

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6827342

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DANIEL MAZUR	10/31/2016
	PETER VANDER HORN	11/02/2016
	EILEEN TOZER	11/10/2016
	SIHONG CHEN	10/31/2016
	GUOBIN LUO	11/01/2016
	JOSHUA SHIRLEY	10/31/2016
	KEVIN HEINEMANN	10/31/2016
<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>
	Application Number:	17302621
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(760)476-6048	
<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>	650-266-5805	
<b>Email:</b>	PatentDocketing@thermofisher.com	
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION	
<b>Address Line 1:</b>	5823 NEWTON DRIVE	
<b>Address Line 2:</b>	IP DEPARTMENT	
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008	
<b>ATTORNEY DOCKET NUMBER:</b>	LT01102CON2	
<b>NAME OF SUBMITTER:</b>	MILA T. KASAN	
<b>SIGNATURE:</b>	/Mila T. Kasan/	
<b>DATE SIGNED:</b>	07/22/2021	

PATENT

**Total Attachments: 18**

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ASSIGNMENT

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

1. Daniel MAZUR, a citizen of US; having a mailing address of

Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92008;

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and a resident of San Diego, CA.

2. Peter VANDER HORN, a citizen of US; having a mailing address of

Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92008;

---

and a resident of Encinitas, CA.

3. Eileen TOZER, a citizen of US; having a mailing address of

3582 Torrey View Ct, San Diego, CA 92130;

---

and a resident of San Diego, California.

4. Sihong CHEN, a citizen of US; having a mailing address of

Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92008;

---

and a resident of Vista, CA.

5. Guobin LUO, a citizen of CN; having a mailing address of  
Life Technologies Corporation 5823 Newton Drive, Carlsbad, California 92008;  
and a resident of Oceanside, CA.

6. Joshua SHIRLEY, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, California 92008;  
and a resident of Carlsbad, CA.

7. Kevin HEINEMANN, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, Carlsbad, California 92008;  
and a resident of Carlsbad, 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 Non-provisional Patent Application, Serial No. 15/277,834, filed on September 27, 2016 entitled POLYMERASE COMPOSITIONS AND KITS, AND METHODS OF USING AND MAKING THE SAME, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original,

reissued and reexamined patents 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; and

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

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

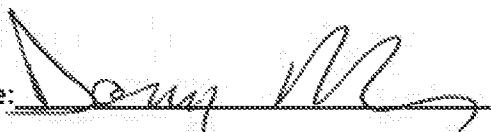
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any 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.

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.

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.

Signature: 

Date: 10/31/2016

Name (1) Daniel MAZUR

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

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

Name (2) Peter VANDER HORN

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

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

Name (3) Eileen TOZER

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


Date: 10/31/2016

Name (4) Sihong CHEN

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

Date: Nov 01, 2016

Name (5) Guobin LUO

Signature: 

Date: 10/31/2016

Name (6) Joshua SHIRLEY

Signature: 

Date: 31-Oct-2016

Name (7) Kevin HEINEMANN



ASSIGNMENT

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and a resident of **Vista, CA**.

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and a resident of **Oceanside, CA.**

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and a resident of **Carlsbad, CA.**

7. Kevin HEINEMANN, a citizen of **US**; having a mailing address of

Life Technologies Corporation, 5823 Newton Drive, Carlsbad, Carlsbad, California 92008;

and a resident of **Carlsbad, 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 Non-provisional Patent Application, Serial No. 15/277,834, filed on September 27, 2016 entitled POLYMERASE COMPOSITIONS AND KITS, AND METHODS OF USING AND MAKING THE SAME, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original,

reissued and reexamined patents 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; and

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

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

Docket No. LT01102

Customer No. 52059

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.

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.

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

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

Name (1) Daniel MAZUR


Docket No. LT01102

Customer No. 52059

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

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

Name (2) Peter VANDER HORN

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

Date: 11/10/10

Name (3) Eileen TOZER

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

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

Name (4) Sihong CHEN

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

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

Name (5) Guobin LUO

Docket No. LT01102

Customer No. 52059

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

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

Name (6) Joshua SHIRLEY

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

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

Name (7) Kevin HEINEMANN

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and a resident of Oceanside, CA.

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Docket No. LT01102

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

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

Name (1) Daniel MAZUR

Docket No. LT01102

Customer No. 52059

Signature: Peter B. Vander Horn

Date: 11/2/16

Name (2) Peter VANDER HORN

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

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

Name (3) Eileen TOZER

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

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

Name (4) Sihong CHEN

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

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

Name (5) Guobin LUO

Docket No. LT01102

Customer No. 52059

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

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

Name (6) Joshua SHIRLEY

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

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

Name (7) Kevin HEINEMANN