

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JAMES J COLLINS	02/05/2010
RECEIVING PARTY DATA		
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14135009
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NAME OF SUBMITTER:	LEENA H. KARTTUNEN CONTARINO	
SIGNATURE:	/LEENA H. KARTTUNEN CONTARINO/	
DATE SIGNED:	07/28/2016	
Total Attachments: 2		
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For: U.S. and Foreign Rights
By: Multiple Inventors

ASSIGNMENT OF INVENTION CONTAINED IN PCT APPLICATION
(MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR (inventor):

Name: **James J. COLLINS**

Address: 118 Glen Avenue
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United States

Nationality: US

hereby sells, assigns and transfers to

ASSIGNEE (applicant):

Name: **TRUSTEES OF BOSTON UNIVERSITY**

Address: One Silber Way
Boston, MA 02215
UNITED STATES

Nationality: US

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled **MODULAR NUCLEIC ACID-BASED CIRCUITS FOR COUNTERS, BINARY OPERATIONS, MEMORY, AND LOGIC** and which is found in (37 C.F.R. Section 3.21) PCT Application Serial No. **PCT/US09/69288** which has an **International Filing Date** of **December 22, 2009**, and any legal equivalent thereof in any designated country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

NIXON PEABODY LLP
100 Summer Street
Boston, Massachusetts 02110-2131

Attorney's Docket No. 701586-064281-PCT
PCT/US09/69288

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document.

IN TESTIMONY WHEREOF, I, James J. Collins, hereunto set my signature this 5
day of FEB, 2010.


James J. Collins

STATE OF MASSACHUSETTS
COUNTY OF SUFFOLK SS:

This 5 day of FEBRUARY, 2010, before me personally came the above-named James J. Collins, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.


Notary Public

