

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5715739

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BINGREN HU	09/13/2018
CHUNLI LIU	09/13/2018
<b>RECEIVING PARTY DATA</b>	
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<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>
Application Number:	16467431
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	081829.23701
<b>NAME OF SUBMITTER:</b>	J. HINDAH WEISSBROT
<b>SIGNATURE:</b>	/j. hindah weissbrot/
<b>DATE SIGNED:</b>	09/12/2019
<b>Total Attachments: 2</b>	
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## 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, **Bingren Hu and Chunli Liu** ("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 "**Balloon Catheter 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 under the Patent Cooperation Treaty on **December 6, 2017** (also known as international patent application serial number **PCT/US2017/064880**) 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 Assignors on the date opposite his/her name.

ASSIGNOR:

9/13/18  
 Date

Bingren Hu (SEAL)  
 Address:

2772 Lighthouse Point East, #317  
Baltimore, MD 21224

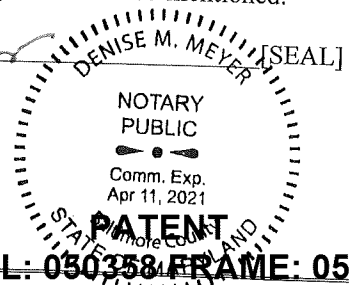
STATE OF Maryland )  
 CITY / COUNTY OF Baltimore )

I HEREBY CERTIFY, that on this 13 day of September, 2018, before me, Notary Public of the State of Maryland, personally appeared **Bingren Hu**, 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.

Denise M. Meyer  
 Notary Public

My Commission Expires: 4-11-2021



ASSIGNOR:

9/13/2018  
Date

 (SEAL)  
Chunli Liu

Address:  
2772 Lighthouse Point East, #317  
Baltimore, MD 21224

STATE OF Maryland )  
CITY / COUNTY OF Baltimore )

I HEREBY CERTIFY, that on this 13 day of September, 2018, before me, Notary Public of the State of Maryland, personally appeared **Chunli Liu**, 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.

 [SEAL]  
Notary Public

My Commission Expires: 4-11-2021

