

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4356141

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES LYONS	04/03/2017
CHRISTOPHER WARD	04/03/2017
JOSEPH STAINS	04/03/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF MARYLAND, BALTIMORE
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<b>Internal Address:</b>	4TH FLOOR
<b>City:</b>	BALTIMORE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15466255
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)268-3871
<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>	
<b>Phone:</b>	215-268-3888
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<b>ATTORNEY DOCKET NUMBER:</b>	206187-0004-00-US.606109
<b>NAME OF SUBMITTER:</b>	LISA STANTON
<b>SIGNATURE:</b>	/Lisa Stanton/
<b>DATE SIGNED:</b>	04/06/2017
<b>Total Attachments: 2</b>	
source=JL-2016-052 (US) Assignment executed 4-3-17#page1.tif	
source=JL-2016-052 (US) Assignment executed 4-3-17#page2.tif	

**ASSIGNMENT**

In consideration of UMB's agreement to consider Assignors as "UMB Inventors" who are entitled to revenue distributions under the University System of Maryland Policy on Intellectual Property, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **James Lyons, Christopher Ward and Joseph Stains** ("Assignors") hereby convey, assign, and transfer to the **University of Maryland, Baltimore**, a public university that is part of the University System of Maryland (which is a public corporation and an instrumentality of the State of Maryland) ("UMB"), and having an office c/o Office of Research and Development, 620 W. Lexington Street, 4<sup>th</sup> floor, Baltimore, MD 21201, their entire right, title, and interest in and to the invention known as "**Multi-Functional Fluid Flow Device**" (the "**Invention**"):

check applicable space(s) ☒ [X] for the United States of America (as defined in 35 U.S.C. §100)

☒ [X] and throughout the world,

for which application for patent was made in the United States of America on **March 22, 2017** (also known as U.S. Non-Provisional application serial number **15/466,255**), and in any and all non-provisional and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents.

Such entire right, title, and interest in the Invention are to be held and enjoyed by UMB to the same extent as they would have been held and enjoyed by Assignors had this Assignment not been made, to the full end of the term or terms for which any such patent(s) issue. Assignors hereby represent and warrant that they have full right to convey their right, title, and interest in the Invention herein assigned, and that they have not executed and will not execute any agreement or other document in conflict therewith.

Assignors agree to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist UMB in connection with: further perfecting the assignment of the Invention to UMB; UMB's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the patents and patent applications; or for UMB to protect and commercialize its intellectual property right, title, and interests in the Invention (including without limitation copyright and/or trademarks).

IN WITNESS WHEREOF, executed by Assignor(s) on the date opposite his/her name.

**ASSIGNOR:**

Date

4/3/17

**James Lyons**

(SEAL)

Address:

590 Robin Hill Circle

York, Pennsylvania 17404

STATE OF

CITY/COUNTY OF

I HEREBY CERTIFY, that on this 3rd day of April, 2017, before me, Notary Public of the State of Maryland, personally appeared **James Lyons**, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that, being authorized to do so, he or she executed the same as for the purposes contained therein.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above-mentioned.

Notary Public

[SEAL]

My Commission Expires:

8/21/18

**Gail Knott**  
**Notary Public**  
**State of Maryland**  
**Baltimore County**

Date

4/3/17

ASSIGNOR:

Christopher Ward

(SEAL)

Address:

215 E. Lake Avenue  
Baltimore, Maryland 21212

STATE OF

CITY / COUNTY OF

Maryland  
Baltimore

I HEREBY CERTIFY, that on this 3rd day of April, 2017, before me, Notary Public of the State of Maryland, personally appeared Christopher Ward, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that, being authorized to do so, he or she executed the same as for the purposes contained therein.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above-mentioned.

My Commission Expires:

8/21/18

Notary Public

[SEAL]

Gail Knott  
Notary Public  
State of Maryland  
Baltimore County

Date

4-3-17

ASSIGNOR:

Joseph Stains

(SEAL)

Address:

9213 Redbridge Court  
Laurel, Maryland, 20723

STATE OF

CITY / COUNTY OF

Maryland  
Baltimore

I HEREBY CERTIFY, that on this 3rd day of April, 2017, before me, Notary Public of the State of Maryland, personally appeared Joseph Stains, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that, being authorized to do so, he or she executed the same as for the purposes contained therein.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above-mentioned.

My Commission Expires:

8/21/18

Notary Public

[SEAL]

Gail Knott  
Notary Public  
State of Maryland  
Baltimore County