

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael G Pollack</td> <td>11/18/2010</td> </tr> <tr> <td>Philip Y Paik</td> <td>11/11/2010</td> </tr> <tr> <td>Vamsee K Pamula</td> <td>12/03/2010</td> </tr> </tbody> </table>		Name	Execution Date	Michael G Pollack	11/18/2010	Philip Y Paik	11/11/2010	Vamsee K Pamula	12/03/2010
Name	Execution Date								
Michael G Pollack	11/18/2010								
Philip Y Paik	11/11/2010								
Vamsee K Pamula	12/03/2010								
<b>RECEIVING PARTY DATA</b>									
Name:	Duke University								
Street Address:	Box 90083								
Internal Address:	Office of Science & Technology								
City:	Durham								
State/Country:	NORTH CAROLINA								
Postal Code:	27708								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11639490</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11639490				
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Application Number:	11639490								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(919)287-9011								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	005UTL2 TO DUKE								
NAME OF SUBMITTER:	William Barrett								
Total Attachments: 3									

OP \$40.00 11639490

**501372028**

**PATENT**  
**REEL: 025477 FRAME: 0739**

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PATENT ASSIGNMENT

This Assignment is made by Michael G. Pollack, of Durham, North Carolina; Philip Y. Paik, of Chula Vista, California; and Vamsee K. Pamula, of Durham, North Carolina (hereinafter "Assignors"), to Duke University, a non-profit organization located at Durham, North Carolina (hereinafter "Assignee").

WHEREAS, Assignors have invented certain new and useful improvements concerning Droplet-Based Nucleic Acid Amplification Method and Apparatus, the invention being described in and identified by an application for United States Letters Patent, filed December 15, 2006 as U.S. Patent Application Serial No. 11/639,490.

AND, WHEREAS, Assignee desires to acquire the entire right, title, and interest in the application and the invention and improvements on the invention, and in Letters Patent on the same when granted in the United States and foreign countries.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors by these presents do hereby sell, assign, transfer, and convey unto the Assignee, its successors and assigns, the entire right, title, and interest in and to the application and the invention arising during the period coincident with Assignor's enrollment with Assignee, and in any improvements on the invention made or acquired by Assignors during the period coincident with Assignors' enrollment with Assignee, and to all rights of priority to the same pursuant to the International Convention for the Protection of Industrial Property, and in and to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions of any U.S. or foreign patent application filed on the invention, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this Assignment.

Assignors further warrant and represent that, at the time of the execution and delivery of these presents, Assignors possess their full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for said invention in all countries and to vest in the Assignee complete title to the invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 18<sup>th</sup> day of November, 2010.

Michael G. Pollack  
Michael G. Pollack (Seal)

Witnessed by:


D. G. Volk 11/18/10  
Name Date

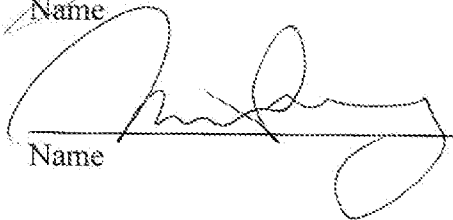
HENDER (ADRENCE) 11/18/10  
Name Date

Executed this 11<sup>th</sup> day of November, 2010.

  
Philip Y. Paik (Seal)

Witnessed by:

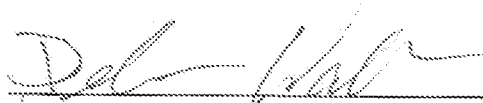
  
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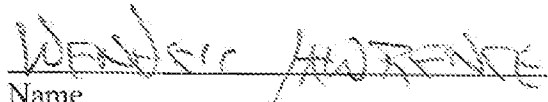
  
Name \_\_\_\_\_ Date 11/11/10

Executed this 3<sup>rd</sup> day of Dec, 2010.

  
Vamsee K. Pamula (Seal)

Witnessed by:

  
Name \_\_\_\_\_ Date 12/3/10

  
Name \_\_\_\_\_ Date 12/3/10

ND: 4838-6821-3512, v. 1

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