503095339 12/10/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3141945

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
ANKIT MAHAJAN	12/01/2014		
CARL DANIEL FRISBIE	12/03/2014		
LORRAINE F. FRANCIS	12/01/2014		

RECEIVING PARTY DATA

Name:	REGENTS OF THE UNIVERSITY OF MINNESOTA					
Street Address:	600 MCNAMARA ALUMNI CENTER					
Internal Address:	200 OAK STREET SE					
City:	MINNEAPOLIS					
State/Country:	MINNESOTA					
Postal Code:	55455-2020					

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14538367

CORRESPONDENCE DATA

Fax Number: (612)305-1228

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.

Email: joostra@mrgiplaw.com
Correspondent Name: KEITH M. CAMPBELL
Address Line 1: P.O. BOX 581336

Address Line 4: MINNEAPOLIS, MINNESOTA 55458-1336

ATTORNEY DOCKET NUMBER:	110.04410101
NAME OF SUBMITTER:	KEITH M. CAMPBELL
SIGNATURE:	/Keith M. Campbell/
DATE SIGNED:	12/10/2014

Total Attachments: 9

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PATENT 503095339 REEL: 034467 FRAME: 0717

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source=110.04410101-Assignments#page9.tif

PATENT REEL: 034467 FRAME: 0718

<u>ASSIGNMENT</u>

WHEREAS, I, Ankit Mahajan , have invented certain new and useful improvements in <u>SELF-ALIGNED CAPILLARITY-ASSISTED MICROFABRICATION</u>, for which an application for Letters Patents of the United States has been made, said application being filed as follows: Utility application no. <u>14/538,367</u> on <u>November 11, 2014</u> (collectively, the "Applications");

Whereas, the REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of acquiring the entire right, title and interest in and to said invention, said Applications and in, to and under any and all Letters Patent to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Applications including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application and Letters Patent that may be granted, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Applications and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents Assignee in accordance with this instrument.	
IN WITNESS WHEREOF, I have herenato set my hand a December 2014.	
	Arbyt Malegay
Ankit N	Anhajan /
STATE OF Minnesota) COUNTY OF Hennepin)	
COUNTY OF He me pin	· ·
On this day of	who executed the foregoing instrument and
IN WITNESS WHEREOF, I have hereunto affixed my o day and year above written.	fficial signature with the scal of my office, the
	sayle Marie Kabrielski
	GAYLE MARIE GABRIELSKI Notary Public Minhasota My Comm. Expires Jan 31, 2018

ASSIGNMENT

WHEREAS, I, <u>Carl Daniel Frisbie</u>, buve invented certain new and useful improvements in <u>SELF-ALIGNED CAPILLARITY-ASSISTED MICROFABRICATION</u>, for which an application for Letters Patents of the United States has been made, said application being filed as follows: Utility application no. <u>14/538.367</u> on <u>November 11, 2014</u> (collectively, the "Applications");

Whereas, the REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2026, is desirous of acquiring the entire right, title and interest in and to said invention, said Applications and in, to and under any and all Letters Patent to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt and sofficiency of which are bereby acknowledged. I have sold, assigned, transferred and set over and by these presents do seil, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Applications including my rights under the international Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application and Letters Patent that may be granted, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein.

I hereby authorize said Assignce, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Applications and/or otherwise take advantage of the provisions of the International Convention.

PATENT

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

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ASSIGNMENT

WHEREAS, I, <u>Lorraine F. Francis</u>, have invented certain new and useful improvements in <u>SELF-ALIGNED CAPILLARITY-ASSISTED MICROFABRICATION</u>, for which an application for Letters Patents of the United States has been made, said application being filed as follows: Utility application no. <u>14/538,367</u> on <u>November 11, 2014</u> (collectively, the "Applications");

Whereas, the REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamura Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of acquiring the entire right, title and interest in and to said invention, said Applications and in, to and under any and all Letters Patent to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Applications including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application and Letters Patent that may be granted, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made specifically including the right to enforce such Letters Patent in the name of Assignce and to recover damages for past infringement of the rights conveyed herein.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Applications and/or otherwise take advantage of the provisions of the International Convention.

Attorney Docket No.: 110.04410101

U of M Case No.: 20140098

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.
IN WITNESS WHEREOF, I have hereunto set my hand on this day of day of
Lorraine F. Francis
2303169500 2 (1 2467670
COUNTY OF Hennepin
COUNTY OF HENNE SIN)
On this day of
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Hayle Marie Habrielski Notary Public)
GAYLE MARIE GABRIELSKI Notsry Public Minnesota My Comm. Expires 481 37, 3018