

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2777302

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PRESIDENT AND FELLOWS OF HARVARD COLLEGE	02/06/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DANA FARBER CANCER INSTITUTE
<b>Street Address:</b>	44 BINNEY STREET
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02155
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1325246
<b>Application Number:</b>	61596821
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)495-9568
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(617) 495-3058
<b>Email:</b>	denlyn_atherton@harvard.edu
<b>Correspondent Name:</b>	ANNE CRAIG
<b>Address Line 1:</b>	1350 MASSACHUSETTS AVE
<b>Address Line 2:</b>	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02138
<b>ATTORNEY DOCKET NUMBER:</b>	4299 CORRECTIVE
<b>NAME OF SUBMITTER:</b>	ANNE I. CRAIG
<b>SIGNATURE:</b>	/aic/
<b>DATE SIGNED:</b>	03/20/2014
<b>Total Attachments: 5</b>	
source=Assignment and NOR for correction#page3.tif	
source=Assignment and NOR for correction#page4.tif	
source=Assignment and NOR for correction#page5.tif	
source=Assignment and NOR for correction1#page1.tif	
source=Assignment and NOR for correction1#page2.tif	

PATENT

502730696

REEL: 032484 FRAME: 0835



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 8, 2014

PTAS

ANNE CRAIG  
1350 MASSACHUSETTS AVE  
HARVARD UNIVERSITY, OFFICE OF TECH.  
DEV.  
CAMBRIDGE, MA 02138

**502623030**

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/07/2014

REEL/FRAME: 031902/0839  
NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 4299 PCT

ASSIGNOR:  
SCHMIDT, THORSTEN LARS

DOC DATE: 12/03/2013

ASSIGNOR:  
SHIH, WILLIAM MIN-WEI

DOC DATE: 12/03/2013

ASSIGNOR:  
THEILMANN, MARK

DOC DATE: 12/03/2013

ASSIGNEE:  
PRESIDENT AND FELLOWS OF HARVARD  
COLLEGE  
17 QUINCY STREET  
CAMBRIDGE, MASSACHUSETTS 02138

APPLICATION NUMBER:  
PATENT NUMBER:  
PCT NUMBER: US1325246  
TITLE:

FILING DATE:  
ISSUE DATE:

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2669639

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>THORSTEN LARS SCHMIDT</td> <td>12/03/2013</td> </tr> <tr> <td>WILLIAM MIN-WEI SHIH</td> <td>12/03/2013</td> </tr> <tr> <td>MARK THEILMANN</td> <td>12/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	THORSTEN LARS SCHMIDT	12/03/2013	WILLIAM MIN-WEI SHIH	12/03/2013	MARK THEILMANN	12/03/2013
Name	Execution Date								
THORSTEN LARS SCHMIDT	12/03/2013								
WILLIAM MIN-WEI SHIH	12/03/2013								
MARK THEILMANN	12/03/2013								
RECEIVING PARTY DATA									
Name:	President and Fellows of Harvard College								
Street Address:	17 Quincy Street								
City:	Cambridge								
State/Country:	MASSACHUSETTS								
Postal Code:	02138								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1325246</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1325246				
Property Type	Number								
PCT Number:	US1325246								
CORRESPONDENCE DATA									
Fax Number:	(617)495-9568								
Phone:	(617) 495-3067								
Email:	patents@harvard.edu								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	ANNE CRAIG								
Address Line 1:	1350 MASSACHUSETTS AVE								
Address Line 2:	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.								
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02138								
ATTORNEY DOCKET NUMBER:	4299 PCT								
NAME OF SUBMITTER:	ANNE CRAIG								
Signature:	/aic/								

## ASSIGNMENT

**President and Fellows of Harvard College  
17 Quincy Street  
Cambridge, Massachusetts 02138 U.S.A.**

(hereafter "Assignor") hereby assigns and transfers to:

**Dana Farber Cancer Institute  
44 Binney Street  
Boston, Massachusetts 02155**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions and improvements for:

### **SELECTIVE NUCLEIC ACID AMPLIFICATION FROM NUCLEIC ACID POOLS**

described in **U.S. Patent Application No. 61/596,821 filed February 9, 2012**, which was assigned to Assignor in an Assignment from inventors William Shih, Mark Theilmann, and Thorsten L. Schmidt recorded in the U.S. Patent and Trademark Office on February 29, 2012 under Reel 027779/Frame 0776, and in corresponding International Application No. **PCT/US13/25246 filed February 8, 2013**, which was assigned to Assignor in an Assignment from inventors William Shih, Mark Theilmann, and Thorsten L. Schmidt recorded in the U.S. Patent and Trademark Office on July 23, 2013 under Reel 030860/Frame 0789, and to the aforesaid applications, in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; and Assignor's entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or their successors and assigns.

Assignor further agrees to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

2/6/2014  
Date

Anne I. Craig  
Anne I. Craig  
Title: Director of Intellectual Property

Feb 6, 2014  
Date

Michelle Rosenberg  
Witness

Michelle Rosenberg  
Witness's Printed Name

02-02-2014  
Date

Denlyn K. Atherton  
Witness

Denlyn K. Atherton  
Witness's Printed Name