

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the misspelling of Assignee name to correctly read Pixtronix, Inc. previously recorded on Reel 024731 Frame 0124. Assignor (s) hereby confirms the correction of Assignee name to correctly read Pixtronix, Inc..										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stephen R. Lewis</td> <td>07/12/2010</td> </tr> <tr> <td>Stephen English</td> <td>07/12/2010</td> </tr> <tr> <td>Abraham McAllister</td> <td>07/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Stephen R. Lewis	07/12/2010	Stephen English	07/12/2010	Abraham McAllister	07/12/2010		
Name	Execution Date										
Stephen R. Lewis	07/12/2010										
Stephen English	07/12/2010										
Abraham McAllister	07/12/2010										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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
Name:	Pixtronix, Inc.										
Street Address:	100 Burt Road, Suite 123										
City:	Andover										
State/Country:	MASSACHUSETTS										
Postal Code:	01810										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12652477</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12652477						
Property Type	Number										
Application Number:	12652477										
CORRESPONDENCE DATA											
<p>Fax Number: (617)235-9492</p> <p>Email: joanne.ryan@ropesgray.com</p> <p><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</p> <p>Address Line 1: 800 Boylston Street, Prudential Tower</p> <p>Address Line 2: IPRM Docketing Floor 43</p> <p>Address Line 4: Boston, MASSACHUSETTS 02199</p>											
ATTORNEY DOCKET NUMBER:	268502-0036-101										
NAME OF SUBMITTER:	Joanne Ryan										

CH \$40.00 12652477

501730835

PATENT
 REEL: 027260 FRAME: 0490

Total Attachments: 11

source=268502-0036-101_Correct_Assignment#page1.tif
source=268502-0036-101_Correct_Assignment#page2.tif
source=268502-0036-101_Correct_Assignment#page3.tif
source=268502-0036-101_Correct_Assignment#page4.tif
source=268502-0036-101_Correct_Assignment#page5.tif
source=268502-0036-101_Correct_Assignment#page6.tif
source=268502-0036-101_Correct_Assignment#page7.tif
source=268502-0036-101_Correct_Assignment#page8.tif
source=268502-0036-101_Correct_Assignment#page9.tif
source=268502-0036-101_Correct_Assignment#page10.tif
source=268502-0036-101_Correct_Assignment#page11.tif

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

07/23/2010
 501241612

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>Stephen R. Lewis</td> <td>07/12/2010</td> </tr> <tr> <td>Stephen English</td> <td>07/12/2010</td> </tr> <tr> <td>Abraham McAllister</td> <td>07/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Stephen R. Lewis	07/12/2010	Stephen English	07/12/2010	Abraham McAllister	07/12/2010				
Name	Execution Date												
Stephen R. Lewis	07/12/2010												
Stephen English	07/12/2010												
Abraham McAllister	07/12/2010												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Pixtronix, Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>100 Burt Road</td> </tr> <tr> <td>Internal Address:</td> <td>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, Incorporated	Street Address:	100 Burt Road	Internal Address:	Suite 123	City:	Andover	State/Country:	MASSACHUSETTS	Postal Code:	01810
Name:	Pixtronix, Incorporated												
Street Address:	100 Burt Road												
Internal Address:	Suite 123												
City:	Andover												
State/Country:	MASSACHUSETTS												
Postal Code:	01810												
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>12652477</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12652477								
Property Type	Number												
Application Number:	12652477												
CORRESPONDENCE DATA													
<p>Fax Number: (617)235-9492 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-951-7000 Email: liseann.ruggeri@ropesgray.com</p> <p>Correspondent Name: ROPES & GRAY LLP Address Line 1: One International Place Address Line 2: 39 / 41 Docketing Address Line 4: Boston, MASSACHUSETTS 02110</p>													
ATTORNEY DOCKET NUMBER:	268502-0036-101												
NAME OF SUBMITTER:	Lise Ann Ruggeri												
Total Attachments: 3													

CH \$40.00 12652477

TO:ROPES & GRAY LLP COMPANY:ONE INTERNATIONAL PLACE

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif

ASSIGNMENT

WHEREAS, we, **Stephen R. Lewis, Stephen English and Abraham McAllister**, have invented a certain improvement in **CIRCUITS FOR CONTROLLING DISPLAY 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 5, 2010** as Application No. **12/652,477**

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

WHEREAS, **Pixtronix, Inc.**, ~~Incorporated~~ (hereinafter "ASSIGNEE"), a corporation 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;

SRS
Initial
Nov 15, 2017
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.

Inventor 
 Stephen R. Lewis

Date: 7/12/10

Address _____

Inventor 
 Stephen English

Date: 7/12/10

Address _____

Inventor 
 Abraham McAllister

Date: 7/12/10

Address _____

Witness _____

Date: _____

Address _____

Witness _____

Date: _____

Address _____

ASSIGNMENT

WHEREAS, we, **Stephen R. Lewis, Stephen English and Abraham McAllister**, have invented a certain improvement in **CIRCUITS FOR CONTROLLING DISPLAY 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 5, 2010** as Application No. **12/652,477**

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

Inc.

WHEREAS, **Pixtronix, Incorporated** (hereinafter "ASSIGNEE"), a corporation 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

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;

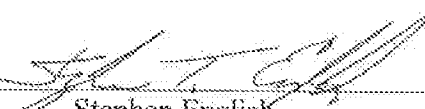
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, 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.

Inventor  Date: 7/12/10
Stephen R. Lewis

Address _____

Inventor  Date: 7/12/10
Stephen English

Address _____

Inventor  Date: 7/12/10
Abraham McAllister

Address _____

Witness _____ Date: _____

Address _____

Witness _____ Date: _____

Address _____

ASSIGNMENT

WHEREAS, we, Stephen R. Lewis, Stephen English and Abraham McAllister, have invented a certain improvement in **CIRCUITS FOR CONTROLLING DISPLAY 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 5, 2010 as Application No. 12/652,477

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

Inc.
WHEREAS, Pixtronix, ~~Incorporated~~ (hereinafter "ASSIGNEE"), a corporation 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

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.

Inventor 
Stephen R. Lewis

Date: 7/12/10

Address _____

Inventor 
Stephen English

Date: 7/12/10

Address _____

Inventor 
Abraham McAllister

Date: 7/12/10

Address _____

Witness _____

Date: _____

Address _____

Witness _____

Date: _____

Address _____
