

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MATTHEW DAVE GOODMAN</td> <td>06/26/2012</td> </tr> <tr> <td>PAUL VANNEST BRAUN</td> <td>06/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	MATTHEW DAVE GOODMAN	06/26/2012	PAUL VANNEST BRAUN	06/26/2012
Name	Execution Date						
MATTHEW DAVE GOODMAN	06/26/2012						
PAUL VANNEST BRAUN	06/26/2012						
RECEIVING PARTY DATA							
Name:	The Board of Trustees of the University of Illinois						
Street Address:	506 South Wright Street						
City:	Urbana						
State/Country:	ILLINOIS						
Postal Code:	61801						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13526395</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13526395		
Property Type	Number						
Application Number:	13526395						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	TEMA-118-A						
NAME OF SUBMITTER:	Christopher G. Darrow						
Total Attachments: 2 source=TRDL118A_ExecutedAssignmentforGoodmanandBraun#page1.tif source=TRDL118A_ExecutedAssignmentforGoodmanandBraun#page2.tif							

CH \$40.00 13526395

ASSIGNMENT AND AGREEMENT

WHEREAS, **MATTHEW DAVE GOODMAN** of 2205 Rainbowview, Urbana, Illinois 61802 and **PAUL VANNEST BRAUN** of 10 HALE Haven Court, Savoy, Illinois 61874, (hereinafter referred to as "ASSIGNOR"), have invented, along with co-inventor **KAZUHISA YANO**, a certain invention entitled **HIGH SURFACE AREA CARBON OPALS AND INVERSE OPALS OBTAINED THEREFROM** as set forth in this United States Patent Application,

- executed concurrently herewith
- executed on _____
- Serial No. 13/526,395 Filed June 18, 2012

WHEREAS, **The Board of Trustees of the University of Illinois**, a body corporate and politic having a place of business at 352 Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801, hereinafter referred to as ("ASSIGNEE"), desires to acquire the entire right, title, and interest in and to said invention held by inventors Matthew Dave Goodman and Paul Vannest Braun;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

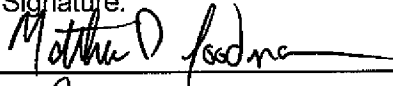
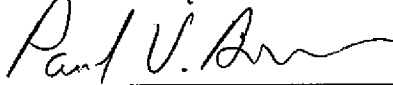
ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) 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; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications,

renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Young Basile Hanlon & MacFarlane, P.C. the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Young Basile Hanlon & MacFarlane, P.C. do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAME(S) AND SIGNATURE OF ASSIGNOR		
Name: Matthew Dave Goodman	Signature: 	Date: June 26, 2012
Name: Paul Vannest Braun	Signature: 	Date: June 26, 2012