

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3603486

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SETH COE-SULLIVAN	07/19/2012
JOHN R. LINTON	07/12/2012
SRIDHAR SADASIVAN	06/15/2012
MOUNGI G. BAWENDI	07/16/2013
EMILY M. SQUIRES	12/20/2010
RECEIVING PARTY DATA	
Name:	QD VISION, INC.
Street Address:	29 HARTWELL AVENUE
City:	LEXINGTON
State/Country:	MASSACHUSETTS
Postal Code:	02421
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14886867
CORRESPONDENCE DATA	
Fax Number:	(781)372-3281
<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>	
Phone:	781-652-7400
Email:	qdvip@qdvision.com
Correspondent Name:	MARTHA ANN FINNEGAN
Address Line 1:	29 HARTWELL AVENUE
Address Line 4:	LEXINGTON, MASSACHUSETTS 02421
ATTORNEY DOCKET NUMBER:	QDV129USC1
NAME OF SUBMITTER:	HEATHER TANASHIAN
SIGNATURE:	/Heather Tanashian/
DATE SIGNED:	11/05/2015
Total Attachments: 4	
source=QDV129PCT_Assignment_SCS_JL_SS_MB_ES#page1.tif	

source=QDV129PCT_Assignment_SCS_JL_SS_MB_ES#page2.tif

source=QDV129PCT_Assignment_SCS_JL_SS_MB_ES#page3.tif

source=QDV129PCT_Assignment_SCS_JL_SS_MB_ES#page4.tif

JOINT INVENTION

ASSIGNMENT

(Worldwide Rights)

WHEREAS We, the undersigned (herein after referred to as "Assignors" or "We"), are named as inventors in the patent application entitled:

**SOLID STATE LIGHTING DEVICES INCLUDING QUANTUM CONFINED
SEMICONDUCTOR NANOPARTICLES, AN OPTICAL COMPONENT FOR
A SOLID STATE LIGHT DEVICE, AND METHODS**

for which International Patent Application No. **PCT/US2009/002789** was filed on 6 May 2009, and

WHEREAS, QD Vision, Inc., a corporation of Delaware (U.S.A.), whose post office address is 313 Pleasant Street, 4th Floor, Watertown, Massachusetts 02472 (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest throughout the world in and to the inventions and improvements which are the subject of the above identified application;

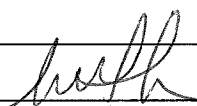
NOW THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, the entire right, title, and interest throughout the world in and to the inventions and improvements which are the subject of said application, this assignment including said application, all utility applications claiming priority from said application, divisions, continuations-in-part, and continuations of the foregoing, any and all Letters Patent of the United States which may be granted for any of said inventions and improvements, any and all reissues thereof, any and all foreign patents, utility models, and design registrations granted for any of said inventions and improvements in any foreign country, any and all extensions, renewals, and reissues thereof, all rights to claim priority based on the filing date of said application, including the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other statutes and treaties of like purpose; and We authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models and design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree for ourselves and our respective heirs, legal representatives and assigns that We will, without further compensation, perform such lawful acts as Assignee may reasonably request to effectuate fully this assignment, including, but not limited to, communicating with Assignee, its successors and assigns, any facts known to us respecting said inventions and improvements, testifying in any legal proceeding, signing all lawful papers when called upon to do so, executing and delivering any and all papers that may be necessary or desirable to perfect the title to said inventions and improvements in said Assignee, its successors and assigns, executing said application and all further applications, making all rightful oaths and generally performing other lawful acts reasonably requested by Assignee, its successors and assigns, to obtain and enforce proper patent and other rights in and to said inventions and improvements in the United States and any

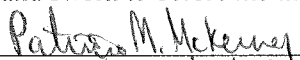
foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN WITNESS WHEREOF, I hereto set my hand:

FULL NAME OF FIRST ASSIGNOR: SETH COE-SULLIVAN	
Address: 1917 BELMONT LANE, UNIT B, REDONDO BEACH, CA 90278 US	
Signature:	
Date:	7/19/12

County of Middlesex ss)
State of Massachusetts)

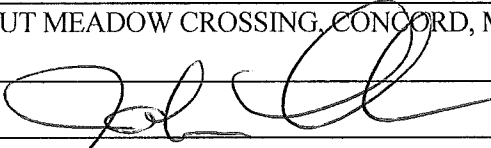
Subscribed and sworn to before me this 19th day of July, 2010.


Patricia M. McKenney
Notary Public

SEAL

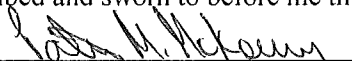
My commission expires: 10/14/2016

IN WITNESS WHEREOF, I hereto set my hand:

FULL NAME OF SECOND ASSIGNOR: JOHN R. LINTON	
Address: 95 NUT MEADOW CROSSING, CONCORD, MA 01742 US	
Signature:	
Date:	12 July 12

County of Middlesex ss)
Commonwealth of Massachusetts)

Subscribed and sworn to before me this 12 day of July, 2010.


Patricia M. McKenney
Notary Public

SEAL

My Commission Expires: 10/14/2016

IN WITNESS WHEREOF, I hereto set my hand:

FULL NAME OF THIRD ASSIGNOR: SRIDHAR SADASIVAN	
Address: 55 ALBION STREET, SOMERVILLE, MA 02143 US	
Signature:	<i>S. Sridhar</i>
Date:	6/15/12

County of Middlesex ss)
Commonwealth of Massachusetts)

Subscribed and sworn to before me this 15th day of June, 2012

Patricia McKenney Notary Public

Patricia McKenney

SEAL My commission expires: 10/14/16

IN WITNESS WHEREOF, I hereto set my hand:

FULL NAME OF FOURTH ASSIGNOR: MOUNGI G. BAWENDI	
Address: 17 LOWELL STREET, CAMBRIDGE, MA 02139-4307 US	
Signature:	<i>Mongi G. Bawendi</i>
Date:	7/16/2013

County of Middlesex ss)
Commonwealth of Massachusetts)

Subscribed and sworn to before me this _____ day of _____, 2010.

Notary Public

SEAL

IN WITNESS WHEREOF, I hereto set my hand:

FULL NAME OF FIFTH ASSIGNOR: EMILY M. SQUIRES
Address: 57 ORCHID DRIVE, LITTLETON, MA 01460 US
Signature: <i>Emily M. Squires</i>
Date: <i>20 December 2010</i>

County of Middlesex ss)
Commonwealth of Massachusetts)

Subscribed and sworn to before me this 20 day of December, 2010.

Gloria J. Nicosia Notary Public

SEAL



GLORIA J. NICOSIA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
January 20, 2017