

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5516272

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YANHUA SHIH	05/23/2013
	HUI CHEN	05/23/2013
	TAO PENG	05/23/2013
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City:	BALTIMORE	
State/Country:	MARYLAND	
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PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15270781	
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Fax Number:		
<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>		
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NAME OF SUBMITTER:	TODD JUNEAU	
SIGNATURE:	/TODD JUNEAU/	
DATE SIGNED:	05/09/2019	
Total Attachments: 2		
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source=15270781 2682YS Assignment#page2.tif		

268245

Office of Technology Development
Invention Disclosure Form

Submit Completed Form to: Office of Technology Development
 5523 Research Park Drive, Suite 310
 Baltimore, MD 21228
 Phone: (410) 455-1414 Fax: (410) 455-8750

Title of Invention

Discover of 100% intensity-fluctuation correlation of chaotic-thermal light and turbulence-free imaging

Brief Description of Invention

This invention distinguishes second-order correlation of chaotic-thermal light from any possible coexisting first-order effects, which involves a new type of detection protocol which distinguishes positive and negative intensity-fluctuations from jointly measured photodetection events. A novel technology of turbulence-free imaging is developed based on the new discovery of 100% intensity-fluctuation correlation of chaotic-thermal light.

Detailed Description of the Invention

Please attach a detailed description of your invention, or a copy of a relevant manuscript describing your invention, complete with diagrams or drawings and copies of any relevant references.

Sponsorship

Funding Source:	Federal <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Corporate <input type="checkbox"/>	UMBC <input type="checkbox"/>	Other <input type="checkbox"/>
<u>Name of Sponsor/Grantor</u>		<u>Grant/Contract Number</u>		<u>UMBC Account #</u>	
AFOSR		FA9550-09-1-0489-2		00004880	
ARL		W911NF-11-2-0074		00007071	

Collaborating Institution/Company or Other Research Support

Collaborating Institution/Company Name

Collaborating Investigator's Name

Did you use materials, equipment, or software from another company/institution? Yes ☐ No ☒

Record of Invention

Date of Conception: 06/20/2012

Documented in Lab Notebook: Yes ☒ No ☐

Invention Reduced to Practice: Yes ☒ No ☐

Date of First Reduction to Practice: ____/____/____

Publication

a) Submitted to a Journal:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date: 04/29/2013	Journal Name: Physical Review X
b) Published:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Date: ____/____/____	Journal Name: _____
c) Oral Disclosure:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Date: ____/____/____	Location: _____ Handouts: Yes <input type="checkbox"/> No <input type="checkbox"/>
d) Poster Presentation:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Date: ____/____/____	Published abstract: Yes <input type="checkbox"/> No <input type="checkbox"/>
e) Other Disclosure:	Yes <input type="checkbox"/> No <input type="checkbox"/>	Date: ____/____/____	Describe: _____

Commercial Interest

<u>Company Name</u>	<u>Contact Person</u>	<u>Phone Number/E-mail</u>
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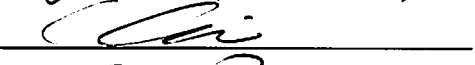

Name: _____	Campus Address/Dept.: _____
Home Address: _____	Title: _____
City/Zip: _____	Citizenship: _____
E-mail: _____	Home Phone: _____ Office Phone: _____ Fax: _____

Inventor's Signature(s)

In order for this Invention Disclosure Form to be complete, and to be processed by OTD, it must be signed and dated by all inventors.

I/we, the Inventors, hereby certify that the information set forth in this Invention Disclosure Form is true and complete to the best of my/our knowledge.

I/we, the Inventors who are subject to University System of Maryland, Board of Regents Policy and are not under an obligation to assign intellectual property rights to another party, hereby affirm that in consideration for UMBC's evaluation of commercial potential and a share of income which I/we may receive upon commercialization of my/our invention, I/we on the date of my/our signature as indicated below do hereby assign and transfer my/our entire right, title and interest in and to the invention described herein unto UMBC, its successors, legal representatives and assigns.

<u>Inventor Signature</u>	<u>Print Name</u>	<u>Date</u>
(1) 	YANHUA SHIH	5/23/2013
(2) 	Hui Chen	5/23/2013
(3) 	Tao Peng	5/23/2013
(4) _____	_____	_____