

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WILLIAM AGNEW	03/25/2013
MARK EMERICK	03/14/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMORY UNIVERSITY
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<b>Internal Address:</b>	OFFICE OF TECHNOLOGY TRANSFER
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30322
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14768749
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<b>ATTORNEY DOCKET NUMBER:</b>	6975-95588-11
<b>NAME OF SUBMITTER:</b>	SUSAN ALPERT SIEGEL
<b>SIGNATURE:</b>	/Susan Alpert Siegel/
<b>DATE SIGNED:</b>	09/02/2015
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

**WHEREAS**, we, William AGNEW of Atlanta, Georgia and Mark C. EMERICK of Atlanta, Georgia, have invented new and useful improvements in METHODS OF SEQUENCING NUCLEIC ACIDS IN HETEROGENEOUS MIXTURES AND COMPOSITIONS RELATED THERETO for which a United States Provisional Application was filed on February 20, 2013, and assigned Serial No. 61/766,841; and

**WHEREAS, EMORY UNIVERSITY**, a Georgia nonprofit corporation with offices located at 1599 Clifton Road, 4<sup>th</sup> Floor, Atlanta, Georgia 30322, is desirous of attaining our entire interest in the same;

**NOW, THEREFORE**, consistent with our existing obligations under the Intellectual Property Policy laid out in Section 7.6 of the Emory University Policy Manual, for good and valuable consideration received the sufficiency and adequacy of which are hereby acknowledged, we, William AGNEW and Mark C. EMERICK, sell, assign and transfer unto said **EMORY UNIVERSITY**, the entire right, title and interest in and to said invention throughout the world, including, without limitation, any U.S. application claiming a right of priority from this provisional application, said provisional application, any Letters Patent which may issue thereon, and any subsequent application(s) claiming priority to the above-identified application(s) under 35 U.S.C. § 19(e), any reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under any International Convention arising from said application(s).

**AND**, We hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **EMORY UNIVERSITY's** legal

representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

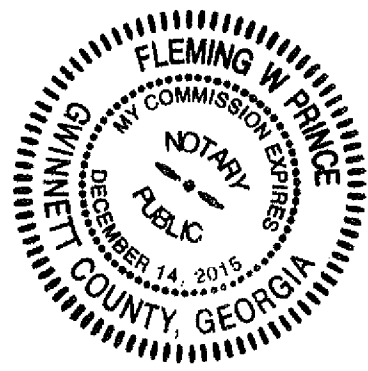
Date: March 25, 2013 By: [Signature] (P.S.)  
William AGNEW


State of GEORGIA  
County of Gwinnett

On 3/25/2013 before me, Fleming W Prince personally appeared William Agnew, personally known to me OR proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

[Signature]  
Notary Public

My Commission Expires: 12-14-2015



Date: March 14, 2013 By:  (L.S.)  
Mark EMERICK

State of ~~GEORGIA~~ <sup>MD</sup> MD  
County of HOWARD

On 03/14/2013 before me, Notary public - Stephano T. Nam personally appeared Mark Emerick, personally known to me OR proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

  
Notary Public

My Commission Expires: STEPHANO T. NAM  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires November 26, 2015