

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4745079

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH H. SMITH	10/11/2007
DAVID H PERSING	09/21/2007
ALAN WORTMAN	10/08/2007
RONALD CHANG	10/11/2007
DAVID SWENSON	09/12/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CEPHEID
<b>Street Address:</b>	904 CARIBBEAN DRIVE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94089
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15849125
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)576-0300
<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>	4155760200
<b>Email:</b>	dhill@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER, 19TH FLOOR
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	085430-1071031
<b>NAME OF SUBMITTER:</b>	DONNA HILL
<b>SIGNATURE:</b>	/Donna Hill/
<b>DATE SIGNED:</b>	12/20/2017
<b>Total Attachments: 8</b>	
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source=Assignment-from-parent#page8.tif

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, **Joseph H. Smith** of 21 Goldfinch Avenue, Henderson, NV 89014; **David H. Persing** of 830 West San Martin Avenue, San Martin, CA 95046; **Alan Wortman** of 93 Jeter Street, Redwood City, CA 94062; **Ronald Chang** of 706 Mendocino Way, Redwood City, CA 94065; and **David Swenson** of 700 Agnew Road, #315, Santa Clara, CA 95054, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:           METHODS AND APPARATUS FOR SEQUENTIAL  
  AMPLIFICATION REACTIONS

Date(s) of execution of Declaration:

Filing Date:                   April 30, 2007

Application No.:           11/742,028; and

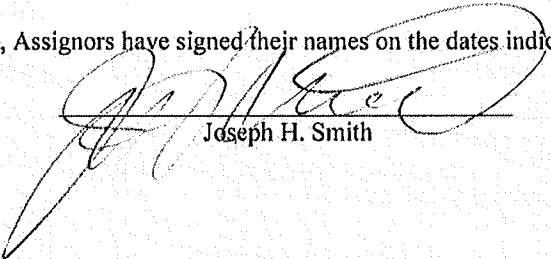
WHEREAS, **Cepheid**, a corporation of the state of California, located at 904 Caribbean Drive, Sunnyvale, CA 94089, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the 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 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 they 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 patent 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.

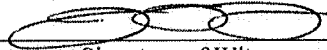
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 10/11/07

  
Joseph H. Smith

SIGNATURE WITNESSED BY:

Dated: 10/11/07

  
Signature of Witness

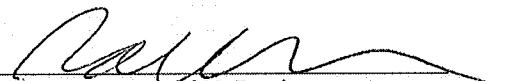
JEANNIE G. LABRA  
Printed Name

Dated: \_\_\_\_\_

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Signature of Witness

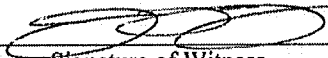
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Printed Name

Dated: 9/21/07

  
David H. Persing

SIGNATURE WITNESSED BY:

Dated: 9/21/07

  
Signature of Witness

JEANNIE G. LABRA  
Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness


\_\_\_\_\_  
Printed Name

Dated: 8 Oct 2007

  
Alan Wortman

SIGNATURE WITNESSED BY:

Dated: 10/8/07

  
Signature of Witness

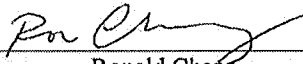
JEANNIE G. LABRA  
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Signature of Witness


\_\_\_\_\_  
Printed Name

Dated: 10/11/07

  
Ronald Chang

SIGNATURE WITNESSED BY:

Dated: 10/11/07

  
Signature of Witness

JEANNIE G. LABRA  
Printed Name

Dated: \_\_\_\_\_

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Signature of Witness

\_\_\_\_\_  
Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
David Swenson

SIGNATURE WITNESSED BY:

Dated: \_\_\_\_\_

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Signature of Witness

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Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

61040946 v1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Joseph H. Smith** of 21 Goldfinch Avenue, Henderson, NV 89014; **David H. Persing** of 830 West San Martin Avenue, San Martin, CA 95046; **Alan Wortman** of 93 Jeter Street, Redwood City, CA 94062; **Ronald Chang** of 706 Mendocino Way, Redwood City, CA 94065; and **David Swenson** of 700 Agnew Road, #315, Santa Clara, CA 95054, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

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Assignors further agree that they 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 patent 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 dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Joseph H. Smith

SIGNATURE WITNESSED BY:

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

Dated: \_\_\_\_\_

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Signature of Witness

\_\_\_\_\_  
Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
David H. Persing

SIGNATURE WITNESSED BY:

Dated: \_\_\_\_\_

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Signature of Witness

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Printed Name

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Signature of Witness

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Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
Alan Wortman



SIGNATURE WITNESSED BY:

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Printed Name

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Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ronald Chang

SIGNATURE WITNESSED BY:

Dated: \_\_\_\_\_

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Signature of Witness

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Printed Name

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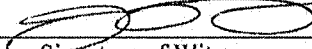
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Dated: 9/21/07

David Swenson  
David Swenson

SIGNATURE WITNESSED BY:

Dated: 9/21/07

  
\_\_\_\_\_  
Signature of Witness

JEANNIE G. LERA  
\_\_\_\_\_  
Printed Name

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Printed Name

61040946 v1