

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4421307

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PRANAV PATEL	09/01/2014
SCOTT TABAKMAN	09/01/2014
KAMILA BELHOCINE	08/01/2014
AARON RICHARDSON	09/03/2014
JOSEPHINE LEE	08/11/2014
CLARISSA LUI	09/29/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THERANOS, INC.
<b>Street Address:</b>	1701 PAGE MILL RD
<b>City:</b>	PALO ALTO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94034
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14604194
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	alin@theranos.com
<b>Correspondent Name:</b>	THERANOS, INC.
<b>Address Line 1:</b>	1701 PAGE MILL RD
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304
<b>ATTORNEY DOCKET NUMBER:</b>	3012.203
<b>NAME OF SUBMITTER:</b>	HAO Y. TUNG
<b>SIGNATURE:</b>	/Hao Y. Tung/
<b>DATE SIGNED:</b>	05/18/2017
<b>Total Attachments: 14</b>	
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WHEREAS, the undersigned:

Pranav Patel, Palo Alto, CA

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS and METHODS for DETECTING INFECTIOUS DISEASES**

for which PCT Application No. ~~PCT/US14/24424~~ was filed on ~~Sept 5, 2014~~, which claims the benefit of U.S. Provisional Application No. 61/874,976 was filed on 9/6/2013; (hereinafter "Application(s)"). Inventor(s) authorize Theranos' patent counsel to insert serial no. and filing date information when known.

WHEREAS, THERANOS, INC., a corporation of the State of Delaware, having a place of business at 1601 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

**PATENT ASSIGNMENT**

Docket Number: 3012.601

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) (issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:

6/30/18

Pranav Patel

WHEREAS, the undersigned,

Frank Patel

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS AND METHODS FOR DETECTING INFECTIOUS DISEASES**

for which Application No. KT/034/2014 was filed on Sep 5, 2014 which claims the benefit of one or more of: U.S. Provisional Application No. 61/874,976 filed on 9/0/2013; U.S. Provisional Application No. 61/885,462 filed on 10/1/2013; U.S. Provisional Application No. 62/001,028 filed on 2/20/2014; U.S. Provisional Application No. 62/001,053 filed on 5/21/2014; or U.S. Provisional Application No. 62/010,382 filed on 6/10/2014. (hereinafter "Application(s)"). Inventor(s) authorize Thermo's patent counsel to insert serial no. and filing date information when known. The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, THERMO, INC., a corporation of the State of Delaware, having a place of business at 1801 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein; and in and to all embodiments of the inventions, hereinafter conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon, granted in the United States and Worldwide (herein collectively referred to as "Patents"); As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Applications in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Applications filed and any and all Patents granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patents granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extension of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent files and documents, giving of testimony, execution of petitions, oaths, specifications, declarations, or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for performing in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissue of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications thereon and any Patents granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

PATENT ASSIGNMENT

Docket Number: 3012.501

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) issued in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the date written below:

Date:

3/1/05

Francis Patel

WHEREAS, the undersigned:

Scott Tabakman

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS AND METHODS FOR DETECTING INFECTIOUS DISEASES**

for which Application No. PCV/US/14/034424 was filed on Sep 5, 2014, which claims the benefit of one or more of: U.S. Provisional Application No. 61/874,976 filed on 9/6/2013; U.S. Provisional Application No. 61/885,462 filed on 10/1/2013; U.S. Provisional Application No. 62/001,039 filed on 5/20/2014; U.S. Provisional Application No. 62/001,053 filed on 5/21/2014; or U.S. Provisional Application No. 62/010,382 filed on 6/10/2014. (hereinafter "Application(s)"). Inventor(s) authorize Theranos' patent counsel to insert serial no. and filing date information when known. The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, THERANOS, INC, a corporation of the State of Delaware, having a place of business at 1601 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection therein granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions; and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

PATENT ASSIGNMENT

Docket Number: 3012.601


4. Said Inventor(s) hereby warrant and represent that they have not entered, and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date: 9/1/2014

  
Scott Tabakman



WHEREAS, the undersigned:

Kamila Belhocine, Palo Alto, CA

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS and METHODS for DETECTING INFECTIOUS DISEASES**

for which PCT Application No. PCT/US/54424 was filed on Sep 5, 2014 which claims the benefit of U.S. Provisional Application No. 61/874,976 was filed on 9/6/2013; (hereinafter "Application(s)"). Inventor(s) authorize Theranos' patent counsel to insert serial no. and filing date information when known.

WHEREAS, THERANOS, INC. a corporation of the State of Delaware, having a place of business at 1601 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

**PATENT ASSIGNMENT**

Docket Number: 3012.601

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.


5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:

8/1/2014

  
Kamila Belfiocine

WHEREAS, the undersigned:

Aaron Richardson

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

#### SYSTEMS AND METHODS FOR DETECTING INFECTIOUS DISEASES

for which Application No. PCT/US14/54424 was filed on Sep 5, 2014 which claims the benefit of one or more of: U.S. Provisional Application No. 61/874,976 filed on 9/6/2013; U.S. Provisional Application No. 61/885,462 filed on 10/1/2013; U.S. Provisional Application No. 62/001,039 filed on 5/20/2014; U.S. Provisional Application No. 62/001,053 filed on 5/21/2014; or U.S. Provisional Application No. 62/010,382 filed on 6/10/2014. (hereinafter "Application(s)"). Inventor(s) authorize Theranos' patent counsel to insert serial no. and filing date information when known. The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, THERANOS, INC, a corporation of the State of Delaware, having a place of business at 1601 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

**PATENT ASSIGNMENT**

Docket Number: 3012.601

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.


5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:

9/13/2014



Aaron Richardson

WHEREAS, the undersigned:

Josephine Lee

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS and METHODS for DETECTING INFECTIOUS DISEASES**

for which PCT Application No. PCT/US/4/34424 was filed on Sept 5, 2014 which claims the benefit of U.S. Provisional Application No. 61/874,976 filed on 9/6/2013; (hereinafter "Application(s)"). Inventor(s) authorize Theranos' patent counsel to insert serial no. and filing date information when known.

WHEREAS, THERANOS, INC., a corporation of the State of Delaware, having a place of business at 1601 S. California Ave., Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

**PATENT ASSIGNMENT**

Docket Number: 3012.601

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

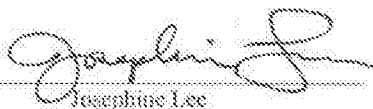
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:

0/1/14



Josephine Lee

WHEREAS, the undersigned:

Clarissa Lui

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

**SYSTEMS AND METHODS FOR DETECTING INFECTIOUS DISEASES**

for which PCT Application No. PCT/US14/54424 was filed on September 5, 2014 (hereinafter "Application(s)").

WHEREAS, THERANOS, INC. a corporation of the State of Delaware, having a place of business at 1701 Page Mill Rd, Palo Alto, CA 94304, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest Worldwide in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, utility models, design registrations, inventor's certificates and other forms of protection thereon granted in the United States and Worldwide (herein collectively referred to as "Patent(s)"). As used herein, "Worldwide" refers to and includes all foreign countries and treaty organizations, and Application(s) and Patent(s) Worldwide include all Applications filed, and Patents issued, in foreign countries and treaty organizations, where treaty organizations include, without limitation, the Patent Cooperation Treaty, the Paris Convention for the Protection of Industrial Property, the European Patent Convention, and any other international convention, agreement, protocol, or treaty).

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s), having full right to convey the entire interest both legal and equitable in the Inventions and Application(s) herein assigned, do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest in the United States and Worldwide (a) in and to said Inventions and Applications, including the right to claim priority to said Inventions and said Application(s) in the United States and Worldwide; (b) in and to all rights to all United States patent Application(s) and Patent(s) and all corresponding non-United States patent Application(s) and Patent(s) Worldwide; (c) in and to any and all Application(s) filed and any and all Patent(s) granted on said Inventions in the United States and Worldwide, including each and every Application filed and any and all Patent(s) granted on any application, including, without limitation, any non-provisional, regional phase, or national phase application claiming the benefit of the Application(s), or a non-provisional, divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). The right, title and interest conveyed in this assignment is to be held and enjoyed by the Assignee and Assignee's successors and assigns as fully and entirely as it would have been held and enjoyed by Assignor(s) had this assignment not been made. Assignor(s) hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include, without limitation, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing, continuation-in-part, or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference, derivation, or priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, post-grant reviews, inter partes reviews, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

**PATENT ASSIGNMENT**

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5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. For any disputes arising out of this Agreement, the Inventor(s) consent to personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:

9/29/2015



Clarissa Lai