

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3280639

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME TO READ PIXTRONIX, INC. previously recorded on Reel 019243 Frame 0814. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
NESBITT W. HAGOOD	03/31/2006
ABRAHAM MCALLISTER	03/30/2006
STEPHEN R. LEWIS	03/31/2006
ROGER W. BARTON	03/31/2006
RECEIVING PARTY DATA	
Name:	PIXTRONIX, INC.
Street Address:	100 BURTT ROAD
Internal Address:	SUITE 123
City:	ANDOVER
State/Country:	MASSACHUSETTS
Postal Code:	01810
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11786710
CORRESPONDENCE DATA	
Fax Number:	(617)342-4001
<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>	
Phone:	6173424000
Email:	kquebec@foley.com, ipdocketing@foley.com
Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	111 HUNTINGTON AVENUE
Address Line 2:	SUITE 2500
Address Line 4:	BOSTON, MASSACHUSETTS 02199
ATTORNEY DOCKET NUMBER:	102685-4225 (120734B1C1)
NAME OF SUBMITTER:	KAYLA M. QUEBEC
SIGNATURE:	/Kayla M. Quebec/
DATE SIGNED:	03/25/2015

Total Attachments: 21

source=120734B1C1_Corrective_Assignment#page1.tif
source=120734B1C1_Corrective_Assignment#page2.tif
source=120734B1C1_Corrective_Assignment#page3.tif
source=120734B1C1_Corrective_Assignment#page4.tif
source=120734B1C1_Corrective_Assignment#page5.tif
source=120734B1C1_Corrective_Assignment#page6.tif
source=120734B1C1_Corrective_Assignment#page7.tif
source=120734B1C1_Corrective_Assignment#page8.tif
source=120734B1C1_Corrective_Assignment#page9.tif
source=120734B1C1_Corrective_Assignment#page10.tif
source=120734B1C1_Corrective_Assignment#page11.tif
source=120734B1C1_Corrective_Assignment#page12.tif
source=120734B1C1_Corrective_Assignment#page13.tif
source=120734B1C1_Corrective_Assignment#page14.tif
source=120734B1C1_Corrective_Assignment#page15.tif
source=120734B1C1_Corrective_Assignment#page16.tif
source=120734B1C1_Corrective_Assignment#page17.tif
source=120734B1C1_Corrective_Assignment#page18.tif
source=120734B1C1_Corrective_Assignment#page19.tif
source=120734B1C1_Corrective_Assignment#page20.tif
source=120734B1C1_Corrective_Assignment#page21.tif

05-02-2007

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103401413

To the Director of the U.S. Patent and Trademark Office. Please return the enclosing documents or the new address(es) below.

1. Name of conveying party(ies):

Nesbitt W. Hagood (03/31/2006), Abraham McAllister (03/30/2006), Stephen R. Lewis (03/31/2006), and Roger W. Barton (03/31/2006)

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

2. Name and address of receiving party(ies)

Name: Pixtronix, Incorporated

Internal Address: _____

Street Address: _____

100 Burr Road, Suite 123

City: Andover

State: Massachusetts

Country: United States of America Zip: 01810

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): In parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

11/786710

Additional numbers attached?

☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Edward J. Kelly
FISH & NEAVE IP GROUP, ROPES & GRAY
LLP

Internal Address: Atty. Dkt.: 268502-P02-006

Street Address: One International Place

City: Boston

State: MA Zip: 02110-2624

Phone Number: (617) 951-7532

Fax Number: (617) 951-7050

Email Address: ekelly@ropesgray.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number _____

18-1948

Authorized User Name Edward J. Kelly

9. Signature:

Signature

Edward A. Gordon, Esq. - 54,130

Name of Person Signing

April 12, 2007
Date

Total number of pages including cover sheet, attachments, and documents: 6

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV970402500US, on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 4/12/07

Signature: Joanne Ryan

(Joanne Ryan)

10492714_1

PATENT
REEL: 019243 FRAME: 0814

PATENT
REEL: 035280 FRAME: 0192

ASSIGNMENT

WHEREAS, we, Nesbitt W. Hagood, Abraham McAllister, Stephen Lewis, and Roger Barton, have invented a certain improvement in **DISPLAY METHODS AND APPARATUS** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith; and is about to be filed in the United States Patent Office;

☒ was filed on January 6, 2006 as Application No. 11/326696

☐ was patented under U.S. Patent No. _____ on _____.

Inc.

WHEREAS, Pixtronix, ~~Incorporated~~ (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, having principal offices at 100 Burt Road, Suite 123, Andover, Massachusetts 01810 desires to acquire an interest therein in accordance with agreements duly entered into with us;

mm
Initial
11-14
Date

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 said invention as 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, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application 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 not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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 to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

The undersigned hereby authorizes Ropes & Gray LLP, of One International Place, Boston, MA 02110, to insert hereon any further identification information necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Nesbitt W. Hagood

State of Massachusetts
County of Suffolk)

Then personally appeared before me the above-named Nesbitt W. Hagood and acknowledged that he executed the foregoing instrument as his/her free act and deed this 21st day of March, 2006.

(SEAL)

Kelly P. Pile
Notary Public

My commission expires 12/15/06

268502-P01-006

IN TESTIMONY WHEREOF, we have herunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Abraham McAllister

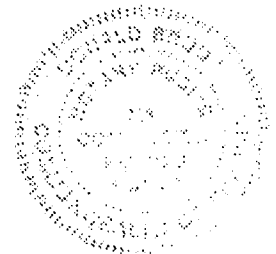
State of Virginia)
County of Fairfax)

Then personally appeared before me the above-named Abraham McAllister and acknowledged that he executed the foregoing instrument as his/her free act and deed this 30 day of March, 2006.

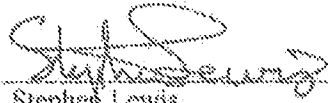
(SEAL)

Notary Public

My commission expires 1/31/09




IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Stephen Lewis

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Stephen Lewis and acknowledged that he executed the foregoing instrument as his/her free act and deed this 25th day of March, 2006.

(SEAL)


Notary Public

My commission expires 12/15/06

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *R. Barton*
 Roger Barton

State of *Massachusetts*)
 County of *Essex*)

Then personally appeared before me the above-named Roger Barton and acknowledged that he executed the foregoing instrument as his/her free act and deed this *31st* day of *March*, 2006.

(SEAL)

Killing Boulton
 Notary Public

My commission expires *12/15/06*

ASSIGNMENT

WHEREAS, we, Nesbitt W. Hagood, Abraham McAllister, Stephen Lewis, and Roger Barton, have invented a certain improvement in **DISPLAY METHODS AND APPARATUS** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith; and is about to be filed in the United States Patent Office;
- ☒ was filed on January 6, 2006 as Application No. 11/326696
- ☐ was patented under U.S. Patent No. _____ on _____

Inc.

WHEREAS, Pixtronix, Incorporated (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, having principal offices at 100 Burr Road, Suite 123, Andover, Massachusetts 01810 desires to acquire an interest therein in accordance with agreements duly entered into with us;

Initial

Date

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 said invention as 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, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application 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 not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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 to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

The undersigned hereby authorizes Ropes & Gray LLP, of One International Place, Boston, MA 02110, to insert hereon any further identification information necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Nesbitt W. Hagood

State of Massachusetts
County of Essex)

Then personally appeared before me the above-named Nesbitt W. Hagood and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Notary Public

My commission expires 12/15/06

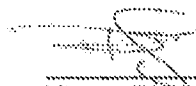
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Abraham McAllister

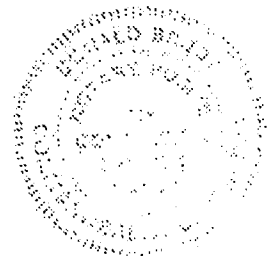
State of Virginia)
County of Essex)

Then personally appeared before me the above-named Abraham McAllister and acknowledged that he executed the foregoing instrument as his/her free act and deed this 30 day of March, 2006.

(SEAL)


Notary Public

My commission expires 1/3/09



IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature:

Stephen Lewis
Stephen Lewis

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Stephen Lewis and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

[Signature]
Notary Public

My commission expires 12/15/06

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *R. Barton*
Roger Barton

State of Massachusetts,
County of Essex)

Then personally appeared before me the above-named Roger Barton and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Kelly Bolner
Notary Public

My commission expires 12/15/06

ASSIGNMENT

WHEREAS, we, Nesbitt W. Hagood, Abraham McAllister, Stephen Lewis, and Roger Barton, have invented a certain improvement in **DISPLAY METHODS AND APPARATUS** described in an application for Letters Patent of the United States, the specification of which:

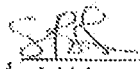
☐ is being executed on even date herewith; and is about to be filed in the United States Patent Office;

☒ was filed on January 6, 2006 as Application No. 11/326696

☐ was patented under U.S. Patent No. _____ on _____

Inc.

WHEREAS, Pixtronix, ~~Incorporated~~ (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, having principal offices at 100 Burt Road, Suite 123, Andover, Massachusetts 01810 desires to acquire an interest therein in accordance with agreements duly entered into with us;


Initial
Nov 15 2010
Date

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 said invention as 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, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application 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 not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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 to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

The undersigned hereby authorizes Ropes & Gray LLP, of One International Place, Boston, MA 02110, to insert hereon any further identification information necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Nesbitt W. Hagood

State of Massachusetts
County of Essex)

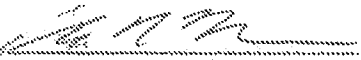
Then personally appeared before me the above-named Nesbitt W. Hagood and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Notary Public

My commission expires 12/15/06

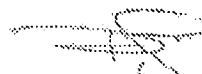
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Abraham McAllister

State of Virginia)
County of Fairfax)

Then personally appeared before me the above-named Abraham McAllister and acknowledged that he executed the foregoing instrument as his/her free act and deed this 30 day of March, 2006.

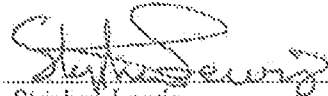
(SEAL)


Notary Public

My commission expires 3/31/07



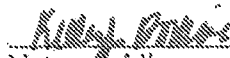
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Stephen Lewis

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Stephen Lewis and acknowledged that he executed the foregoing instrument as his/her free act and deed this 27th day of March, 2006.

(SEAL)


Notary Public

My commission expires 12/15/06

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *Roger Barton*
Roger Barton

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Roger Barton and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Kelly B. Bolivar
Notary Public

My commission expires 12/15/06

ASSIGNMENT

WHEREAS, we, Neshit W. Hagood, Abraham McAllister, Stephen Lewis, and Roger Barton, have invented a certain improvement in **DISPLAY METHODS AND APPARATUS** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith; and is about to be filed in the United States Patent Office;
- ☒ was filed on January 6, 2006 as Application No. 11/326696
- ☐ was patented under U.S. Patent No. _____ on _____

Inc.

WHEREAS, Pixtronix, ~~incorporated~~ (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, having principal offices at 100 Burt Road, Suite 123, Andover, Massachusetts 01810 desires to acquire an interest therein in accordance with agreements duly entered into with us;

AB
Initial
11/15/11
Date

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 said invention as 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, and any reissue, continuation, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention, application 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 not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, 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 such Letters Patent to ASSIGNEE for its own name as assignee of the 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 to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

The undersigned hereby authorizes Ropes & Gray LLP, of One International Place, Boston, MA 02110, to insert hereon any further identification information necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: _____

Nesbitt W. Hagood

State of Massachusetts
County of Essex)


Then personally appeared before me the above-named Nesbitt W. Hagood and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Kelly P. Pike
Notary Public

My commission expires 12/15/06

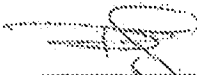
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Abraham McAllister

State of Virginia)
County of Richmond)

Then personally appeared before me the above-named Abraham McAllister and acknowledged that he executed the foregoing instrument as his/her free act and deed this 30 day of March, 2006.

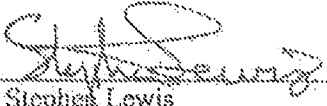
(SEAL)


Notary Public

My commission expires 1/31/09



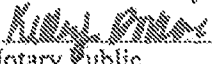
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: 
Stephen Lewis

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Stephen Lewis and acknowledged that he executed the foregoing instrument as his/her free act and deed this 21st day of March, 2006.

(SEAL)


Notary Public

My commission expires 12/15/06

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *R. Barton*
Roger Barton

State of Massachusetts)
County of Essex)

Then personally appeared before me the above-named Roger Barton and acknowledged that he executed the foregoing instrument as his/her free act and deed this 31st day of March, 2006.

(SEAL)

Kellie Bolin
Notary Public

My commission expires 12/15/06