502507704 09/24/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yifu Ding	09/18/2013
Sajjad Maruf	09/18/2013
John Pellegrino	09/16/2013
Alan Greenberg	09/18/2013

RECEIVING PARTY DATA

Name:	The Regents of the University of Colorado, a body corporate
Street Address:	1800 Grant Street
Internal Address:	8th Floor
City:	Denver
State/Country:	COLORADO
Postal Code:	80203

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61697599
PCT Number:	US1358609

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: Eugene J. Bernard

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Address Line 2: Kilpatrick Townsend & Stockton LLP
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ATTORNEY DOCKET NUMBER:	N0023-886899

PATENT REEL: 031271 FRAME: 0993 80.00 6169759

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NAME OF SUBMITTER:	Eugene J. Bernard
Signature:	/Eugene J. Bernard, Reg. 42320/
Date:	09/24/2013
Total Attachments: 5 source=85256-882453_Executed_Asmt_CU3096B-PCT1#page1.tif source=85256-882453_Executed_Asmt_CU3096B-PCT1#page2.tif source=85256-882453_Executed_Asmt_CU3096B-PCT1#page3.tif source=85256-882453_Executed_Asmt_CU3096B-PCT1#page4.tif source=85256-882453_Executed_Asmt_CU3096B-PCT1#page5.tif	

PATENT REEL: 031271 FRAME: 0994

ASSIGNMENT

We, the undersigned, have invented certain inventions and improvements disclosed in the following U.S. provisional and PCT international patent applications entitled "Enhancing Filtration Performance of Membranes with Nanoscale Patterns:"

U.S. Provisional Patent Application Serial No. 61/697,599, entitled "Enhancing Filtration Performance of Membranes with Nanoscale Patterns," filed with the U.S. Patent & Trademark Office on September 6, 2012; and

PCT international Patent Application Serial No. PCT/US13/58609 entitled "Filtration Membrane with Nanoscale Patterns," filed with the U.S. Patent & Trademark Office as Receiving Office on September 6, 2013.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to The Regents of the University of Colorado, a body corporate, at 1800 Grant Street, 8th Floor, Denver, CO 80203 ("Assignee"), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim

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PATENT REEL: 031271 FRAME: 0995 priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
- 6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described PCT international patent application if said information is not available at the time of the execution of this Assignment.

Signed on the dates indicated beside our signatures.

Dated: 09/18/2013

Yifu plng

ASSIGNMENT Attorney Docket No. 85256-882453 CU TTO File No. CU3096B-PCT1 Page 3 of 4

STATE OF Colorado		
COUNTY OF Booldal		
Subscribed and sworn to (or affirmed) before me (Yifu Ding (name proved to me on the basis of satisfactory evidence) who personally appear	ed before me and
proved to the off the basis of saustaciony evidence	to be the beison who ap	peared before me.
WITNESS my hand and official seal.	, i	HUNANNE FAMILIA
	(SEAL)	NOTAPA E
(Signature of Notary Public)		
Dated: 9/18/2013	<u> </u>	Spires 6 201
	Sajjad Maruf	
STATE OF Colucto COUNTY OF 2216eL		
COUNTY OF BALLY		
Subscribed and Sworn to (or affirmed) before me Sajjad Maruf (name proved to me on the basis of satisfactory evidence	e) who personally appear	ed before me and
WITNESS my hand and official seal.		
XU	(SEAL)	OF COLOMBIA
(Signature of Notary Public)		
		PUBLIC OF COLONIA OF C

ASSIGNMENT Attorney Docket No. 85256-882453 CU TTO File No. CU3096B-PCT1 Page 4 of 4

Dated: 16 Sep 2013	John Pellegrino
COUNTY OF Baildel	
Subscribed and sworn-to (or affirmed) before m John Pellegrino (nat proved to me on the basis of satisfactory evider WITNESS my hand and official seal.	me on the day of _1, 20 13, by me) who personally appeared before me and ace to be the person who appeared before me.
(Signature of Notary Public)	(SEAL) ON PUBLIC OF COLOT
Dated:	Alan Greenberg
COUNTY OF	
Subscribed and sworn to (or affirmed) before m Alan Greenberg (namproved to me on the basis of satisfactory evider	me) who personally appeared before me and
WITNESS my hand and official seal.	
(Signature of Notary Public)	(SEAL)
65649958V.1	

ASSIGNMENT Attorney Docket No. 85256-882453 CU TTO File No. CU3096B-PCT1 Page 4 of 4

Dated:		
	John Pellegrino	
STATE OF		
COUNTY OF		
Subscribed and sworn to (or affirmed) befor John Pellegrino proved to me on the basis of satisfactory evi	(name) who personally appeared before	re me and
	active to be the betaon who appeared	ocioic me.
WITNESS my hand and official seal.		
	(SEAL)	
(Signature of Notary Public)		
Dated: 9/18/2013	Man Greenberg	4
STATE OF Colorado		
COUNTY OF Pollage		*
Subscribed and sworn to (or affirmed) before	idence to be the person who appeared	before me.
WITNESS my hand and official seal.		Managamanna Maria
- AMM-	(SEAL)	NOTAR LE
(Signature of Notary Public)		Cauc de Cal
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