503087707 12/05/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3134312

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW DOTY	03/15/2013
JOSHUA ZIDE	03/15/2013

RECEIVING PARTY DATA

Name:	UNIVERSITY OF DELAWARE
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Internal Address:	DELAWARE TECHNOLOGY PARK
City:	NEWARK
State/Country:	DELAWARE
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14403765		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	UOD-402US
NAME OF SUBMITTER:	STEPHEN D. HARPER, REG. NO. 33,243
SIGNATURE:	/Stephen D. Harper/
DATE SIGNED:	12/05/2014

Total Attachments: 2

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PATENT 503087707 REEL: 034386 FRAME: 0113

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	ASSIGNN	MENT	- Patent Application	Do	cket Number: <u>UOD-402WO</u>	
	Whereas, the Assignor, comprising the following named inventors:					
		1. Matthew Doty			2. Joshua Zide	
	ASSIGNOR(s)/ (NVENTOR(s)	3.			4.	
		5.			6.	
	made an invention	entitled:	NOVEL NANOSTRUCTURES FOR	EFF	CIENT UPCONVERSIONS OF PHOTONS	
	Select one of the fo	ollowing): concurre	Letters Patent of the United States		0040	
	was filed in the U.S. Patent and Trademark Office on May 30, 2012 and June 4, 2012, as U.S. Patent Application Serial No.: 61/652,960 and 61/655,064					
	ASSIGNEE (Full Name and Address) University of Delaware 1 Innovation Way, Suite 500 Delaware Technology Park Newark, DE 19711					
	is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,					
Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Pollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.						
	Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.					
	Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.					
	If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.					
1						

ASSIGNMENT - Patent Application

Docket Number: UOD-402WO

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below. This assignment is effective as of March 15, 2013.

		Typed or Printe	d Name	Signature	Date	
	1.	Matthew Doty	Maddalalia a kabaran publish b 1996 ayan ya ya	Math 2/19	3/15/13	
				Christine William ** Witness to Assignor #1	3/15/13	
	2.	Joshua Zide	જના મુક્તમાં પ્રતાસ ત્રાપ્ત કરતા હતા. જના તુવાના પ્રતાસ કરતા હતા.	Took of the state	3/15/13	
	10°15-1354 mahidal	elleri lændi ikengi iki likerik lenn enn kinnen enn 1,400°11/4° i Herakur pen,	Mathelygada (12 com standarda artica ha 1844) (sabanya	* Witness to Assignor #2	3/15/13	
	3.					
SIGNATURE	tellario in		orespoyers and the specimens	* Witness to Assignor #3	OPENING COMMON MARKA INSTITUTE INSTI	
	4.					
			iri ir da produktik kiri ik lari dalar kale	* Witness to Assignor #4	in Michigan in Maria and Maria	
	5.					
		त्रकार कार्यान्त्रका कार्या कार्य -	HIMIST CONSTRUCTOR HIM SHAPE AN ANGEL STATE	* Witness to Assignor #5		
	6.					
		one-state for the filter of th	11 Magagay 1961 ta 134 1347 ta 1341 1347, 1444 ta 1547 ta 1	* Witness to Assignor #6	the Middle Market had been been supported by the support of the su	
		1.04				
	Application for United States Letters Patent:					
Serial No.:			61/652,960 and 61/655,064			
Filed:			12 and 06/04/2012			
Attorney Docket Number:		UOD-402				
Total Number of Assignment Pages		2	* Witness signature recommended, ma	indatory for some countries		

PATENT REEL: 034386 FRAME 01115

RECORDED: 12/05/2014