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Client Code: SYRAC.006A

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To the Director, U.S. Patent and Trademark Off

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documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1) Philip N. Borer; 2) Bruce S. Hudson</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> Syracuse University</p> <p><b>Address:</b> 113 Bowne Hall</p> <p><b>City:</b> Syracuse <b>State:</b> NY</p> <p><b>ZIP:</b> 13244-1200</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement</p> <p>( ) Merger ( ) Change of Name</p> <p>( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1) 9/8/05; 2) 9/8/05</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 11/195,547</p> <p>Filing Date: 08/02/05</p> <p>Additional numbers attached?</p> <p>( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995</p> <p><b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> SYRAC.006A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Enclosed</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>Che Swyden Chereskin, Ph.D.</u> Name of Person Signing</p> <p><u>Che S. Chereskin</u> Signature</p> <p><u>Sept. 8, 2005</u> Date</p> <p>41,466 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

Documents transmitted via Mail to be recorded with required cover sheet information to:

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PATENT  
REEL: 016975 FRAME: 0169

Application No.: 11/195,547  
Filing Date: August 2, 2005

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### ASSIGNMENT

WHEREAS, We, Philip N. Borer, a U.S. citizen, residing at 1969 Rte. 31, Chittenango, NY 13037 and Bruce S. Hudson, a U.S. citizen, residing at 114 Miles Ave., Syracuse, NY 13210, have invented certain new and useful improvements in a BRANCHED AND MULTI-CHAIN NUCLEIC ACID SWITCHES FOR SENSING AND SCREENING for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Syracuse University (hereinafter "ASSIGNEE"), with its principal place of business at 113 Bowne Hall, Syracuse, NY 13244-1200, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of September, 2005

PNB

Philip N. Borer

STATE OF New York  
COUNTY OF Onondaga } ss.

Deborah A. Maley

On Sept 8, 2005, before me, Philip N. Borer, personally appeared Philip N. Borer personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

DEBORAH A. MALEY  
Notary Public, State of New York  
Qualified in Onondaga Co. No. 01MA5017818  
My Commission Expires Sept. 13, 2007

Deborah A. Maley  
Notary Signature

Application No.: 11/195,547  
Filing Date: August 2, 2005

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of Sept, 2005

Bruce S. Hudson  
Bruce S. Hudson

STATE OF New York }  
COUNTY OF Onondaga } ss.

On Sept 8, 2005 before me, Deborah A. Maley, personally appeared Bruce S. Hudson personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

DEBORAH A. MALEY  
Notary Public, State of New York  
Qualified in Onondaga Co. No. 01MA5017818  
My Commission Expires Sept. 13, 2007

Deborah A. Maley  
Notary Signature

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