502775617 04/21/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JULIAN OSINSKI	04/09/2014
JUANITA N. KURTIN	04/08/2014
BENJAMIN DANIEL MANGUM	04/08/2014
RON NELSON	04/08/2014

RECEIVING PARTY DATA

Name:	Pacific Light Technologies, Corp.
Street Address:	2828 SW Corbett Ave.
Internal Address:	Suite 3
City:	Portland
State/Country:	OREGON
Postal Code:	97201

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14201021

CORRESPONDENCE DATA

Fax Number: (503)439-6073

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US Mail.

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Email: terri_fuller@bstz.com

Correspondent Name: GREGORY D. CALDWELL **Address Line 1:** 1279 OAKMEAD PARKWAY

Address Line 4: SUNNYVALE, CALIFORNIA 94085-4040

NAME OF SUBMITTER:	GREGORY D. CALDWELL
SIGNATURE:	/Gregory D. Caldwell/
DATE SIGNED:	04/21/2014

Total Attachments: 4

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PATENT 502775617 REEL: 032719 FRAME: 0175

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PATENT REEL: 032719 FRAME: 0176 Attorney's Docket No.: 9335P019

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventor(s):

Julian OSINSKI; Juanita N. KURTIN; Benjamin Daniel MANGUM; Ron NELSON

hereby sell, assign, and transfer to

Pacific Light Technologies Corp.

a Corporation of Oregon, having a principal place of business at 2828 SW Corbett Ave. ST3, Portland, Oregon 97201 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

MULTIPLE QUANTUM DOT (QD) DEVICE

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

[I/we hereby authorize an attorney of filing date of said patent application when kn		nee to inse	rt below the application number and
United States Patent Application Number	14/201,021	filed _	March 07, 2014,
and in and to said application (provisions)	l or non provisional\ a	معمال معمد	deienel emplications was assistant

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, 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

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PATENT REEL: 032719 FRAME: 0177 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:
<u> 4/4/14</u> Date	Name: Julian OSINSKI
Date	Name: Juanita N. KURTIN
Date	Name: Benjamin Daniel MANGUM
Date	Name: Ron NELSON
Date	Name:

Name:

Date

Attorney's Docket No.: 9335P019

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventor(s):

Julian OSINSKI; Juanita N. KURTIN; Benjamin Daniel MANGUM; Ron NELSON

hereby sell, assign, and transfer to

Pacific Light Technologies Corp.

a Corporation of Oregon, having a principal place of business at 2828 SW Corbett Ave. ST3, Portland, Oregon 97201 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

MULTIPLE QUANTUM DOT (QD) DEVICE

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	filed	March 07, 2014 .

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, continuation applications, continuation applications, continuation applications, reissue applications, recexaminations, extensions, and all other patent applications that have been or shall be filled 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 filling 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, 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

9335P019 Page 1 of 2

PATENT REEL: 032719 FRAME: 0179 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.

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Each Inventor: Please Sign and Date Below:

Date	Name: Julian OŞINSKI
4/8/14	LUM
Date	Name: Juanita N. KURTIN
4/8/14	
Date	Name: Benjamin Daniel MANGUM
4/8/14	Mar MIX
Date	Name: Ron NELSON
Date	Name:

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