506609701 04/14/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
ZIA ABDULLAH	05/13/2014
MICHAEL L. DICKENS	05/19/2014
MICAH P. MCCREERY	05/12/2014
RANDY L. JONES	05/12/2014
JON-DAVID S. SEARS	05/19/2014
ERIN S. SCHULTZ	05/13/2014
STEPHANIE ANN SMITH	05/24/2014
PAUL E. GEORGE II	05/16/2014
ELVIN R. BEACH III	05/21/2014

RECEIVING PARTY DATA

Name:	ne: BATTELLE MEMORIAL INSTITUTE	
Street Address: 505 KING AVENUE		
City:	COLUMBUS	
State/Country:	ОНЮ	
Postal Code:	43201	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17230387

CORRESPONDENCE DATA

Fax Number: (216)363-4588

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.

Phone: 216-363-4500

Email: Patent@beneschlaw.com

BENESCH FRIEDLANDER COPLAN & ARONOFF LLP **Correspondent Name:**

Address Line 1: 200 PUBLIC SQUARE

Address Line 2: **SUITE 2300**

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER: 36314-198 **ELIZABETH KOHN** NAME OF SUBMITTER:

PAIENI REEL: 055919 FRAME: 0124 506609701

SIGNATURE:	/Elizabeth Kohn/			
DATE SIGNED:	GNED: 04/14/2021			
Total Attachments: 10				
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PATENT REEL: 055919 FRAME: 0125

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II to Battelle Memorial Institute

WHEREAS we, Zia Abdullah, of Bexley and State of Ohio; Michael L. Dickens, of Westerville and State of Ohio; Micah P. McCreery, of Baltimore and State of Ohio; Randy L. Jones, of Delaware and State of Ohio; Elvin R. Beach, III, of Worthington and State of Ohio; Jon-David S. Sears, of Columbus and State of Ohio; Erin S. Schultz, of Dublin and State of Ohio; Stephanie Ann Smith, of Columbus and State of Ohio; and Paul E. George, II, of Powell and State of Ohio have made certain inventions in Stacked Membrane Bioreactor, the specification of which was filed on December 19, 2012 as application serial no. PCT/US12/070686; and

WHEREAS, Battelle Memorial Institute, a corporation of Ohio, having a place of business at 505 King Avenue, Columbus, Ohio, herein called "ASSIGNEE", is desirous of acquiring our entire right, title, and interest in said invention and application therefor, and in any patent or patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Assignee, our entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application executed by us, preparatory to obtaining Letters Patent of the United States therefor; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them, to the said Assignee, as the assignee of our entire right, title, and interest in and to the same for the sole use and behoof of the said Assignee, and its successors or assigns.

And we further covenant and agree that we will, at the request and expense of the said Assignee, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the request and expense of the said Assignee, execute such application papers as may be desired by the said Assignee for the filing of any division or renewal of the application herein conveyed, or for the reissues or extensions of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Assignee.

Page 1 of 10

Zia Abdullah
Michael L. Dickens
Micah P. McCreery
Randy L. Jones
Elvin R. Beach, III
Jon-David S. Sears
Erin S. Schultz
Stephanie Ann Smith
Paul E. George, II
to

Battelle Memorial Institute

And we further assign unto the said Assignee our whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Assignee to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said assignee, as well as all other necessary papers.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus, Ohio
this 13 day of Hoy , 2014.
Zia Abdullah
STATE OF OHIO)
:ss COUNTY OF FRANKLIN)
This 13^{+4} day of 10^{-4} day of 10^{-4} , 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Zia Abdullah, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.
Theresa M. Zamburda Notary Public
Notary Public
(SEAL) Theresa M. Lombardi Notary Public, State of Ohio My Commission Expires 01-13-2016

Zia Abdullah
Michael L. Dickens
Micah P. McCreery
Randy L. Jones
Elvin R. Beach, III
Jon-David S. Sears
Erin S. Schultz
Stephanie Ann Smith
Paul E. George, II
to
Battelle Memorial Institute

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus, Ohio this 12 day of 2014.

Michael L. Dickens

STATE OF OHIO) :ss COUNTY OF FRANKLIN)

This <u>Iq+h</u> day of <u>May</u>, 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Michael L. Dickens, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

Theresa M. Tembordi Notary Public

(SEAL)



Zia Abdullah
Michael L. Dickens
Micah P. McCreery
Randy L. Jones
Elvin R. Beach, III
Jon-David S. Sears
Erin S. Schultz
Stephanie Ann Smith
Paul E. George, II
to
Battelle Memorial Institute

IN	TESTI.	MONY '	WHEREOF	I have here	eunto set my	hand and	affixed my	y seal at	Columbus,	Ohio
			May		•		•		ŕ	

Micah P. McCreery

STATE OF OHIO) :ss COUNTY OF FRANKLIN)

This 12th day of 12th day of 12th day of 12th day of 12th day aforesaid, personally appeared Micah P. McCreery, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

Notary Public

(SEAL)

Theresa M. Lombardi

* Notary Public, State of Ohio

My Commission Expires 01-13-2016

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II

Battelle Memorial Institute

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus, Ohio this 12 day of May, 2014.

STATE OF OHIO :ss

COUNTY OF FRANKLIN

This $12^{\frac{1}{1}}$ day of $\frac{100}{100}$, 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Randy L. Jones, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

theusa M. Zambardi Notary Public

(SEAL)

Theresa M. Lombardi Notary Public, State of Ohio y Commission Expires 01-13-2016

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II Battelle Memorial Institute

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus (City), Ohio (State) this 21 day of May, 2014.

Elvin R. Beach, III

STATE OF Ohio :ss COUNTY OF Flanklin)

This 215th day of May, 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Elvin R. Beach, III, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

Theresa M. Tomlarki Notary Public

(SEAL)

Theresa M. Lombardi Notary Public, State of Ohio My Commission Expires 01-13-2016

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II Battelle Memorial Institute

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Columbus, Ohio this 19th day of 4 day of 2014.

STATE OF OHIO :ss COUNTY OF FRANKLIN

This 19^{+h} day of May, 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Jon-David S. Sears, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

There M. Tombach.
Notary Public

(SEAL)

Theresa M. Lombard Notary Public, State of Ohlo My Commission Expires 01-13-2016

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II to Battelle Memorial Institute

Erin S. Schultz

STATE OF OHIO) :ss COUNTY OF FRANKLIN)

This 13^{+h} day of 13^{+h} day of 13^{+h} day of 13^{+h} day of 13^{+h} , 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Erin S. Schultz, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

Therew M. Jombardi Notary Public

(SEAL)

Theresa M. Lombardi
Notary Public, State of Ohio
My Commission Expires 01-13-2016

Zia Abdullah Michael L. Dickens Micah P. McCreery Randy L. Jones Elvin R. Beach, III Jon-David S. Sears Erin S. Schultz Stephanie Ann Smith Paul E. George, II

Battelle Memorial Institute

(State) this 24th day of May, 2014.
Stephen In hut
Stephanie Ann Smith
STATE OF Ohio)
county of Franklin)
This <u>24</u> day of <u>May</u> , 2014, before me, a Notary Public in and for the County
aforesaid, personally appeared Stephanie Ann Smith, personally known to me and known to be the
person described in and who executed the foregoing assignment and acknowledged the same to be
his voluntary act and deed, and that he executed the same for the uses and purposes therein set

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at

forth.

(SEAL)

PADMA CHARI Notary Public, State of Ohio My Commission Expires April 16, 2016 Notary Public

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PATENT REEL: 055919 FRAME: 0134

Zia Abdullah
Michael L. Dickens
Micah P. McCreery
Randy L. Jones
Elvin R. Beach, III
Jon-David S. Sears
Erin S. Schultz
Stephanie Ann Smith
Paul E. George, II
to
Battelle Memorial Institute

Paul E. George, II

STATE OF OHIO) :ss COUNTY OF FRANKLIN)

This <u>Ib+h</u> day of <u>May</u>, 2014, before me, a Notary Public in and for the County aforesaid, personally appeared Paul E. George, II, personally known to me and known to be the person described in and who executed the foregoing assignment and acknowledged the same to be his voluntary act and deed, and that he executed the same for the uses and purposes therein set forth.

There M. Fanlay. Notary Public

(SEAL)

RECORDED: 08/22/2028

Theresa M. Lombardi
Notary Public, State of Ohio
My Commission Expires 01-13-2016

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