

|                                      |
|--------------------------------------|
| <b>PATENT ASSIGNMENT COVER SHEET</b> |
|--------------------------------------|

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3261524

|                              |                |
|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| ANITA TRAJKOVSKA  | 12/29/2014     |
| RONALD D. BLUM    | 01/19/2015     |
| WILLIAM KOKONASKI | 01/13/2015     |

**RECEIVING PARTY DATA**

|                        |                       |
|------------------------|-----------------------|
| <b>Name:</b>           | PIXELOPTICS, INC.     |
| <b>Street Address:</b> | 5241 VALLEYPARK DRIVE |
| <b>City:</b>           | ROANOKE               |
| <b>State/Country:</b>  | VIRGINIA              |
| <b>Postal Code:</b>    | 24019                 |

**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 13742804 |

**CORRESPONDENCE DATA**

**Fax Number:** (202)371-2540

*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.*

**Phone:** 2023712600

**Email:** bdooley@skgf.com

**Correspondent Name:** STERNE, KESSLER, GOLDSTEIN & FOX PLLC

**Address Line 1:** 1100 NEW YORK AVE NW

**Address Line 4:** WASHINGTON, D.C. 20005

|                                |                        |
|--------------------------------|------------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 3585.0710003           |
| <b>NAME OF SUBMITTER:</b>      | JOHN P. MCGROARTY      |
| <b>SIGNATURE:</b>              | /John McGroarty 41186/ |
| <b>DATE SIGNED:</b>            | 03/11/2015             |

**Total Attachments: 9**

source=3585\_0710003\_Executed\_ConfAssign#page1.tif  
 source=3585\_0710003\_Executed\_ConfAssign#page2.tif  
 source=3585\_0710003\_Executed\_ConfAssign#page3.tif  
 source=3585\_0710003\_Executed\_ConfAssign#page4.tif

source=3585\_0710003\_Executed\_ConfAssign#page5.tif  
source=3585\_0710003\_Executed\_ConfAssign#page6.tif  
source=3585\_0710003\_Executed\_ConfAssign#page7.tif  
source=3585\_0710003\_Executed\_ConfAssign#page8.tif  
source=3585\_0710003\_Executed\_ConfAssign#page9.tif

## CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Anita TRAJKOVSKA, Ronald D. BLUM, and William KOKONASKI**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, January 16, 2013, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **FLEXIBLE FILM WITH SURFACE RELIEF AND USE THEREOF IN ELECTRO-ACTIVE OPTICAL SYSTEMS** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of January 16, 2013 (also known as United States Application No. 13/742,804) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

**PATENT**

**REEL: 035188 FRAME: 0461**

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor, and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 12/29/2014

Signature of Inventor: *A. Trajkovska*  
Anita TRAJKOVSKA

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Ronald D. BLUM

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
William KOKONASKI

1878385\_LDOC

## CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Anita TRAJKOVSKA, Ronald D. BLUM, and William KOKONASKI**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, January 16, 2013, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **FLEXIBLE FILM WITH SURFACE RELIEF AND USE THEREOF IN ELECTRO-ACTIVE OPTICAL SYSTEMS** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of January 16, 2013 (also known as United States Application No. 13/742,804) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_

Anita TRAJKOVSKA

Date: 1/19/15

Signature of Inventor: \_\_\_\_\_

Ronald D. BLUM

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
William KOKONASKI

1878395\_1.DOC



## CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Anita TRAJKOVSKA, Ronald D. BLUM, and William KOKONASKI**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, January 16, 2013, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **FLEXIBLE FILM WITH SURFACE RELIEF AND USE THEREOF IN ELECTRO-ACTIVE OPTICAL SYSTEMS** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of January 16, 2013 (also known as United States Application No. 13/742,804) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: Signature of Inventor:  
Anita TRAJKOVSKA

Date: Signature of Inventor:  
Ronald D. BLUM

Date: 1-13-15

Signature of Inventor:



William KOKONASKI

1878395\_1.DOC