PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN R. JOSEPH	06/04/2014
RICHARD F. CARSON	06/04/2014
MIAL E. WARREN	06/05/2014
KEVIN L. LEAR	05/29/2014
TOM WILCOX	06/04/2014

RECEIVING PARTY DATA

Name:	TRILUMINA CORP.	
Street Address:	800 BRADBURY DRIVE SE	
Internal Address:	SUITE 116	
City:	ALBUQUERQUE	
State/Country:	NEW MEXICO	
Postal Code:	87106	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13900489

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 215-568-3100

Email: assignments@woodcock.com **Correspondent Name: BAKER & HOSTETLER LLP** Address Line 1: **CIRA CENTRE 12TH FLOOR**

Address Line 2: 2929 ARCH STREET

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104-2891

ATTORNEY DOCKET NUMBER:	101514.000031
NAME OF SUBMITTER:	KATIE HOWE
SIGNATURE:	/Katie Howe/
DATE SIGNED:	06/06/2014

Total Attachments: 5

PATENT

REEL: 033050 FRAME: 0098 502841683

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> PATENT REEL: 033050 FRAME: 0099

ASSIGNMENT

WHEREAS, I, John R. Joseph, citizen of United States of America, residing in Albuquerque, New Mexico, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application No. 13/900,489, filed May 22, 2013 ("the invention"), which is entitled High Brightness Pulsed VCEL Sources ("the subject application"), and which claims priority to patent application numbers 13/077,769 filed March 31, 2011, 12/707,657 filed February 17, 2010 and 61/153,190 filed February 17, 2009 ("the priority applications").

AND WHEREAS, TriLumina Corporation, ASSIGNEE, having a place of business at 800 Bradbury Drive, Suite 116 Albuquerque, NM 87106, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority applications, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority applications and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 4 day of June, year of 20/4

Signature

Page 1 of 1

ASSIGNMENT

WHEREAS, I, Richard F. Carson, citizen of United States of America, residing in Albuquerque, New Mexico, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application No. 13/900,489, filed May 22, 2013 ("the invention"), which is entitled High Brightness Pulsed VCEL Sources ("the subject application"), and which claims priority to patent application numbers 13/077,769 filed March 31, 2011, 12/707,657 filed February 17, 2010 and 61/153,190 filed February 17, 2009 ("the priority applications").

AND WHEREAS, TriLumina Corporation, ASSIGNEE, having a place of business at 800 Bradbury Drive, Suite 116 Albuquerque, NM 87106, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority applications, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority applications and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 44 day of 749, year of 2014.

Signature

ASSIGNMENT

WHEREAS, I, Mial E. Warren, citizen of United States of America, residing in Albuquerque, New Mexico, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application No. 13/900,489, filed May 22, 2013 ("the invention"), which is entitled High Brightness Pulsed VCEL Sources ("the subject application"), and which claims priority to patent application numbers 13/077,769 filed March 31, 2011, 12/707,657 filed February 17, 2010 and 61/153,190 filed February 17, 2009 ("the priority applications").

AND WHEREAS, TriLumina Corporation, ASSIGNEE, having a place of business at 800 Bradbury Drive, Suite 116 Albuquerque, NM 87106, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority applications, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority applications and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 5 × 6 day of Tune, year of 20/4.

Signature

Page 1 of 1

ASSIGNMENT

WHEREAS, I, Kevin L. Lear, citizen of United States of America, residing at 1809 Globe Court, Fort Collins, Colorado 80528, ASSIGNOR, am an inventor of one or more inventions disclosed. described and/or claimed in the application identified as Application No. 13/900,489, filed May 22, 2013 ("the invention"), which is entitled High Brightness Pulsed VCEL Sources ("the subject application"), and which claims priority to patent application numbers 13/077,769 filed March 31, 2011, 12/707,657 filed February 17, 2010 and 61/153,190 filed February 17, 2009 ("the priority applications").

AND WHEREAS, TriLumina Corporation, ASSIGNEE, having a place of business at 800 Bradbury Drive, Suite 116 Albuquerque, NM 87106, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation. all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority applications, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents. including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority applications and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

9th day of May, year of 2014

ASSIGNMENT

WHEREAS, I. Tom Wilcox, citizen of United States of America, residing in Albuquerque, New Mexico, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application No. 13/900,489, filed May 22, 2013 ("the invention"), which is entitled High Brightness Pulsed VCEL Sources ("the subject application"), and which claims priority to patent application numbers 13/077,769 filed March 31, 2011, 12/707,657 filed February 17, 2010 and 61/153,190 filed February 17, 2009 ("the priority applications").

AND WHEREAS, TriLumina Corporation, ASSIGNEE, having a place of business at 800 Bradbury Drive, Suite 116 Albuquerque, NM 87106, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority applications, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority applications and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 4th day of June, year of 2014.

Signature

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