

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| NINA LUKINOVA | 02/06/2015 |
| XIAOLING SONG | 02/06/2015 |
| PAUL FRANCIS MACOMBER | 02/13/2015 |
| JILL ANN WHITE | 02/11/2015 |
| RECEIVING PARTY DATA | |
| Name: | WELLSTAT DIAGNOSTICS, LLC |
| Street Address: | 930 CLOPPER ROAD |
| City: | GAITHERSBURG |
| State/Country: | MARYLAND |
| Postal Code: | 20878 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15514264 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)408-4400 |
| <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: | 202-408-4000 |
| Email: | faxserve@finnegan.com |
| Correspondent Name: | AMANDA MURPHY, ESQ. |
| Address Line 1: | FINNEGAN |
| Address Line 2: | 901 NEW YORK AVENUE NW |
| Address Line 4: | WASHINGTON, D.C. 20001-4413 |
| ATTORNEY DOCKET NUMBER: | 14285.0009-00000 |
| NAME OF SUBMITTER: | AMANDA MURPHY |
| SIGNATURE: | /Amanda K. Murphy/ |
| DATE SIGNED: | 05/21/2019 |
| Total Attachments: 6 | |
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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the Receipt of which is hereby acknowledged, I/we the undersigned, *Nina LUKINOVA, Xiaoling SONG, Paul Francis MACOMBER, and Jill Ann WHITE*, residing at 19120 Wheatfield Drive, Germantown, MD 20876, 2111 Brigade Circle, Frederick, MD 21702, 2941 Timber Wood Way, Herndon, VA 20171, and 4225 Angell Road, Taneytown, MD 21787, respectively

Hereby sell, assign and transfer to Wellstat Diagnostics, LLC., a company organized under the laws of the State of Delaware, U.S.A., located at 930 Clopper Road, Gaithersburg, Maryland 20878, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in U.S. Patent Application Nos. 62/054,671, filed September 24, 2014, and is entitled

COMPOSITIONS AND METHODS FOR THE DIAGNOSIS OF LYME DISEASE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its

successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____[L.S.]
Nina LUKINOVA

Unites States of America)
State of Maryland)
County of)

On _____, before me personally appeared _____
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.

_____[L.S.]
Xiaoling SONG

Unites States of America)
State of Maryland)
County of)

On _____, before me personally appeared _____
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.

Paul Francis Macomber [L.S.]
Paul Francis MACOMBER

Unites States of America)
State of Maryland Virginia
County of Fairfax)

On February 13, 2015 before me personally appeared Paul Francis Macomber
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.



[Signature]

..... [L.S.]
Jill Ann WHITE

Unites States of America)
State of Maryland)
County of)

On _____, before me personally appeared _____
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the Receipt of which is hereby acknowledged, I/we the undersigned, *Nina LUKINOVA, Xiaoling SONG, Paul Francis MACOMBER, and Jill Ann WHITE*, residing at 19120 Wheatfield Drive, Germantown, MD 20876, 2111 Brigade Circle, Frederick, MD 21702, 2941 Timber Wood Way, Herndon, VA 20171, and 4225 Angell Road, Taneytown, MD 21787, respectively

Hereby sell, assign and transfer to Wellstat Diagnostics, LLC., a company organized under the laws of the State of Delaware, U.S.A., located at 930 Clopper Road, Gaithersburg, Maryland 20878, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in U.S. Patent Application Nos. 62/054,671, filed September 24, 2014, and is entitled

**COMPOSITIONS AND METHODS FOR THE DIAGNOSIS OF LYME
DISEASE**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its

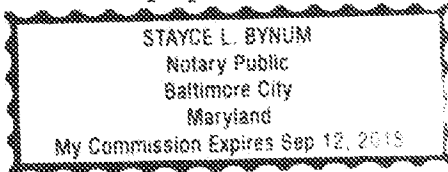
successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related-foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

N. Lukinova [L.S.]
Nina LUKINOVA

Unites States of America)
State of Maryland)
County of Baltimore)

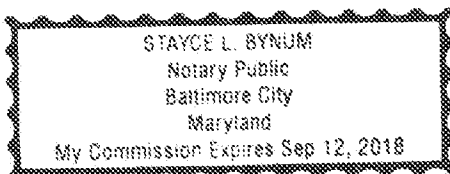
On February 6, 2015, before me personally appeared Nina Lukinova to me known to be the person described in the foregoing Assignment, who acknowledged that he/she executed the foregoing Assignment of his/her own free will for the purpose therein set forth.



Stayce L. Bynum
[L.S.]
Xiaoling SONG

Unites States of America)
State of Maryland)
County of Baltimore)

On February 6, 2015, before me personally appeared Xiaoling Song to me known to be the person described in the foregoing Assignment, who acknowledged that he/she executed the foregoing Assignment of his/her own free will for the purpose therein set forth.



Stayce L. Bynum
[L.S.]
Xiaoling SONG

_____ [L.S.]
Paul Francis MACOMBER

Unites States of America)
State of Maryland)
County of)

On _____, before me personally appeared _____
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.

_____ [L.S.]
Jill Ann White
Jill Ann WHITE

Unites States of America)
State of Maryland)
County of *Baltimore City*)

On *February 11, 2018*, before me personally appeared *Jill Ann White*
to me known to be the person described in the foregoing Assignment, who
acknowledged that he/she executed the foregoing Assignment of his/her own free will
for the purpose therein set forth.

STAYCE L. BYNUM
Notary Public
Baltimore City
Maryland
My Commission Expires Sep 12, 2018

Stayce L. Bynum
_____ [L.S.]
STAYCE L. BYNUM
NOTARY PUBLIC
BALTIMORE CITY, MD