

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3631460

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PETER B. VANDER HORN	06/30/2010
CHENG-YAO CHEN	06/25/2010
GUOBIN LUO	06/30/2010
MICHAEL PREVITE	06/30/2010
JAMSHID TEMIROV	07/26/2010
THEO NIKIFOROV	06/24/2010
ZHAOHUI ZHOU	06/16/2010
HONGYE SUN	06/16/2010
YUFANG WANG	06/16/2010
STEFANIE YUKIKO NISHIMURA	06/16/2010
HONGYI WANG	06/23/2010
MARIAN PERIS	06/30/2010
BARNETT B. ROSENBLUM	06/28/2010
MICHAEL PHELAN	06/30/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5791 Van Allen Way
<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>	14108166
<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>	LifetechDocket@system.foundationip.com

**Correspondent Name:** LIFE TECHNOLOGIES CORPORATION  
**Address Line 1:** 5791 VAN ALLEN WAY  
**Address Line 2:** IP DEPARTMENT  
**Address Line 4:** CARLSBAD, CALIFORNIA 92008

**ATTORNEY DOCKET NUMBER:** LT00034 CON

**NAME OF SUBMITTER:** MILA T. KASAN

**SIGNATURE:** /Mila T. Kasan/

**DATE SIGNED:** 11/24/2015

**Total Attachments: 56**

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source=LT00034\_Assignment\_Executed#page56.tif

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned, do hereby:

- ☒ for which a non-provisional application was filed in the United States Patent and Trademark Office on May 28, 2010, Application Serial No. 12/790,760;

SELL, ASSIGN, AND TRANSFER to Life Technologies Corporation (the "Assignee", a corporation of the State of Delaware), having a place of business at 5791 Van Allen Way, Carlsbad, CA 92008, the entire right, title, and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in U.S. Application Serial No. 12/790,760, which was filed on May 28, 2010 and is entitled "NUCLEOTIDE TRANSIENT BINDING FOR SEQUENCING METHODS", and such application and all utility, divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all utility, divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries and that claim priority to said U.S. Application Serial No. 12/790,760; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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.

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 execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible for which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining, and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

Signature: *Peter B. Vander Horn*  
 Name (1) Peter B. VANDER HORN

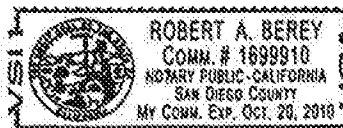
Date: 6/30/10

STATE OF CALIFORNIA )  
 ) ss.  
 COUNTY OF SAN DIEGO )

On JUNE 30, 2010 before me, ROBERT A. BEREY, NOTARY PUBLIC, personally appeared, Peter B. VANDER HORN, who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity~~(ies)~~, and that by his/~~her~~/their signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Robert A. Berrey* (Seal)

LT00034

The Assignee hereby accepts the above assignment of the Patent Rights and all other rights assigned by this assignment

SIGNATURE of Applicant or Assignee of Record

A handwritten signature in black ink, appearing to read 'Alan W. Hammond', written over a horizontal line.

Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: Cheng-Yao Chen  
 Name (2) Cheng-Yao CHEN

Date: 06/25/2010

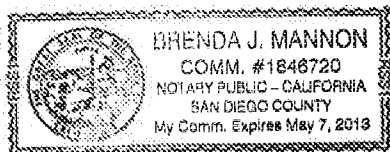
STATE OF California )  
 COUNTY OF San Diego ) ss.

On 25 June 2010 before me, Brenda J. Mannon, Notary Public  
 personally appeared, Cheng-Yao CHEN, who proved to me  
 on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
 subscribed to the within instrument and acknowledged to me that he/she/they executed  
 the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)  
 on the instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Brenda J. Mannon (Seal)



LT00034

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SIGNATURE of Applicant or Assignee of Record

A handwritten signature in black ink, appearing to read 'Alan W. Hammond', is written over a horizontal line.

Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: Guobin Luo  
 Name (3) Guobin LUO

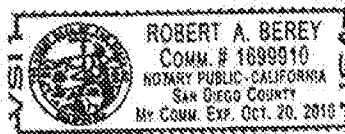
Date: June 30, 2010

STATE OF CALIFORNIA )  
 COUNTY OF SAN DIEGO ) ss.

On JUNE 30, 2010 before me, ROBERT A. BEREY, NOTARY PUBLIC,  
 personally appeared, Guobin LUO, who proved to me on the  
 basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to  
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Signature Robert A. Berrey (Seal)

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Life Technologies Corporation

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LT00034

Signature: [Signature]  
Name (4) Michael PREVITE

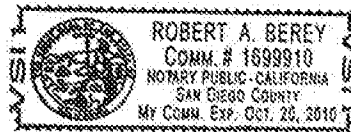
Date: 06/30/2010

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

On JUNE 30, 2010 before me, ROBERT A. BEREY, Notary Public  
personally appeared, Michael PREVITE, who proved to me on  
the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed  
to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in  
his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature(~~s~~) on the  
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted,  
executed the instrument.

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foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Robert A. Berrey (Seal)

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Signature: *[Signature]*  
 Name (5) Jamshid TEMIROV

Date: 7/26/2010

STATE OF Tennessee )  
 ) ss.  
 COUNTY OF Shelby )

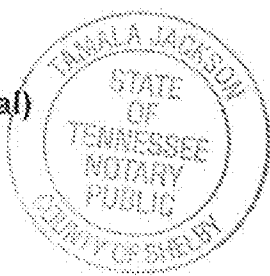
On 26<sup>th</sup> day July 2010 before me, Tamala Jackson,  
 personally appeared, Jamshid TEMIROV, who proved to me on  
 the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed  
 to the within instrument and acknowledged to me that he/she/they executed the same in  
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
 instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Tennessee that  
 the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Tamala Jackson* (Seal)

MY COMMISSION EXPIRES SEPT. 11, 2013



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Signature: T. Nikiforov

Name (6) Theo NIKIFOROV

Date: 6/24/2010STATE OF California )COUNTY OF San Diego )

) ss.

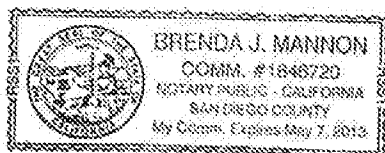
On 24 June 2010 before me, Brenda Mannon, Notary Public  
 personally appeared, Theo NIKIFOROV, who proved to me on  
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 to the within instrument and acknowledged to me that he/she/they executed the same in  
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I certify under PENALTY OF PERJURY under the laws of the State of California that the  
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WITNESS my hand and official seal.

Signature Brenda Mannon

(Seal)



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SELL, ASSIGN, AND TRANSFER to Life Technologies Corporation (the "Assignee", a corporation of the State of Delaware), having a place of business at 5791 Van Allen Way, Carlsbad, CA 92008, the entire right, title, and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in U.S. Application Serial No. 12/790,760, which was filed on May 28, 2010 and is entitled "NUCLEOTIDE TRANSIENT BINDING FOR SEQUENCING METHODS", and such application and all utility, divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all utility, divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries and that claim priority to said U.S. Application Serial No. 12/790,760; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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.

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Signature: *Zhaohui*  
 Name (7) Zhaohui ZHOU

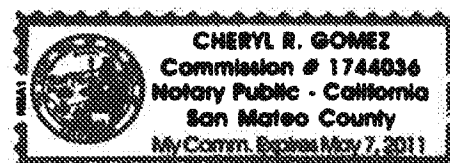
Date: 6/16/2010

STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

On June 16, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Zhaohui ZHOU, who proved to me on the  
 basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to  
 the within instrument and acknowledged to me that he/~~she/they~~ executed the same in  
 his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the  
 instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Cheryl R. Gomez* (Seal)

LT00034

The Assignee hereby accepts the above assignment of the Patent Rights and all other rights assigned by this assignment

SIGNATURE of Applicant or Assignee of Record

A handwritten signature in dark ink, appearing to read 'Alan W. Hammond', is written over a horizontal line.

Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: [Handwritten Signature]  
 Name (8) Hongye SUN

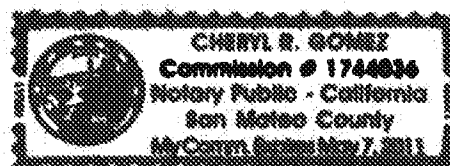
Date: 6/16/2010

STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

On June 16, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Hongye SUN, who proved to me on the  
 basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to  
 the within instrument and acknowledged to me that he/she/they executed the same in  
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
 instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Cheryl R. Gomez (Seal)

LT00034

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Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: *Yufang*  
 Name (9) Yufang WANG

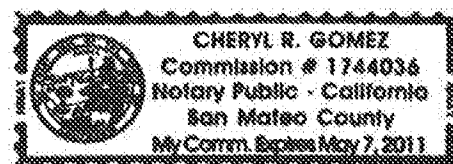
Date: 6/16/2010

STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

On June 16, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Yufang WANG, who proved to me on the  
 basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to  
 the within instrument and acknowledged to me that he/she/they executed the same in  
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
 instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Cheryl R. Gomez* (Seal)

LT00034

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SIGNATURE of Applicant or Assignee of Record

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Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: Stefanie Yukiko Nishimura  
 Name (10) Stefanie Yukiko NISHIMURA

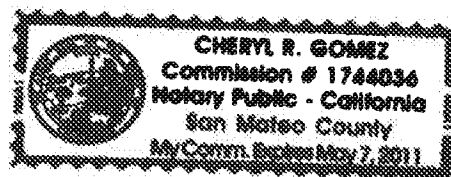
Date: 6/16/10

STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

On June 16, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Stefanie Yukiko NISHIMURA, who proved  
 to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
 subscribed to the within instrument and acknowledged to me that he/she/they executed  
 the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)  
 on the instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Cheryl R. Gomez (Seal)

LT00034

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SIGNATURE of Applicant or Assignee of Record

A handwritten signature in black ink, appearing to read 'Alan W. Hammond', written over a horizontal line.

Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: [Signature]  
 Name (11) Hongyi WANG

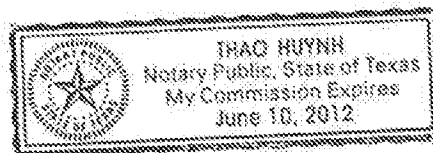
Date: 6/23/2010

STATE OF Texas )  
 ) ss.  
 COUNTY OF Brazoria )

On June 23, 2010 before me, THAO HUYNH,  
 personally appeared, Hongyi WANG, who proved to me on the  
 basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to  
 the within instrument and acknowledged to me that he/she/they executed the same in  
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
 instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Texas that the  
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Signature] (Seal)

LT00034

The Assignee hereby accepts the above assignment of the Patent Rights and all other rights assigned by this assignment

SIGNATURE of Applicant or Assignee of Record

A handwritten signature in black ink, appearing to read 'Alan W. Hammond', written over a horizontal line.

Alan W. Hammond, Chief Intellectual Property Counsel  
Life Technologies Corporation

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Signature: Marian PERIS  
 Name (12) Marian PERIS

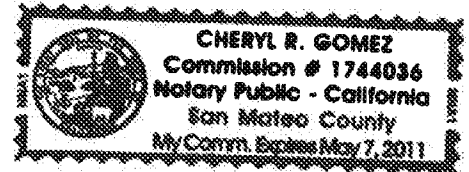
Date: 6/30/2010

STATE OF California )  
 ) ss.  
 COUNTY OF SAN MATEO )

On June 30, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Marian PERIS, who proved to me on  
 the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed  
 to the within instrument and acknowledged to me that he/she/they executed the same in  
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WITNESS my hand and official seal.



Signature Cheryl R. Gomez (Seal)

LT00034

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Life Technologies Corporation

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Signature: *Barnett B. Rosenblum*  
 Name (13) Barnett B. ROSENBLUM

Date: 6/28/2010

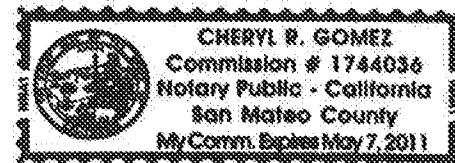
STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

On June 28, 2010 before me, Cheryl R. Gomez  
 personally appeared, Barnett B. ROSENBLUM, who proved  
 to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
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WITNESS my hand and official seal.

Signature *Cheryl R. Gomez* (Seal)



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Life Technologies Corporation

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Signature: Michael Phelan Date: 6/30/2010  
 Name (14) Michael PHELAN

STATE OF California )  
 ) ss.  
 COUNTY OF San Mateo )

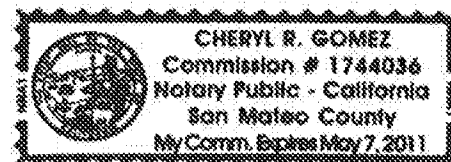
On June 30, 2010 before me, Cheryl R. Gomez,  
 personally appeared, Michael PHELAN, who proved to me on  
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Signature

Cheryl R. Gomez (Seal)



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