

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Keith Bjornson	07/13/2009
Harold Lee	07/16/2009
Jonas Korlach	07/10/2009
Arek Bibillo	07/08/2009
Stephen Turner	07/22/2009
Fred Christians	07/09/2009
Robin Emig	07/10/2009
Molly He	07/10/2009
Insil Park	07/22/2009
Lei Jia	07/13/2009
Andrei Fedorov	07/17/2009
John Lyle	07/17/2009

RECEIVING PARTY DATA

Name:	Pacific Biosciences of California, Inc.
Street Address:	1505 Adams Drive
City:	Menlo Park
State/Country:	CALIFORNIA
Postal Code:	94025

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12414191

CORRESPONDENCE DATA

Fax Number: (408)323-9410

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 650 521-8267

Email: ltuck@pacificbiosciences.com

CH \$40.00 12414191

500920734

PATENT  
REEL: 023011 FRAME: 0273

Correspondent Name: Leonor S. Tuck  
Address Line 1: 1505 Adams Drive  
Address Line 4: Menlo Park, CALIFORNIA 94025

ATTORNEY DOCKET NUMBER: 01-009001US

NAME OF SUBMITTER: /Leonor/

**Total Attachments: 12**

source=01009001USASGASRECORDED072709#page1.tif  
source=01009001USASGASRECORDED072709#page2.tif  
source=01009001USASGASRECORDED072709#page3.tif  
source=01009001USASGASRECORDED072709#page4.tif  
source=01009001USASGASRECORDED072709#page5.tif  
source=01009001USASGASRECORDED072709#page6.tif  
source=01009001USASGASRECORDED072709#page7.tif  
source=01009001USASGASRECORDED072709#page8.tif  
source=01009001USASGASRECORDED072709#page9.tif  
source=01009001USASGASRECORDED072709#page10.tif  
source=01009001USASGASRECORDED072709#page11.tif  
source=01009001USASGASRECORDED072709#page12.tif

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS,

KEITH BJORNSON of 8098 Peachtree Avenue, Newark, CA 94560

HAROLD LEE of 930 Amador Avenue, Sunnyvale, CA 94085

JONAS KORLACH of 36100 Toulouse Street, Newark, CA 94560

STEPHEN TURNER of 356 Stanford Avenue, Menlo Park, CA 94025

AREK BIBILLO of 10100 Torre Avenue, #144, Cupertino, CA 95014

FRED CHRISTIANS of 14134 Amherst Court, Los Altos Hills, CA 94022

ROBIN EMIG of 1140 Granada Street, Belmont, CA 94002

MOLLY HE of 988 N. California Avenue, Palo Alto, CA 94303

INSIL PARK of 38801 Tyson Lane, Fremont, CA 94536

LEI JIA of 3415 Janice Way, Palo Alto, CA 94303

ANDREI FEDOROV of 751 N. El Camino Real, #303, San Mateo, CA 94401

JOHN LYLE of 3 Avocet Drive, #203, Redwood Shores, CA 94065

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:	TWO SLOW-STEP POLYMERASE ENZYME SYSTEM AND METHODS
---------------------	---

Filing Date:	March 30, 2009
--------------	----------------

Application No.:	12/414,191; and
------------------	-----------------

WHEREAS, Pacific Biosciences of California, Inc., located at 1505 Adams Avenue, Menlo Park, CA 94025, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial

designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the date indicated.

7-13-09  
Dated

7/16/09  
Dated

7/10/08  
Dated

Dated  
07/08/08  
Dated

Dated  
7/10/09  
Dated

Dated  
7/22/09  
Dated

07/13/2009  
Dated

07/17/09  
Dated

7/17/09  
Dated

Keith Bjornson  
Keith Bjornson

Harold Lee  
Harold Lee

Jonas Korlach  
Jonas Korlach

Stephen Turner  
Arek Bibillo

Fred Christians  
Robin Emig

Molly He  
Insil Park

Lei Jia  
Lei Jia

Andrei Fedorov  
Andrei Fedorov

John Lyle  
John Lyle

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS,

KEITH BJORNSON of 8098 Peachtree Avenue, Newark, CA 94560

HAROLD LEE of 930 Amador Avenue, Sunnyvale, CA 94085

JONAS KORLACH of 36100 Toulouse Street, Newark, CA 94560

STEPHEN TURNER of 356 Stanford Avenue, Menlo Park, CA 94025

AREK BIBILLO of 10100 Torre Avenue, #144, Cupertino, CA 95014

FRED CHRISTIANS of 14134 Amherst Court, Los Altos Hills, CA 94022

ROBIN EMIG of 1140 Granada Street, Belmont, CA 94002

MOLLY HE of 988 N. California Avenue, Palo Alto, CA 94303

INSIL PARK of 38801 Tyson Lane, Fremont, CA 94536

LEI JIA of 3415 Janice Way, Palo Alto, CA 94303

ANDREI FEDOROV of 751 N. El Camino Real, #303, San Mateo, CA 94401

JOHN LYLE of 3 Avocet Drive, #203, Redwood Shores, CA 94065

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:	TWO SLOW-STEP POLYMERASE ENZYME SYSTEM AND METHODS
Filing Date:	March 30, 2009
Application No.:	12/414,191; and

WHEREAS, Pacific Biosciences of California, Inc., located at 1505 Adams Avenue, Menlo Park, CA 94025, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial

designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the date indicated.

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Keith Bjornson

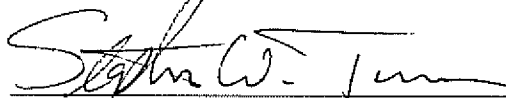
\_\_\_\_\_  
Dated

\_\_\_\_\_  
Harold Lee

\_\_\_\_\_  
Dated

7/22/09  
\_\_\_\_\_  
Dated

\_\_\_\_\_  
Jonas Korlach

\_\_\_\_\_  
  
Stephen Turner

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Arek Bibillo

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Fred Christians

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Robin Emig

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Molly He

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Insil Park

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Lei Jia

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Andrei Fedorov

\_\_\_\_\_  
Dated

\_\_\_\_\_  
John Lyle



**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS,

KEITH BJORNSON of 8098 Peachtree Avenue, Newark, CA 94560

HAROLD LEE of 930 Amador Avenue, Sunnyvale, CA 94085

JONAS KORLACH of 36100 Toulouse Street, Newark, CA 94560

STEPHEN TURNER of 356 Stanford Avenue, Menlo Park, CA 94025

AREK BIBILLO of 10100 Torre Avenue, #144, Cupertino, CA 95014

FRED CHRISTIANS of 14134 Amherst Court, Los Altos Hills, CA 94022

ROBIN EMIG of 1140 Granada Street, Belmont, CA 94002

MOLLY HE of 988 N. California Avenue, Palo Alto, CA 94303

INSIL PARK of 38801 Tyson Lane, Fremont, CA 94536

LEI JIA of 3415 Janice Way, Palo Alto, CA 94303

ANDREI FEDOROV of 751 N. El Camino Real, #303, San Mateo, CA 94401

JOHN LYLE of 3 Avocet Drive, #203, Redwood Shores, CA 94065

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention: TWO SLOW-STEP POLYMERASE ENZYME  
SYSTEM AND METHODS

Filing Date: March 30, 2009

Application No.: 12/414,191; and

WHEREAS, Pacific Biosciences of California, Inc., located at 1505 Adams Avenue, Menlo Park, CA 94025, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial

designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the date indicated.

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Keith Bjornson

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Harold Lee

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Jonas Korlach

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Stephen Turner

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Arek Bibillo

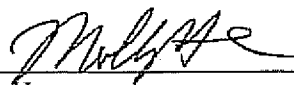
\_\_\_\_\_  
Dated

\_\_\_\_\_  
Fred Christians

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Robin Emig

2/10/09  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
Molly He

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Insil Park

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Lei Jia

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Andrei Fedorov

\_\_\_\_\_  
Dated

\_\_\_\_\_  
John Lyle

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS,

KEITH BJORNSON of 8098 Peachtree Avenue, Newark, CA 94560

HAROLD LEE of 930 Amador Avenue, Sunnyvale, CA 94085

JONAS KORLACH of 36100 Toulouse Street, Newark, CA 94560

STEPHEN TURNER of 356 Stanford Avenue, Menlo Park, CA 94025

AREK BIBILLO of 10100 Torre Avenue, #144, Cupertino, CA 95014

FRED CHRISTIANS of 14134 Amherst Court, Los Altos Hills, CA 94022

ROBIN EMIG of 1140 Granada Street, Belmont, CA 94002

MOLLY HE of 988 N. California Avenue, Palo Alto, CA 94303

INSIL PARK of 38801 Tyson Lane, Fremont, CA 94536

LEI JIA of 3415 Janice Way, Palo Alto, CA 94303

ANDREI FEDOROV of 751 N. El Camino Real, #303, San Mateo, CA 94401

JOHN LYLE of 3 Avocet Drive, #203, Redwood Shores, CA 94065

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:	TWO SLOW-STEP POLYMERASE ENZYME SYSTEM AND METHODS
---------------------	---

Filing Date:	March 30, 2009
--------------	----------------

Application No.:	12/414,191; and
------------------	-----------------

WHEREAS, Pacific Biosciences of California, Inc., located at 1505 Adams Avenue, Menlo Park, CA 94025, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial

designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the date indicated.

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Keith Bjornson

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Harold Lee

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Jonas Korlach

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Stephen Turner

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Arek Bibillo

7/9/09  
Dated

Fred C. Christians  
Fred Christians

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Robin Emig

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Molly He

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Insil Park

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Lei Jia

\_\_\_\_\_  
Dated

\_\_\_\_\_  
Andrei Fedorov

\_\_\_\_\_  
Dated

\_\_\_\_\_  
John Lyle