

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7453081

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF FIRST INVENTOR FROM CLARKE XU TO XIAOXIAN XU previously recorded on Reel 050373 Frame 0683. Assignor(s) hereby confirms the ASSIGNMENT OF ENTIRE INTEREST.

CONVEYING PARTY DATA

Name	Execution Date
XIAOXIAN XU	01/22/2021
PRASAD PAMIDI	05/28/2019
HYOUNGSIK YIM	05/28/2019

RECEIVING PARTY DATA

Name:	INSTRUMENTATION LABORATORY COMPANY
Street Address:	180 HARTWELL ROAD
City:	BEDFORD
State/Country:	MASSACHUSETTS
Postal Code:	01730

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16430028

CORRESPONDENCE DATA**Fax Number:**

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: docketing@burnslev.com
Correspondent Name: BURNS & LEVINSON LLP
Address Line 1: 125 HIGH STREET
Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	INL-168US
NAME OF SUBMITTER:	PAUL PYSHER
SIGNATURE:	/Paul Pysher/
DATE SIGNED:	07/26/2022

Total Attachments: 11

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Change agreed to
and accepted by:

Attorney Docket No.: INL-168US

Xiaoxian Xu

Xiaoxian Xu

1/22/21
Date

WHEREAS, We, ~~Clarke Xu~~, Prasad Pamidi and Hyoungsik Yim have invented one or more inventions described in an application for Letters Patent of the United States entitled:

Urea Biosensors and Stabilization of Urea Biosensors at Room Temperature

and identified by U.S. Patent Application No. 16/430,028 filed in the United States Patent and Trademark Office on June 3, 2019; and

WHEREAS, Instrumentation Laboratory Company (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state of Delaware, and having a usual place of business at 180 Hartwell Road, Bedford, MA 01730, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference, post-grant proceeding or any other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

Inventor:

Clarke Xu
Xiaoxian Xu

Change agreed to
and accepted by:

Xiaoxian Xu

State of Massachusetts
County of Middlesex) ss

1/22/21
Date

On this 28 day of May, 2019, before me, the undersigned Notary Public, personally appeared Clarke Xu, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Barbara A. Nelson
Signature of Notary

(Seal)

My Commission Expires: March 13, 2026

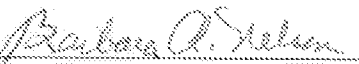


BARBARA A. NELSON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
March 13, 2026

Inventor: 
Prasad Pamidi

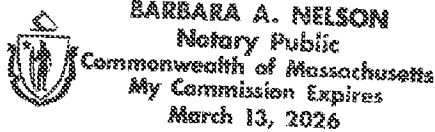
State of Massachusetts
County of Middlesex) ss

On this 28 day of May, 2019, before me, the undersigned Notary Public, personally appeared Prasad Pamidi, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.


Signature of Notary

(Seal)

My Commission Expires: March 13, 2026



Inventor: *Hyoungsik Yim*
Hyoungsik Yim

State of ~~Massachusetts~~
County of ~~Middlesex~~) ss

On this 28 day of May, 2019, before me, the undersigned Notary Public, personally appeared Hyoungsik Yim, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Barbara A. Nelson
Signature of Notary

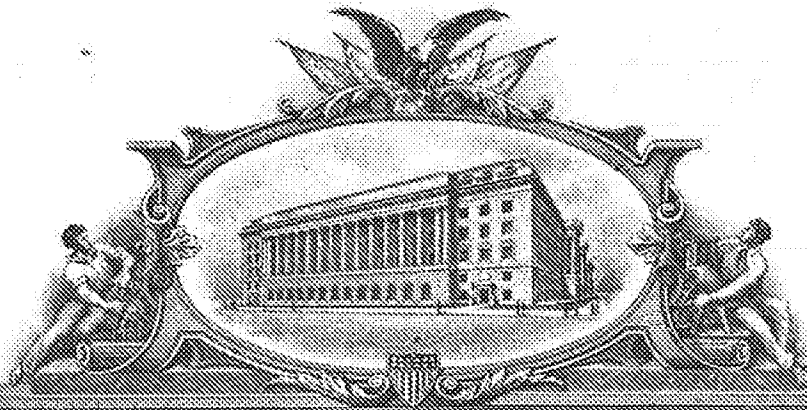
(Seal)

My Commission Expires: March 13, 2026
4844-4328-8212.1



BARBARA A. NELSON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
March 13, 2026

8224245



THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

March 15, 2022

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON**

September 13, 2019

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office


Rodney Glover
Certifying Officer



PATENT
REEL: 060935 FRAME: 0022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5718829

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CLARKE XU	05/28/2019
PRASAD PAMIDI	05/28/2019
HYOUNGSIK YIM	05/28/2019
RECEIVING PARTY DATA	
Name:	INSTRUMENTATION LABORATORY COMPANY
Street Address:	180 HARTWELL ROAD
City:	BEDFORD
State/Country:	MASSACHUSETTS
Postal Code:	01730
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16430028
CORRESPONDENCE DATA	
Fax Number:	(617)345-3299
<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:	617-345-3000
Email:	docketing@burnslev.com, jbaker@burnslev.com
Correspondent Name:	BURNS & LEVINSON LLP
Address Line 1:	125 HIGH STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	INL-168US
NAME OF SUBMITTER:	JOSEPH P. QUINN
SIGNATURE:	/Joseph P. Quinn/
DATE SIGNED:	09/13/2019
Total Attachments: 4	
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WHEREAS, We, Clarke Xu, Prasad Pamidi and Hyoungsik Yim have invented one or more inventions described in an application for Letters Patent of the United States entitled:

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

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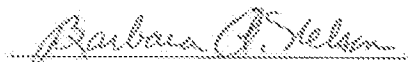
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

Inventor:


Clarke Xu

State of Massachusetts
County of Middlesex) ss

On this 28 day of May, 2019, before me, the undersigned Notary Public, personally appeared Clarke Xu, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.


Signature of Notary

(Seal)

My Commission Expires: March 13, 2026



BARBARA A. NELSON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
March 13, 2026

Inventor:

Prasad Pamidi
Prasad Pamidi


State of Massachusetts
County of Middlesex) ss

On this 28 day of May, 2019, before me, the undersigned Notary Public, personally appeared Prasad Pamidi, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Barbara A. Nelson
Signature of Notary

(Seal)

My Commission Expires: March 13, 2026

 **BARBARA A. NELSON**
Notary Public
Commonwealth of Massachusetts
My Commission Expires
March 13, 2026

Inventor: *Hyungsik Yim*
Hyungsik Yim

State of ~~Massachusetts~~
County of ~~Middlesex~~) ss

On this 26 day of May, 2019, before me, the undersigned Notary Public, personally appeared Hyungsik Yim, proved to me through satisfactory evidence of identification, which was/were driver's license, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Barbara A. Nelson
Signature of Notary

(Seal)

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4844-4328-8212.1



BARBARA A. NELSON
Notary Public
Commonwealth of Massachusetts
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March 13, 2026