to me through satisfactory evidence of identity, which was/were _____
Massachusetts Diver's License
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.

Aida E. Ten
Signature of Notary Public


AIDA E. TEN
Notary Public
Commonwealth of Massachusetts
Printed Name of Notary Public My Commission Expires
November 10, 2011

Place Notary Seal and/or Any Stamp Above

My Commission Expires _____

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

04/03/06
Date

[Signature]
Zhuangli Liang

Commonwealth of Massachusetts }
County of Suffolk } SS.

On this the 3 day of April, 2006, before me, AIDA E. TEN
Day Month Name of Notary

the undersigned Notary Public, personally appeared ZHUANGLI LIANG
Zhuangli Liang

proved to me through satisfactory evidence of identity, which was/were _____
Massachusetts Driver's License
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.

[Signature]
Signature of Notary Public

AIDA E. TEN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 10, 2011

Place Notary Seal and/or Any Stamp Above

My Commission Expires _____

PATENT

ASSIGNMENT

Whereas we, the undersigned, Thomas J. Brady and Homer Pien, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MEDICAL IMAGE PROCESSING, identified as Attorney Docket No. MGH-070PUS and Client Case No. 2890 which application was executed on Feb. 28, 2006 and filed on December 28, 2005 and Assigned Application No. 11/320,153. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the filing date and/or Application No. of said application.

Whereas, THE GENERAL HOSPITAL CORPORATION, a Massachusetts Corporation having a place of business at 55 Fruit Street, Boston, MA 02114, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

PATENT
Application No.: 11/320,153
Filed On: December 28, 2005
Attorney Docket No.: 2890

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

Date Thomas J. Brady

Commonwealth of Massachusetts }
County of _____ } SS.

On this the _____ day of _____, 2006, before me, _____,
Day Month Name of Notary

the undersigned Notary Public, personally appeared _____,
Thomas J. Brady

proved to me through satisfactory evidence of identity, which was/were _____

(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.

Signature of Notary Public

Printed Name of Notary Public

Place Notary Seal and/or Any Stamp Above

My Commission Expires _____

PATENT
Application No.: 11/320,153
Filed On: December 28, 2005
Attorney Docket No.: 2890

2/27/06
Date

[Signature]
Homer Pien

Commonwealth of Massachusetts }
County of Suffolk } SS.

On this the 27 day of February, 2006, before me, Deborah A. Parker
the undersigned Notary Public, personally appeared Homer Pien
proved to me through satisfactory evidence of identity, which was/were MA License

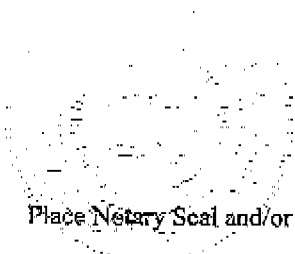
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.

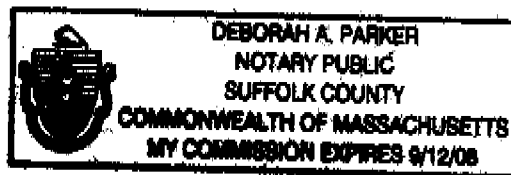
Deborah A. Parker
Signature of Notary Public

Printed Name of Notary Public

My Commission Expires



Place Notary Seal and/or Any Stamp Above



PATENT

ASSIGNMENT

Whereas we, the undersigned, Thomas J. Brady and Homer Pien, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MEDICAL IMAGE PROCESSING, identified as Attorney Docket No. MGH-070PUS and Client Case No. 2890 which application was executed on ~~March 6, 2005~~ and filed on December 28, 2005 and Assigned Application No. 11/320,153. In the event that the execution date, filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the filing date and/or Application No. of said application.

Whereas, THE GENERAL HOSPITAL CORPORATION, a Massachusetts Corporation having a place of business at 55 Fruit Street, Boston, MA 02114, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

I

PATENT
Application No.: 11/320,153
Filed On: December 28, 2005
Attorney Docket No.: 2890

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

3/17/06
Date

Thomas J. Brady
Thomas J. Brady

Commonwealth of Massachusetts }
County of Suffolk } SS.

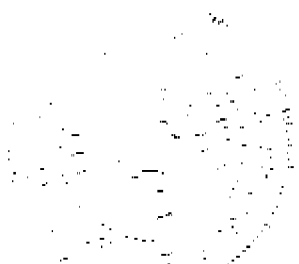
On this the 14 day of March, 2006, before me, Gloria Sprague
Day Month Name of Notary

the undersigned Notary Public, personally appeared Thomas J. Brady
Thomas J. Brady

proved to me through satisfactory evidence of identity, which was/were _____

massachusetts license
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.



Place Notary Seal and/or Any Stamp Above

Gloria Sprague
Signature of Notary Public

Gloria Sprague
Printed Name of Notary Public

My Commission Expires 2/6/2012

PATENT

Application No.: 11/320,153

Filed On: December 28, 2005

Attorney Docket No.: 2890

Date

Homer Pien

Commonwealth of Massachusetts

County of _____

} SS.

On this the _____ day of _____, 2006, before me, _____
Day Month Name of Notary

the undersigned Notary Public, personally appeared _____

Homer Pien

proved to me through satisfactory evidence of identity, which was/were _____

(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.

Signature of Notary Public

Printed Name of Notary Public

Place Notary Seal and/or Any Stamp Above

My Commission Expires _____