

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4999172

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Steven C. Allen	06/15/2010
Andrew J. Steckl	06/18/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF CINCINNATI
<b>Street Address:</b>	2624 CLIFTON AVENUE
<b>City:</b>	CINCINNATI
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45221-0623
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15965793
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	
<b>Phone:</b>	(858) 678-5070
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	DAN V. VACAR
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	35864-0051007
<b>NAME OF SUBMITTER:</b>	NANCY GRANT
<b>SIGNATURE:</b>	/Nancy Grant/
<b>DATE SIGNED:</b>	06/08/2018
<b>Total Attachments: 6</b>	
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**ASSIGNMENT OF INVENTION AND PATENTS THEREON**

WHEREAS, I (we), Steven C. Allen and Andrew J. Steckl have invented a **Nearly Index-Matched Luminescent Glass-Phosphor Composites For Photonic Applications** as fully disclosed in an application for Patent so entitled and filed by me (us) on January 19, 2010 as Application Serial No. 12/669,579 preparatory to obtaining Letters Patent of the United States therefor.

WHEREAS, University of Cincinnati, a corporation organized under the laws of the State of Ohio and having its principal office at 2624 Clifton Avenue, Cincinnati, Ohio 45221-0623, desires to acquire the entire interest in and to the subject matter disclosed in said applications and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me (each of us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we) have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said University of Cincinnati my (our) entire right, title and interest in and to the subject matter disclosed in said applications and in and to all Letters Patent Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention or Union for each country of said Convention or Union; and I (we) do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said applications and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

Page 1 of 3

Assignment of Invention and Patents Thereon  
Title: Nearly Index-Matched Luminescent Glass-Phosphor Composites For Photonic Applications

**PATENT**  
**REEL: 024600 FRAME: 0934**

**PATENT**  
**REEL: 046033 FRAME: 0251**

**Full Name**

**of First Inventor:** Allen Steven C.  
Last Name First Name Middle Name

Steve Allen June 15, 2010  
Signature Date

**Post Office**

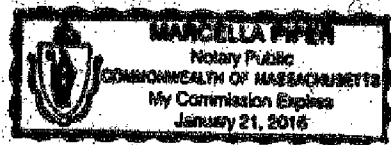
**Address:** 5 Folly Pond Road # 34 Beverly, MA 01915  
Post Office Address City, State or County Zip Code

STATE OF MA )  
COUNTY OF Essex ) SS

On this 15th day of JUNE, 2010 before me personally appeared Steven C. Allen to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.

Marcella Piper  
Notary Public

(SEAL)



Assignment of Invention and Patents Thereon  
Title: Nearly Index-Matched Luminescent Glass-Phosphor Composites For Photonic Applications

**PATENT**  
**REEL: 024600 FRAME: 0935**

**PATENT**  
**REEL: 046033 FRAME: 0252**



**ASSIGNMENT OF INVENTION AND PATENTS THEREON**

WHEREAS, I (we), Steven C. Allen and Andrew J. Stecki have invented a **Nearly Index-Matched Luminescent Glass-Phosphor Composites For Photonic Applications** as fully disclosed in an application for Patent so entitled and filed by me (us) on January 19, 2010 as Application Serial No. 12/669,579 preparatory to obtaining Letters Patent of the United States therefor.

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Full Name  
of Second Inventor: Steckl Andrew J.  
Last Name First Name Middle Name

[Signature] June 18, 2010  
Signature Date

Post Office  
Address: 269 Sunny Acres Drive Cincinnati, Ohio 45255-3920  
Post Office Address City, State or County Zip Code

STATE OF Ohio )  
                                  ) SS  
COUNTY OF Hamilton

On this 18<sup>th</sup> day of June, 2010 before me personally appeared Andrew J. Steckl to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



THERESA M. AMBROSIOUS  
Notary Public, State of Ohio  
My Commission Expires 07-28-2013

Theresa Ambrosius  
Notary Public

Assignment of Invention and Patents Thereon  
Title: Nearly Index-Matched Luminescent Glass-Phosphor Composites For Photonic Applications

RECORDED: 06/28/2010

PATENT  
REEL: 024600 FRAME: 0939

RECORDED: 06/08/2018

PATENT  
REEL: 046033 FRAME: 0256