

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5533805

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ZEHRA PARLAK	05/02/2019
	STEFAN ZAUSCHER	05/07/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	DUKE UNIVERSITY	
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<b>City:</b>	DURHAM	
<b>State/Country:</b>	NORTH CAROLINA	
<b>Postal Code:</b>	27705	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16335874	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	210-88-UTIL	
<b>NAME OF SUBMITTER:</b>	BENTLEY J. OLIVE	
<b>SIGNATURE:</b>	/Bentley J. Olive/	
<b>DATE SIGNED:</b>	05/21/2019	
<b>Total Attachments: 6</b>		
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**ASSIGNMENT**

**THIS ASSIGNMENT**, effective on the 22nd day of March, 2019, by **Zehra Parlak**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States; and **Stefan Zauscher**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States (hereinafter referred to as Assignor[s]);

**WHEREAS**, Assignors have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR ANALYSIS OF LIQUIDS BY COVERED FLUIDIC CHANNELS INTEGRATED ONTO SENSOR PLATFORMS**, for which a Patent Application was made on March 22, 2019 in the United States as U.S. Utility patent application serial No. 16/335,874, which is a 371 national stage application which claims priority to PCT International Application Serial No. PCT/US17/53461 filed on September 26, 2017, which claims priority to U.S. Provisional Application Serial No. 62/399,694 filed on September 26, 2016; and

**WHEREAS**, **Duke University**, a College organized under and pursuant to the laws of North Carolina having its principal place of business at 2812 Erwin Rd., Ste 306, Durham, North Carolina 27705 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said invention and said Application for Letters Patent of the United States and all foreign countries, and in and to any Letters Patent of the United States and all foreign countries to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor shave assigned, transferred and set over, and by these presents do assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention and applications for Letters Patent, and in and to any and all divisionals, continuations and continuations-in-part of said applications, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent,

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and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this assignment not been made. The assignment of the right to claim entitlement and/or priority is executed *nunc pro tunc* and is considered effective as of the filing date of the earliest application to which priority and/or entitlement is claimed.

This Assignment is based on our employment relationship with Duke University to assign the foregoing invention, and any patent applications therefore, in exchange for Assignee payment of patent prosecution costs and other valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged by the inventors.

AND, for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title, and interest in and to the said inventions and applications for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to assign and convey the same in the manner herein set forth.

AND, for the same consideration, Assignors hereby covenant and agree, and likewise binds his heirs, legal representatives and assigns, to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said invention, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said invention, or said Patent application for Letters

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Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention in any country, including but not limited to derivative or post-grant proceedings, is lawful and desirable; or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the U.S. Commissioner of Patent and Trademarks and the Patent and Trademark Offices of all foreign countries respectively, to issue said Letters Patent of the United States and all foreign countries to Assignee, as Assignee of said invention and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

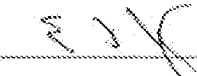
**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

<< Signature Page Follows >>

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ASSIGNEE

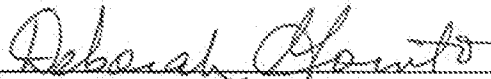
Executed this 16 day of May, 2019

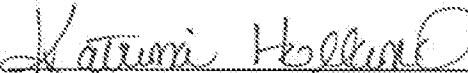
Assignee Signature:   
Eric F. Wagner

Title: Associate Director -- Legal

Address: Duke University  
2812 Erwin Rd, Ste. 306  
Mail Box 90083  
Durham, NC 27708

Witnessed by:

 5/16/19  
Name Date

 5/16/2019  
Name Date

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**ASSIGNORS**

Executed this 02<sup>nd</sup> day of May, 2019

Inventor Signature: Zehra  
Zehra Parlak

Witnessed by:

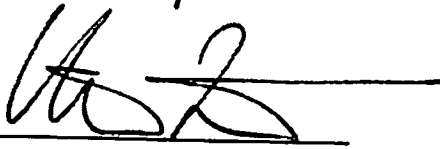
[Signature] 05/02/2019  
Name Grace Morrison Date

[Signature] 05/02/2019  
Name Kelli Luginbuhl Date

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**ASSIGNORS**

Executed this 7<sup>th</sup> day of MAY, 20 19

Inventor Signature:   
Stefan Zauscher

Witnessed by:

Berthold Schweiz 05/07/2019  
Name BERTHOLD SCHWEIZ Date

Petra Timmons Fischer 05/07/2019  
Name PETRA TIMMONS FISCHER Date