

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Timothy W. Nilsen</td> <td>12/11/2007</td> </tr> <tr> <td>Patricia A. Maroney</td> <td>12/11/2007</td> </tr> <tr> <td>Sangpen Chamnongpol</td> <td>12/12/2007</td> </tr> </tbody> </table>		Name	Execution Date	Timothy W. Nilsen	12/11/2007	Patricia A. Maroney	12/11/2007	Sangpen Chamnongpol	12/12/2007
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Timothy W. Nilsen	12/11/2007								
Patricia A. Maroney	12/11/2007								
Sangpen Chamnongpol	12/12/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Case Western Reserve University								
<b>Street Address:</b>	10900 Euclid Avenue								
<b>City:</b>	Cleveland								
<b>State/Country:</b>	OHIO								
<b>Postal Code:</b>	44106								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11862272</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11862272				
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Application Number:	11862272								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(216)621-4072								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	216.621.2234								
<b>Email:</b>	jsherrill@tarolli.com								
<b>Correspondent Name:</b>	Richard A. Sutkus								
<b>Address Line 1:</b>	1300 East Ninth Street								
<b>Address Line 2:</b>	Suite 1700								
<b>Address Line 4:</b>	Cleveland, OHIO 44114								
<b>ATTORNEY DOCKET NUMBER:</b>	CWR-8340NP								
<b>NAME OF SUBMITTER:</b>	Richard A. Sutkus								

Total Attachments: 3  
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**PATENT**  
**REEL: 020236 FRAME: 0244**

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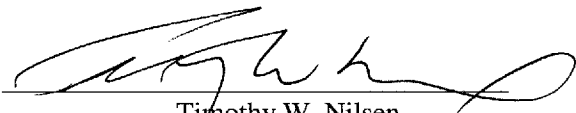
**ASSIGNMENT**

WHEREAS, we, Timothy W. Nilsen, Patricia A. Maroney and Sangpen Chamnongpol of Chagrin Falls, County of Cuyahoga, State of Ohio; of Chagrin Falls, County of Cuyahoga, State of Ohio; and of Streetsboro, County of Portage, State of Ohio; respectively, have made new and useful improvements in **METHOD FOR DETECTING SMALL OLIGONUCLEOTIDES**; for which application for Letters Patent of the United States has been filed on September 27, 2007, under Serial No. 11/862,272; and

WHEREAS, Case Western Reserve University, a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we the said Timothy W. Nilson, Patricia A. Malroney and Sangpen Chamnongpol do hereby assign, sell and set over unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 11/862,272, for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby 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, to issue such patents to the said Case Western Reserve University, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

Signed at  
County of \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20 .

  
Timothy W. Nilsen

STATE OF Ohio )  
COUNTY OF Cuyahoga )

On this 11<sup>th</sup> day of December 2007  
Personally appeared before me Timothy W. Nilsen to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

  
Notary Public

**WANDA L. ROLLINS**  
Notary Public, State of Ohio  
My commission expires April 5, 2009  
Recorded in Cuyahoga County

Signed at  
County of \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Patricia A. Maroney  
Patricia A. Maroney

STATE OF Ohio )  
  )  
COUNTY OF Cuyahoga )

On this 11th day of December, 2007  
Personally appeared before me Patricia A. Maroney to me known to be the person named in and who executed the above instrument, and acknowledged to me that she executed the same for the uses and the purposes therein mentioned.

Wanda J. Rollins  
**WANDA J. ROLLINS**  
**Notary Public, State of Ohio**  
**My commission expires April 5, 2009**  
**Recorded in Cuyahoga County**

Signed at  
County of \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Sangpen Chamnongpol

STATE OF \_\_\_\_\_ )  
  )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_  
Personally appeared before me Sangpen Chamnongpol to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

\_\_\_\_\_  
Notary Public

Signed at  
County of \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

STATE OF \_\_\_\_\_ )  
  )     Patricia A. Maroney  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Personally appeared before me Patricia A. Maroney to me known to be the person named in and  
who executed the above instrument, and acknowledged to me that she executed the same for the  
uses and the purposes therein mentioned.

\_\_\_\_\_  
Notary Public

Signed at  
County of *Cuyahoga* and State of *Ohio*  
This *12* day of *December*, 20*07*

STATE OF *Ohio* )  
  )     *Sangpen Chamnongpol*  
COUNTY OF *Cuyahoga* )  
  )     Sangpen Chamnongpol

On this *12* day of *December*, 20*07*  
Personally appeared before me Sangpen Chamnongpol to me known to be the person named in  
and who executed the above instrument, and acknowledged to me that he executed the same for  
the uses and the purposes therein mentioned.

\_\_\_\_\_  
Notary Public



Susan D. Lodge  
Resident Summit County  
Notary Public, State of Ohio  
My Commission Expires: 08/10/11