

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nelson Tansu</td> <td>04/13/2011</td> </tr> <tr> <td>Helen M. Chan</td> <td>01/06/2011</td> </tr> <tr> <td>Richard P. Vinci</td> <td>01/19/2011</td> </tr> <tr> <td>Yik-Khoon Ee</td> <td>06/01/2011</td> </tr> <tr> <td>Jeffrey Biser</td> <td>01/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	Nelson Tansu	04/13/2011	Helen M. Chan	01/06/2011	Richard P. Vinci	01/19/2011	Yik-Khoon Ee	06/01/2011	Jeffrey Biser	01/05/2011
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CORRESPONDENCE DATA													
<p>Fax Number: (215)972-4169 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2159727880 Email: MSimpson@saul.com Correspondent Name: Mark D. Simpson Address Line 1: Centre Square West, 1500 Market Street Address Line 2: 38th Floor Address Line 4: Philadelphia, PENNSYLVANIA 19102</p>													
ATTORNEY DOCKET NUMBER:	355940.00088												

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PATENT
REEL: 026377 FRAME: 0133

NAME OF SUBMITTER:

Mark D. Simpson

Total Attachments: 7

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ASSIGNMENT

WHEREAS, each undersigned inventor, **NELSON TANSU, HELEN M. CHAN, RICHARD P. VINCI, YIK-KHOON EE and JEFFREY BISER**, hereafter referred to singly and collectively as "Assignor," residing at the address(es) listed below, has invented certain new and useful modifications, improvements, and inventions relating to a(n) **An Abbreviated Epitaxial Growth Mode (AGM) Method for Reducing Cost and Improving Quality of LEDs and Lasers**

☐ for which an application for a United States Patent will be subsequently filed. Assignor hereby authorizes and requests an attorney having the power of attorney to prosecute the application from Saul Ewing LLP to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of the application when known and to insert in this Assignment any other identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this Assignment.

☒ for which an application for a United States Patent was filed on December 17, 2010, Application Number 12/972,418.

and

WHEREAS, **LEHIGH UNIVERSITY**, whose street address is **Office of Technology Transfer, 354 Whitaker Laboratory, 5 East Packer Avenue, Bethlehem, Pennsylvania 18015**, herein referred to as "Assignee," is desirous of acquiring the entire right, title and interest in the same.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, Assignor has irrevocably sold, assigned, transferred and set over, and hereby irrevocably sells, assigns, transfers and sets over unto the Assignee, its lawful successors and assigns, Assignor's entire right, title and interest in and to all inventions disclosed in this application, including any modifications, improvements, and related inventions, whether presently disclosed in this application or not, and any related provisional, nonprovisional, original, regular, counterpart,

reissue, and re-examination applications, including extensions, divisional, continuation, and continuation-in-part applications thereof in the United States, any foreign country, or under any international treaty or convention, and all Letters Patent of the United States which may be granted thereon, and all rights to claim priority on the basis of such application, and all applications for Letters Patent that may hereafter be filed for such inventions in any foreign country or under any international treaty or convention and all Letters Patent which may be granted on such inventions in any foreign country or under any international treaty or convention, and all extensions, renewals, and reissues thereof; and Assignor hereby authorizes and requests the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications or inventions as described herein, to issue all Letters Patent for such inventions to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor hereby covenants that Assignor has the full and unencumbered right to convey the interests assigned by this Assignment, and Assignor has not executed and will not execute any agreement in conflict with this Assignment;



AND, Assignor hereby further acknowledges that Assignee has sole control and decision-making authority regarding the prosecution of this application and any application for related inventions, and that Assignee may require Assignor's cooperation for further preparation and prosecution of such applications, which cooperation will be provided without further consideration, including but not limited to reviewing specifications, executing petitions, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor relating to this application or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in Assignor's control or in the control of Assignor's heirs or legal representatives and that may be useful for establishing the facts of conception, disclosure, or reduction to practice of any invention, including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings; and to testify in person or by affidavit as required by Assignee, its successors and assigns, in any such proceeding in the United States or a country

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

AND, Assignor hereby further acknowledges Assignor's obligation to assign this application to Assignee, as well as applications for all modifications, improvements, and related inventions, whether presently included in this application or not;

Assignor hereby declares that all statements made herein of Assignor's own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

IN WITNESS WHEREOF and INTENDING TO BE LEGALLY BOUND, We/I
hereunto set our/my hand(s) having read and understood this Assignment.

	<u>4/13/11</u>		<u>Liu 04/13/11</u>
Assignor	Date	Witness	Date

NELSON TANSU
6765 Gwenmawr Road
Bethlehem, PA 18017
United States of America

<u>Le zhao</u>	<u>04/13/11</u>
Witness	Date

_____ Assignor	_____ Date	_____ Witness	_____ Date
HELEN M. CHAN 5626 Flacon Drive Bethlehem, PA 18017 United States of America		_____ Witness _____ Date	

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

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Assignor

Date

NELSON TANSU

6765 Gwenmawr Road

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United States of America

Witness

Date

Witness

Date

Helen Chan 1/6/11

Assignor

Date

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Jeffrey M. Chan 1/6/11

Witness

Date

Raymond Chan 1/6/11

Witness

Date

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E. Luciani 1/19/11
Witness Date

Susan L. Keller 1/19/11
Witness Date

Assignor Date

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United States of America

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Attorney Docket No.: 355940.00088-U1

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