

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3945350

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUSSEIN S. EL-GHOROURY	06/03/2016
MIKHAIL V. KISIN	06/03/2016
YEA-CHUAN MILTON YEH	06/02/2016
CHIH-LI CHUANG	06/24/2016
JYH-CHIA CHEN	06/02/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Ostendo Technologies, Inc.
<b>Street Address:</b>	6185 Paseo del Norte, Suite 200
<b>City:</b>	Carlsbad
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92011
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15173485
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(714)557-3347
<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>	
<b>Phone:</b>	(714)557-3800
<b>Email:</b>	jessica_clark@bstz.com
<b>Correspondent Name:</b>	BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
<b>Address Line 1:</b>	1279 OAKMEAD PARKWAY
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085
<b>ATTORNEY DOCKET NUMBER:</b>	7682P055A1
<b>NAME OF SUBMITTER:</b>	ROGER W. BLAKELY, JR., REG. NO. 25,831
<b>SIGNATURE:</b>	/RWB/
<b>DATE SIGNED:</b>	07/01/2016
<b>Total Attachments: 8</b>	
source=7682P055A1_Assignment#page1.tif	

source=7682P055A1\_Assignment#page2.tif  
source=7682P055A1\_Assignment#page3.tif  
source=7682P055A1\_Assignment#page4.tif  
source=7682P055A1\_Assignment#page5.tif  
source=7682P055A1\_Assignment#page6.tif  
source=7682P055A1\_Assignment#page7.tif  
source=7682P055A1\_Assignment#page8.tif

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventors:

**Hussein S. El-Ghoroury; Mikhail V. Kisin; Yea-Chuan Milton Yeh; Chih-Li Chuang; Jyh-Chia Chen**

hereby sell, assign, and transfer to

**Ostendo Technologies, Inc.**

a Corporation of California; having a principal place of business at 6185 Paseo del Norte, Suite 200, Carlsbad, California 92011 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **Light Emitting Structures with Selective Carrier Injection Into Multiple Active Layers**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]


United States Patent Application Number 15/173,485 filed 06/03/2016

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

6/3/2016   
Date Name: Hussein S. El-Ghorouy

06/03/16   
Date Name: Mikhail V. Kisin

\_\_\_\_\_  
Date Name: Yea-Chuan Milton Yeh

\_\_\_\_\_  
Date Name: Chih-Li Chuang

\_\_\_\_\_  
Date Name: Jyh-Chia Chen

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

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

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

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

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

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

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

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventors:

**Hussein S. El-Ghoroury; Mikhail V. Kisin; Yea-Chuan Milton Yeh; Chih-Li Chuang; Jyh-Chia Chen**

hereby sell, assign, and transfer to

**Ostendo Technologies, Inc.**

a Corporation of California; having a principal place of business at 6185 Paseo del Norte, Suite 200, Carlsbad, California 92011 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **Light Emitting Structures with Selective Carrier Injection Into Multiple Active Layers**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 15/173,485 filed 06/03/2016

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and


covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

---

\_\_\_\_\_  
Date Name: Hussein S. El-Ghoroury

\_\_\_\_\_  
Date Name: Mikhail V. Kisin

6/2/2016   
Date Name: Yea-Chuan Milton Yeh

\_\_\_\_\_  
Date Name: Chih-Li Chuang

\_\_\_\_\_  
Date Name: Jyh-Chia Chen

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

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

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

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

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

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

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

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventors:

**Hussein S. El-Ghoroury; Mikhail V. Kisin; Yea-Chuan Milton Yeh; Chih-Li Chuang; Jyh-Chia Chen**

hereby sell, assign, and transfer to

**Ostendo Technologies, Inc.**

a Corporation of California, having a principal place of business at 6185 Paseo del Norte, Suite 200, Carlsbad, California 92011 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **Light Emitting Structures with Selective Carrier Injection Into Multiple Active Layers**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 15/173,485 filed June 03, 2016,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

---

\_\_\_\_\_  
Date Name: Hussein S. El-Ghoroury

\_\_\_\_\_  
Date Name: Mikhail V. Kisin

\_\_\_\_\_  
Date Name: Yea-Chuan Milton Yeh

6/24/16  
\_\_\_\_\_  
Date Name:  Chih-Li Chuang

\_\_\_\_\_  
Date Name: Jyh-Chia Chen

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

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

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

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

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

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

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



## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventors:

**Hussein S. El-Ghoroury; Mikhail V. Kisin; Yea-Chuan Milton Yeh; Chih-Li  
Chuang; Jyh-Chia Chen**

hereby sell, assign, and transfer to

**Ostendo Technologies, Inc.**

a Corporation of California; having a principal place of business at 6185 Paseo del Norte, Suite 200, Carlsbad, California 92011 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **Light Emitting Structures with Selective Carrier Injection Into Multiple Active Layers**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 15/173,485 filed 06/03/2016

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date \_\_\_\_\_ Name: Hussein S. El-Ghoroury

Date \_\_\_\_\_ Name: Mikhail V. Kisin

Date \_\_\_\_\_ Name: Yea-Chuan Milton Yeh

Date June 2, 2016 Name: Chih-Li Chuang 

Date \_\_\_\_\_ Name: Jyh-Chia Chen

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

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

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

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

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

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

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