

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4283852

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FANXING LI	10/05/2015
YANG LIU	09/21/2015
RECEIVING PARTY DATA	
Name:	NORTH CAROLINA STATE UNIVERSITY
Street Address:	1021 MAIN CAMPUS DRIVE, 2ND FLOOR
Internal Address:	OFFICE OF TECHNOLOGY TRANSFER
City:	RALEIGH
State/Country:	NORTH CAROLINA
Postal Code:	27606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15126332
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<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>	
Phone:	6176468000
Email:	mchiusano@wolfgreenfield.com
Correspondent Name:	WOLF, GREENFIELD & SACKS, P.C.
Address Line 1:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	B1152.70031US01
NAME OF SUBMITTER:	BRANDON S. BLACKWELL
SIGNATURE:	/Brandon S. Blackwell/
DATE SIGNED:	02/21/2017
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, we, Fansing Li, of Cary, North Carolina and Yang Liu of Raleigh, North Carolina hereby assign to North Carolina State University, a university of the state of North Carolina having a place of business at:

Office of Technology Transfer
1021 Main Campus Drive, 2nd Floor
Raleigh, North Carolina 27606

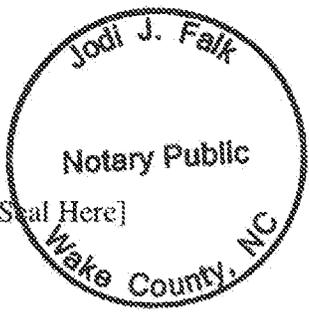
and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an international patent application filed in the United States Patent and Trademark Office entitled GAS DELIVERY DEVICES AND ASSOCIATED SYSTEMS AND METHODS, filed March 17, 2015, and assigned International Application Number PCT/US2015/021009, this assignment including said application, any and all United States and foreign utility patents and patent applications, including continuation, continuation-in-part, divisional, reissue, and reexamination applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 10/05/15

[Signature]
Fangxing Li

STATE OF North Carolina
COUNTY OF Wake) SS.

Before me this 5th day of October, 2015, personally appeared Fangxing Li known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of North Carolina Drivers License, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



[Notary's Seal Here]

[Signature]
Notary Public
My Commission Expires: July 29, 2019

DATE: 09/21/2015

Yang Liu
Yang Liu

STATE OF North Carolina,
COUNTY OF Wake) SS.

Before me this 21st day of September, 2015, personally appeared Yang Liu known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of NC photo ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Jodi J. Falk
Notary Public
My Commission Expires: July 29, 2019

[Notary's Seal Here]

