PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael G Pollack	10/05/2011
Vamsee K Pamula	10/11/2011
Richard B Fair	10/18/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11753318
Patent Number:	8048628

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: D003CON1

PATENT

REEL: 027094 FRAME: 0764

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NAME OF SUBMITTER:	William Barrett
Total Attachments: 3 source=D003CON1 10-20-11 Assign-2-Duk source=D003CON1 10-20-11 Assign-2-Duk source=D003CON1 10-20-11 Assign-2-Duk	e_SIGNED#page2.tif

PATENT REEL: 027094 FRAME: 0765

PATENT ASSIGNMENT

This Assignment is made by Michael G. Pollack of Durham, North Carolina, Vamsee K. Pamula of Durham, North Carolina, and Richard B. Fair 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 Methods for Nucleic Acid Amplification on a Printed Circuit Board, the invention being described in and identified by an application for United States Letters Patent, filed May 24, 2007 as U.S. Patent Application Serial No. 11/753,318.

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, and in any improvements on the invention previously or in the future made or acquired by Assignors, 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.

^{3 -} PATENT REEL: 027094 FRAME: 0766 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 abovementioned, 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,

said invention in all countries and to ves	it in the Assignee complete title to the	e invention and
Letters Patent, without further compensation	on, but at the expense of said Assignee	, its successors
assigns and other legal representatives.	S ^{によ} のこれ Executed this day of Septer	ber
	Excelled this day of septer	11001, 2011.
	Markey G. For	
	Michael G. Pollack	(Seal)
Witnessed by:	, ,	
	10/5/11	
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Name Da	ate	
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	Executed times thay or septen	noci, 2011.
	Olando Lillo	
	Vamsee K. Pamula	(Seal)
Witnessed by:	. , .	
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Name Da	té /	
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PATENT REEL: 027094 FRAME: 0767

Attorney File No. 060885-00078 D003CON1

	Executed this 18	lay of October, 2011.
Witnessed by:	Richard B. Fair	(Seal)
Bang-Hingthy	11/3//01	
Name Randell Evens	Date ○/ ९/ (
Name	Date	