

## PATENT ASSIGNMENT COVER SHEET

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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>SHEEL MUKESH SHAH</td> <td>12/11/2013</td> </tr> <tr> <td>AXEL SCHERER</td> <td>12/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHEEL MUKESH SHAH	12/11/2013	AXEL SCHERER	12/11/2013
Name	Execution Date						
SHEEL MUKESH SHAH	12/11/2013						
AXEL SCHERER	12/11/2013						
RECEIVING PARTY DATA							
Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY						
Street Address:	1200 E. CALIFORNIA BLVD.,						
Internal Address:	M/C 210-85						
City:	PASADENA						
State/Country:	CALIFORNIA						
Postal Code:	91125						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13958479</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13958479		
Property Type	Number						
Application Number:	13958479						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	THOMAS NGUYEN						
Signature:	/Thomas Nguyen, Reg. No. 68,590/						
Date:	12/19/2013						

OP \$40.00 13958479

PATENT

**Total Attachments: 5**

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**ASSIGNMENT**

We, Imran R. MALIK residing in United States of America with a mailing address at 229 S. Wilson Avenue, #8, Pasadena, CA 91106,

Xiomara Linnette MADERO, residing in United States of America with a mailing address at 401 Roads End Rd., Glendale, CA 91205,

Erika F. GARCIA, residing in United States of America with a mailing address at 1615 Yosemite Drive, #102, Los Angeles, CA, 90041,

Sheel Mukesh SHAH, residing in United States of America with a mailing address at 1843 Greenfield Avenue, #2, Los Angeles, CA, 90025, and

Axel SCHERER, residing in United States of America with a mailing address at P.O. Box 5, Barnard, VT, 05031, and

hereby sell and assign for good and valuable consideration, the receipt of which we hereby acknowledge,

to CALIFORNIA INSTITUTE OF TECHNOLOGY, an entity having its principal place of business in United States of America at 1200 E. California Blvd., M/C 210-85, Pasadena, CA 91125,

hereinafter referred to as the assignee, its successors, assigns and nominees, our entire right, title and interest, including all priority rights under U.S. law and/or International conventions and treaties, in and to the "MULTIPLEXING AND QUANTIFICATION IN PCR WITH REDUCED HARDWARE AND REQUIREMENTS"

invented by us, as described and/or claimed in U.S. Provisional Application No. 61/679,547, filed on August 3, 2012, in the corresponding U.S. Patent Application No. 13/958,479, filed on August 2, 2013, and in any other related patent applications filed and/or to be filed not only for, to and in the United States of America its territories and possessions, but also for, to and in all other countries,

including any and all divisions, reissues, continuations, continuations-in-part and extensions of said U.S. Patent Application and any and all International patent applications related to said U.S. Provisional Application No. 61/679,547 and/or U.S. Patent Application No. 13/958,479, and authorize and request any officials whose duty it is to issue patents, to issue any patent on said ""MULTIPLEXING AND QUANTIFICATION IN PCR WITH REDUCED HARDWARE AND REQUIREMENTS"" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at \_\_\_\_\_  
City Country

On \_\_\_\_\_  
Date

Inventor Name: Imran R. MALIK

Inventor Signature \_\_\_\_\_

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Subscribed and executed at \_\_\_\_\_  
City Country

On \_\_\_\_\_  
Date

Inventor Name: Xiomara Linnette MADERO

Inventor Signature \_\_\_\_\_

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Subscribed and executed at \_\_\_\_\_  
City Country

On \_\_\_\_\_  
Date

Inventor Name: Erika F. GARCIA

Inventor Signature \_\_\_\_\_

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

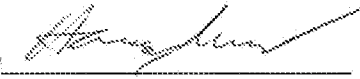
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City Country

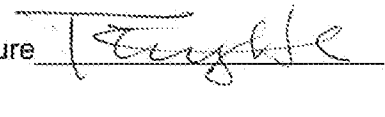
On 12/11/13  
Date

Inventor Name: Sheel Mukesh SHAH

Inventor Signature 

Witnessed by:

Witness Name: Harry Nunn Signature 

Witness Name: Ting Fay He Signature 

Subscribed and executed at \_\_\_\_\_  
City Country

On \_\_\_\_\_  
Date

Inventor Name: Axel SCHERER

Inventor Signature \_\_\_\_\_

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

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City Country

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Inventor Name: Sheel Mukesh SHAH

Inventor Signature \_\_\_\_\_

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Subscribed and executed at Pasadena USA  
City Country

On 12/11/13  
Date

Inventor Name: Axel SCHERER

Inventor Signature Axel Scherer

Witnessed by:

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name: \_\_\_\_\_ Signature \_\_\_\_\_