

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the misspelling of inventor Steyn's first name, misspelling of Assignee name to correctly read Pixtronix, Inc., and correct zip code previously recorded on Reel 019221 Frame 0285. Assignor(s) hereby confirms the correction of inventor Steyn's first name, Assignee name to read Pixtronix, Inc., and correct zip code.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nesbitt W. Hagood</td> <td>02/28/2007</td> </tr> <tr> <td>Jasper Lodewyk Steyn</td> <td>02/28/2007</td> </tr> <tr> <td>Richard S. Payne</td> <td>02/28/2007</td> </tr> <tr> <td>Roger W. Barton</td> <td>02/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Nesbitt W. Hagood	02/28/2007	Jasper Lodewyk Steyn	02/28/2007	Richard S. Payne	02/28/2007	Roger W. Barton	02/28/2007
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Pixtronix, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 Burt Road, Suite 123</td> </tr> <tr> <td>City:</td> <td>Andover</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01810</td> </tr> </table>		Name:	Pixtronix, Inc.	Street Address:	100 Burt Road, Suite 123	City:	Andover	State/Country:	MASSACHUSETTS	Postal Code:	01810
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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>11712630</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11712630						
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Application Number:	11712630										
CORRESPONDENCE DATA											
<p>Fax Number: (617)235-9492 Email: joanne.ryan@ropesgray.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: ROPES & GRAY LLP Address Line 1: 800 Boylston Street, Prudential Tower Address Line 2: IPRM Docketing Floor 43 Address Line 4: Boston, MASSACHUSETTS 02199</p>											
ATTORNEY DOCKET NUMBER:	268502-P04-001										

CH \$40.00 11712630

NAME OF SUBMITTER:

Joanne Ryan

Total Attachments: 21

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TO: EDWARD J. KELLY COMPANY: FISH & NEAVE IP GROUP, ROPES & GRAY LLP


04/26/2007 14:46 FAX

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04/26/2007
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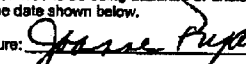
Form PTO-1595 (Rev. 06/05)
OMB No. 0951-0027 (exp. 6/30/2008)

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

RECORDATION FORM COVER SHEET PATENTS ONLY	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies): Nesbitt W. Hagood (02/28/2007), Jasper Lodewyk Steyn (02/26/2007), Richard S. Payne (02/28/2007), and Roger W. Barton (02/28/2007) 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>Pixtronix, Incorporated</u> Internal Address: _____ Street Address: <u>100 Burt Road, Suite 123</u> City: <u>Andover</u> State: <u>Massachusetts</u> Country: <u>United States of America</u> Zip: <u>01810</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/712,630</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Edward J. Kelly</u> <u>FISH & NEAVE IP GROUP, ROPES & GRAY LLP</u> Internal Address: <u>Atty. Dkt.: 268502-P04-001</u> Street Address: <u>One International Place</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02110-2624</u> Phone Number: <u>(617) 951-7532</u> Fax Number: <u>(617) 951-7050</u> Email Address: <u>ekelly@ropesgray.com</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>18-1945</u> Authorized User Name <u>Edward J. Kelly</u>	
9. Signature: <u></u> Signature <u>April 26, 2007</u> Date <u>Edward A. Gordon, Esq. - 54,130</u> Name of Person Signing <u>6</u> Total number of pages including cover sheet, attachments, and documents:	

CH \$40.00 181945 11712630

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (877) 273-0140, on the date shown below.

Dated: 4/26/07 Signature:  (Joanne Ryan)

10509079_1

ASSIGNMENT

WHEREAS, we, ^{Jasper} Nesbitt Hagood, Jason Lodewyk Steyn, Richard S. Payne, and Roger Barton, have invented a certain improvement in METHODS AND APPARATUS FOR SPATIAL LIGHT MODULATION described in an application for Letters Patent of the United States, the specification of which:

NW
Initial
11-15-61
Date

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

was filed on _____ as Application No. _____

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

WHEREAS, ^{Pixtronix, Inc.} ~~Pixtronics, 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 ~~0181~~ desires to acquire an interest therein in accordance with agreements duly entered into with us, ⁰¹⁸¹⁰

NW
Initial
11-15-61
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.

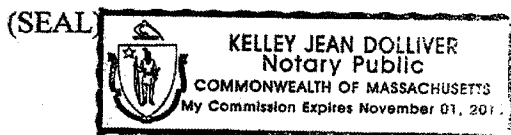
The undersigned hereby authorizes Ropes & Gray LLP, of One International Place, Boston, MA 02110, to insert hereon any further identification information necessary or desirable for recordation of this document.

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*
Nesbitt W. Hagood

State of)
County of)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Nesbitt W. Hagood**, proved to me through satisfactory evidence of identification, which was UNIVERS LICENSE, to be the person whose name is signed on the preceding or attached document in my presence.



Kelley Jean Dolliver
Notary Public

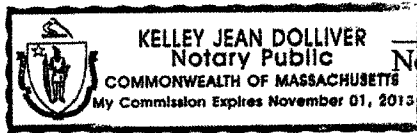
My commission expires 11/1/13

Inventor's Signature: *Jasper Lodewyk Steyn*
Jasper Lodewyk Steyn

State of)
County of)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Jasper Lodewyk Steyn**, proved to me through satisfactory evidence of identification, which was Drivers License, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)



Kelley Dolliver
Notary Public

My commission expires 11/1/13

Inventor's Signature: *Richard S. Payne*
Richard S. Payne

State of)
County of)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Richard S. Payne**, proved to me through satisfactory evidence of identification, which was Drivers License, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Kelley Jean Dolliver
Notary Public



My commission expires 11/11/13

Inventor's Signature: Roger W. Barton
Roger Barton

RWB
2/28/07

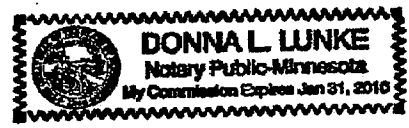
State of Minnesota)
County of Cook)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared Roger Barton, proved to me through satisfactory evidence of identification, which was personally known to me to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Donna L. Lunke
Notary Public


My commission expires 1/31/2010



ASSIGNMENT

Jasper

WHEREAS, we, **Nesbitt Hagood, Jason Lodewyk Steyn, Richard S. Payne, and Roger Barton**, have invented a certain improvement in **METHODS AND APPARATUS FOR SPATIAL LIGHT MODULATION** described in an application for Letters Patent of the United States, the specification of which:


Initial
11-15-2011
Date

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

was filed on _____ as Application No. _____

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

Pixtronix, 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 ~~0181~~ desires to acquire an interest therein in accordance with agreements duly entered into with us, ~~0181~~ 01810


Initial
11-15-2011
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;

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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.

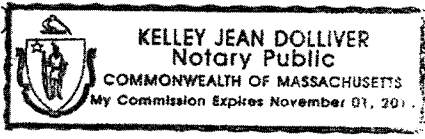
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *Nesbitt W. Hagood*
Nesbitt W. Hagood

State of)
County of)

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(SEAL)



Kelley Jean Dolliver
Notary Public

My commission expires 11/1/13

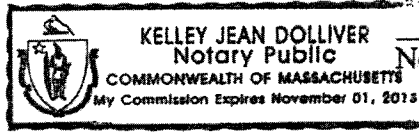
Inventor's Signature: _____

Jasper Lodewyk Steyn

State of _____)
County of _____)

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(SEAL)



Kelley Dolliver
Notary Public

My commission expires 11/1/13

Inventor's Signature: *Richard S. Payne*
Richard S. Payne

State of)
County of)

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(SEAL)

Kelley Dooliver
Notary Public

My commission expires 11/1/13



Inventor's Signature: Roger W. Barton
Roger Barton

RWB
2/28/07

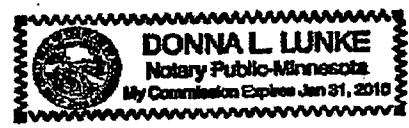
State of MINNESOTA)
County of COOK)

On this 28th day of FEBRUARY, 2007, before me, the undersigned notary public, personally appeared Roger Barton, proved to me through satisfactory evidence of identification, which was PERSONALLY KNOWN TO ME to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Donna L. Lunke
Notary Public

My commission expires 1/31/2010



ASSIGNMENT

WHEREAS, we, **Jasper Nesbitt Hagood, Jason Lodewyk Steyn, Richard S. Payne, and Roger Barton**, have invented a certain improvement in **METHODS AND APPARATUS FOR SPATIAL LIGHT MODULATION** described in an application for Letters Patent of the United States, the specification of which:

RP
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11/15/11
Date

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

was filed on _____ as Application No. _____

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

WHEREAS, **Pixtronix, Inc.** (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 ~~0181~~ desires to acquire an interest therein in accordance with agreements duly entered into with us; \rightarrow 01810

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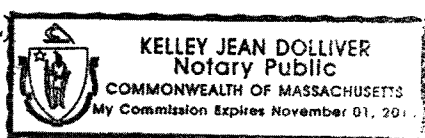
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Inventor's Signature: *Nesbitt W. Hagood*
Nesbitt W. Hagood

State of)
County of)

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(SEAL)



Kelley Jean Dolliver
Notary Public

My commission expires 11/1/13

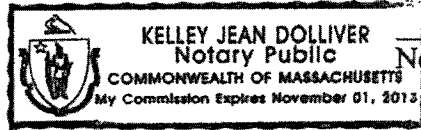
Inventor's Signature: _____

Jasper Lodewyk Steyn

State of _____)
County of _____)

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(SEAL)



Kelley Dolliver
Notary Public

My commission expires _____

11/1/13

Inventor's Signature: *Richard S. Payne*
Richard S. Payne

State of)
County of)

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(SEAL)

Kelley Jean Dolliver
Notary Public

My commission expires 11/1/13



Inventor's Signature: Roger W. Barton
Roger Barton

RWB
2/28/07

State of Minnesota)
County of Cook)

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Donna L. Lunke
Notary Public

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- was filed on _____ as Application No. _____
- was patented under U.S. Patent No _____ on _____.

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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.

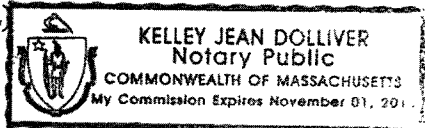
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seal(s) the date set forth below.

Inventor's Signature: *Nesbitt W. Hagood*
Nesbitt W. Hagood

State of)
County of)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Nesbitt W. Hagood**, proved to me through satisfactory evidence of identification, which was DRIVERS LICENSE, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)



Kelley Jean Dolliver
Notary Public

My commission expires 11/1/13

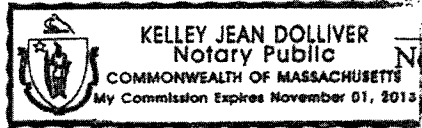
Inventor's Signature: _____

Jasper Lodewyk Steyn

State of _____)
County of _____)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Jasper Lodewyk Steyn**, proved to me through satisfactory evidence of identification, which was Drivers License, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)



Kelley Dolliver
Notary Public

My commission expires 11/1/13

Inventor's Signature: *Richard S. Payne*
Richard S. Payne

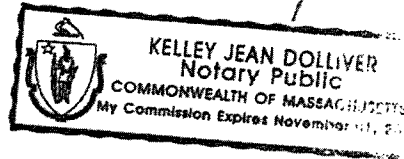
State of)
County of)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared **Richard S. Payne**, proved to me through satisfactory evidence of identification, which was Drivers License, to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Kelley Jean Dolliver
Notary Public

My commission expires 11/1/13



Inventor's Signature: Roger W. Barton
Roger Barton
W

RWB
2/28/07

State of Minnesota)
County of Cook)

On this 28th day of February, 2007, before me, the undersigned notary public, personally appeared Roger Barton, proved to me through satisfactory evidence of identification, which was ~~personally known to me~~ to be the person whose name is signed on the preceding or attached document in my presence.

(SEAL)

Donna L Lunke
Notary Public

My commission expires 1/31/2010

