# 506214048 08/20/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6260791

		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	ΔΑΤΑ			
		Name	Execution Date	
JUAN G. SANTIAGO			03/20/2014	
LEWIS A. MARSHALL			03/20/2014	
ANITA ROGACS			03/19/2014	
RECEIVING PARTY D	ΑΤΑ			
Name:		THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY		
Street Address:	OFFICE	OFFICE OF THE GENERAL COUNSEL, BUILDING 170, 3RD FLOOR		
Internal Address:	MAIN QUAD, P.O. BOX 20386			
City:	STANFO	STANFORD		
State/Country:	CALIFO	CALIFORNIA		
Postal Code:	94305-2038			
Property Type		Number		
Application Number:	14	6008830		
Application Number:	1	6998839		
CORRESPONDENCE Fax Number: <i>Correspondence will</i>	DATA be sent to f provided; k : () 1	6998839 the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 551-686-6633 waltigney@ip-firm.com CRAWFORD MAUNU PLLC 150 NORTHLAND DRIVE, SUITE 100 ST. PAUL, MINNESOTA 55120		
CORRESPONDENCE Fax Number: <i>Correspondence will i using a fax number, if</i> Phone: Email: Correspondent Name Address Line 1:	DATA be sent to f provided; 6 k :	<i>the e-mail address first; if that is unsuc</i> <i>if that is unsuccessful, it will be sent vi</i> 551-686-6633 waltigney@ip-firm.com CRAWFORD MAUNU PLLC 150 NORTHLAND DRIVE, SUITE 100		
CORRESPONDENCE Fax Number: <i>Correspondence will a using a fax number, it</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	DATA be sent to f provided; k : : : : :	<i>the e-mail address first; if that is unsuc</i> <i>if that is unsuccessful, it will be sent vi</i> 551-686-6633 waltigney@ip-firm.com CRAWFORD MAUNU PLLC 150 NORTHLAND DRIVE, SUITE 100 ST. PAUL, MINNESOTA 55120		
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CORRESPONDENCE Fax Number: <i>Correspondence will i using a fax number, if</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER	DATA be sent to f provided; k : : : : :	the e-mail address first; if that is unsuce if that is unsuccessful, it will be sent vi 551-686-6633 waltigney@ip-firm.com CRAWFORD MAUNU PLLC 150 NORTHLAND DRIVE, SUITE 100 ST. PAUL, MINNESOTA 55120 STFD.326C3 ROBERT J. CRAWFORD		

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#### ASSIGNMENT

WHEREAS, We, Juan G. Santiago, having a mailing address at Stanford University, 440 Escondido Mall, Stanford, California 94305-3030; Lewis A. Marshall, residing at 4864 Bernal Ave., Apt. C, Pleasanton, California 94566; and Anita Rogacs, residing at 1473 Miramonte Ave., Unit 1, Los Altos, California 94024 made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States, U.S. Patent Application Serial No. 14/213,832 filed on March 14, 2014, and entitled: CAPILLARY BARRIERS FOR STAGED LOADING OF MICROFLUIDIC DEVICES (Attorney Docket No. STFD.326PA/S12-446), and which claims benefit of U.S. Provisional Patent Application Serial No. 61/785,255 filed on March 14, 2013.

AND WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1705 El Camino Real, Palo Alto, California 94306-1106 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent 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 and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, conversions or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and

### PATENT REEL: 053556 FRAME: 0015

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the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

 20 March 2014

 (day)
 (month)
 (year)

Shuon Sartinge

Juan G. Santiago

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

 $\frac{1}{(\text{day})} - \frac{2014}{(\text{year})}$ 

Lewis A. Marshall

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

 $\begin{array}{c|c} 19 & - & March \\ \hline (day) & (month) & - & 2014 \\ \hline (year) \end{array}$ 

\_/Anita Rogacs/\_\_\_\_\_

Anita Rogacs

PATENT REEL: 053556 FRAME: 0016

#### ASSIGNMENT

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NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, conversions or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

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#### PATENT REEL: 053556 FRAME: 0017

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- <u>2014</u> (year) (month) (day)

Juan G. Santiago

## IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

\_- <u>2014</u> 20 March (month) (year) (day)

> /Lewis A. Marshall/\_\_\_\_\_ Lewis A. Marshall

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(year)

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### PATENT REEL: 053556 FRAME: 0019

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 $\frac{1}{(\text{day})} - \frac{2014}{(\text{year})}$ 

Juan G. Santiago

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

 $\frac{1}{(\text{day})} - \frac{2014}{(\text{year})}$ 

Lewis A. Marshall

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

<u>19</u> - <u>March</u> - <u>2014</u> (day) (month) - <u>(year)</u>

/Anita Rogacs/\_\_\_\_\_

Anita Rogacs

PATENT REEL: 053556 FRAME: 0020

**RECORDED: 08/20/2020**