

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7063891

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIN MATHERS	07/18/2019
SANDRO KLEIN	07/19/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5823 NEWTON DRIVE
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92008
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29765522
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)529-5132
<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>Phone:</b>	212-529-5131
<b>Email:</b>	docket@mkwllp.com
<b>Correspondent Name:</b>	MAURIEL KAPOUYTIAN WOODS LLP
<b>Address Line 1:</b>	15 W. 26TH STREET
<b>Address Line 2:</b>	7TH FLOOR
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10010
<b>ATTORNEY DOCKET NUMBER:</b>	10121-4000410
<b>NAME OF SUBMITTER:</b>	BENJAMIN CHARKOW
<b>SIGNATURE:</b>	/Benjamin Charkow/
<b>DATE SIGNED:</b>	12/08/2021
<b>Total Attachments: 7</b>	
source=10121-4000410_LT01450DESDIV_Assignment_Inventors-LTC#page1.tif	
source=10121-4000410_LT01450DESDIV_Assignment_Inventors-LTC#page2.tif	
source=10121-4000410_LT01450DESDIV_Assignment_Inventors-LTC#page3.tif	
source=10121-4000410_LT01450DESDIV_Assignment_Inventors-LTC#page4.tif	

source=10121-4000410\_LT01450DESDIV\_Assignment\_Inventors-LTC#page5.tif

source=10121-4000410\_LT01450DESDIV\_Assignment\_Inventors-LTC#page6.tif

source=10121-4000410\_LT01450DESDIV\_Assignment\_Inventors-LTC#page7.tif

**PATENT**

**REEL: 058340 FRAME: 0344**

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we (the "Assignor(s)"):

1. Xin MATHERS, a citizen of **US**; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;  
\_\_\_\_\_ and a resident of **Poway, CA**,

2. Sandro KLEIN, a citizen of **US**; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;  
\_\_\_\_\_ and a resident of **Irvine, CA**.

do hereby:

SELL, ASSIGN, AND TRANSFER to **LIFE TECHNOLOGIES CORPORATION**, (the "Assignee", a corporation of the State of Delaware) having a place of business at 5823 Newton Drive, Carlsbad, California 92008, USA, the entire right, title, and interest for the United States and all foreign countries in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Design Patent Application Serial No. **29/677,464**, filed on **January 21, 2019** entitled *Polymerase Chain Reaction Instrument*, (b) all non-provisional, utility, divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, or extension, and all other applications for patent which have been or shall be filed in the United States and all international applications and/or applications in foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents and substitutions or extensions thereof which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);

(2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States or any other country;

(4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents; and

(5) the rights of priority to the extent (if any) that any of the foregoing applications generates a right of priority.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to each of the patent applications, patents, and improvements referenced herein, and the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

THE ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the Assignee's agents associated with customer number 52059 to insert above the filing date and application number of said application when known.

THE ASSIGNOR(S) AGREE THAT THIS ASSIGNMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

FOR THE ASSIGNOR(S):

Signature: \_\_\_\_\_

Name (1) Xin MATHERS

Date: \_\_\_\_\_

July 18, 2019

Signature: \_\_\_\_\_

Name (3) Sandro KLEIN

Date: \_\_\_\_\_

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we (the "Assignor(s)");

1. Xin MATHERS, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;  
and a resident of Poway, CA,

2. Sandro KLEIN, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;  
and a resident of Irvine, CA.

do hereby:

SELL, ASSIGN, AND TRANSFER to LIFE TECHNOLOGIES CORPORATION, (the "Assignee", a corporation of the State of Delaware) having a place of business at 5823 Newton Drive, Carlsbad, California 92008, USA, the entire right, title, and interest for the United States and all foreign countries in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Design Patent Application Serial No. 29/677,464, filed on January 21, 2019 entitled *Polymerase Chain Reaction Instrument*, (b) all non-provisional, utility, divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, or extension, and all other applications for patent which have been or shall be filed in the United States and all international applications and/or applications in foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents and substitutions or extensions thereof which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);

(2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States or any other country;

(4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents; and

(5) the rights of priority to the extent (if any) that any of the foregoing applications generates a right of priority.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to each of the patent applications, patents, and improvements referenced herein, and the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

THE ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the Assignee's agents associated with customer number 52059 to insert above the filing date and application number of said application when known.

THE ASSIGNOR(S) AGREE THAT THIS ASSIGNMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

FOR THE ASSIGNOR(S):

Signature: \_\_\_\_\_  
Name (1) Xin MATHERS

Date: \_\_\_\_\_

Signature:  \_\_\_\_\_  
Name (3) Sandro KLEIN

Date: 7/19/19



FOR THE ASSIGNEE:

As an authorized representative of the Assignee, I hereby accept the assignment on behalf of the Assignee according to the terms set forth above.



---

Signature of authorized representative  
Phil Makrogiannis  
Vice President, Business IP Counsel

19 July 2019

---

Date