

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN MICHAEL DALLESSASSE	11/13/2015
BENJAMIN KESLER	11/16/2015
THOMAS O'BRIEN JR	12/09/2015
<b>RECEIVING PARTY DATA</b>	
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<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14933716
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<b>ATTORNEY DOCKET NUMBER:</b>	9375-0037
<b>NAME OF SUBMITTER:</b>	ANDREW GUST
<b>SIGNATURE:</b>	/Andrew Gust/
<b>DATE SIGNED:</b>	12/16/2015
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, We, **John Michael Dallesasse**, residing at 2684 Berkshire Dr., Geneva, IL 60134, and **Benjamin Kesler**, residing at 112 N. Neil St., Apt. F, Champaign, IL 61820, and **Thomas O'Brien Jr.**, residing at 410 Ginger Bend Dr., Apt. 305, Champaign, IL 61822, hereinafter called the "Assignor(s)", have made the invention described in the United States Patent Application entitled **MODE CONTROL IN VERTICAL-CAVITY SURFACE-EMITTING LASERS**; Attorney Docket No. TF14080-US\_9375-0037, US Patent Application No. 14/933,716, for a full description of which reference is here made to an application for Letters Patent of the United States filed on herewith and,

311 W.  
CLARK ST.,  
# 202  
Bx  
11/16/15

WHEREAS, **THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS**, a corporation organized and existing under and by virtue of the laws of the State of , having a place of business at 352 Henry Administration Building, 506 South Wright Street, Urbana, IL 61801, hereinafter called the "Assignee", desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which by the Assignor(s) from the Assignee is hereby acknowledged, the Assignor(s) have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

AND said Assignor(s) hereby covenant and agree, for both the Assignor(s) and the Assignor(s)' legal representatives, that the Assignor(s) will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor(s) will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignor(s) authorize the Assignee, any agent of the Assignee, and any attorney of the Assignee to fill in the U.S. Application Serial No. above, and any further identification information, if required.

AND said Assignor(s) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on all divisions and continuations thereof, to said Assignee, its assigns and legal representatives, in accordance with the terms of this Assignment.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, or any form of an electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

IN TESTIMONY WHEREOF, this Assignment is executed by said Assignor(s), on the date(s) listed below.

John Michael Dallesasse

11/13/2015  
Date

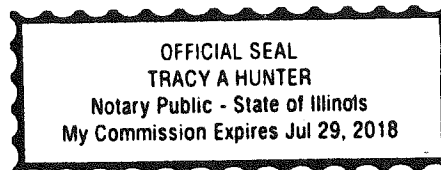
STATE OF Illinois) SS

COUNTY OF Champaign)

The foregoing instrument was sworn to and subscribed before me this 13<sup>th</sup> day of  
November, 2015 by John Michael Dallesasse, who is:

- ☒ personally known to me; or  
☐ produced identification; identification type: \_\_\_\_\_

Tracy A Hunter  
Notary Signature  
Print, type or stamp name of notary



BK 11/16/15  
Benjamin Kesler Date

STATE OF Illinois) SS

COUNTY OF Champaign)

The foregoing instrument was sworn to and subscribed before me this 16th day of  
November, 2015 by Benjamin Kesler , who is:

- ☒ personally known to me; or  
☐ produced identification; identification type: \_\_\_\_\_

Tracy A Hunter  
Notary Signature  
Print, type or stamp name of notary



Thomas O'Brien Jr.  
Thomas O'Brien Jr.

12/9/2015  
Date

STATE OF Illinois) SS

COUNTY OF Champaign)

The foregoing instrument was sworn to and subscribed before me this 9th day of  
December, 2015 by Thomas O'Brien Jr., who is:

☐ personally known to me; or

☒ produced identification; identification type: Illinois Drivers License

Tracy A Hunter

Notary Signature

Print, type or stamp name of notary

