

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
The Public Health Research Institute of the City of New York, Inc.		12/14/2006
RECEIVING PARTY DATA		
Name:	PHRI Properties, Inc.	
Street Address:	65 Bergen Street	
City:	Newark	
State/Country:	NEW JERSEY	
Postal Code:	07107-3001	
PROPERTY NUMBERS Total: 3		
Property Type	Number	
Application Number:	08152006	
Application Number:	10110907	
Application Number:	10426556	
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	212-765-5070	
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ATTORNEY DOCKET NUMBER:	07763-021001	
NAME OF SUBMITTER:	Richard P. Ferrara	
<p>Total Attachments: 6</p> <p>source=07763021001ASN#page1.tif</p>		

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**PATENT**  
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## ASSIGNMENT

This Assignment is entered into as of the latest date entered below by and between **The Public Health Research Institute of the City of New York, Inc.**, a not-for-profit corporation of the State of New York having a place of business at 225 Warren St., Newark, NJ 07103 ("ASSIGNOR") and **PHRI Properties, Inc.**, a nonprofit corporation of the State of New Jersey, having a place of business at 65 Bergen Street, Newark, New Jersey, 07107-3001, U.S.A. ("ASSIGNEE").

In consideration of one-hundred dollars (US\$100) and other good and valuable consideration, receipt of which is hereby acknowledged ASSIGNOR does hereby sell, assign, transfer and convey unto ASSIGNEE, and ASSIGNEE does hereby accept, all of ASSIGNOR's rights, title, interests, benefits, and privileges in and to the patents and the patent applications identified in Attachment A hereto, and the inventions disclosed therein, and any divisional, continuing, international (PCT), national-phase and other patent applications anywhere in the world based in whole or part on said patents and patent applications, and any and all patents issued or issuing thereon or therefrom (including, without limitation, all extensions, renewals, reissues, reexaminations and the like thereof and such other forms of protection of industrial property as may be provided by any country), this Assignment including the right to receive assignment from the inventors under their agreements with ASSIGNOR and the right to claim priority based on the filing date of any one or more of said patent applications and available or created under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Convention, and all other laws and treaties of like purpose, and including ASSIGNOR's full right to sue for and recover all damages recoverable from past infringements of said patents and patent applications the above transferred rights, title and interests to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

AND THE ASSIGNOR authorizes and requests all appropriate and competent officials in all countries, whose duty it is to issue or grant patents on applications as aforesaid, to issue or grant all patents for said inventions to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this assignment;

AND THE ASSIGNOR HEREBY represents and covenants that it has the full right to convey the rights, title and interests herein assigned and that it has not executed, and will not execute, any agreement in conflict herewith;

AND THE ASSIGNOR HEREBY further covenants and agrees that, at the request and expense of the ASSIGNEE, its successors, legal representatives and assigns, it will, to the extent it is reasonably able to do so, (1) communicate any and all facts known to it in respect of said inventions, patents and patent applications listed on Attachment A hereto; and (2) generally do any and every lawful act deemed necessary to aid and cooperate with the Assignee, its successors, legal representatives and assigns in perfecting and maintaining the entire interest conveyed herein and in obtaining and enforcing said patents and patent applications listed on Attachment A hereto in any country;

AND THE ASSIGNOR HEREBY covenants and agrees that the rights and obligations set forth in this assignment shall be binding upon, and inure to the benefit of, their heirs, legal representatives, successors and assigns;

AND THE ASSIGNOR HEREBY grants ASSIGNEE, its successors, legal representatives and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent governmental authority, including, without limitation, the United States Patent and Trademark Office.

This Assignment shall be governed by and construed in accordance with the laws of the State of New Jersey applicable in the case of agreements made and to be performed entirely within such State (excluding the choice of law rules thereof).


AND THE PARTIES HEREBY agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

*[Signatures Follow on Next Page]*

IN WITNESS WHEREOF, the parties have executed this document in accordance with their respective constitutions as of the 14th day of December, 2006.

ASSIGNOR:

**THE PUBLIC HEALTH RESEARCH  
INSTITUTE OF THE CITY OF NEW YORK**


By:   
Name: David S. Perlin, Ph.D.  
Title: President

WITNESS:

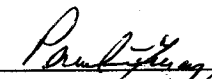
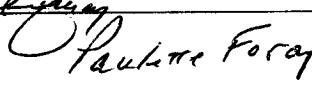
By:   
Name:

ASSIGNEE:

**PHRI PROPERTIES, INC.**

By:   
Name: Denise Mulkern  
Title: President

WITNESS:

By:   
Name: 

STATE OF New Jersey )  
COUNTY OF Essex ) SS.

On December 14, 2006, before me, the undersigned, a notary public for the State of N.J., there personally appeared David S. Perlin, Ph.D. personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Carmen Aiello  
Notary Public

STATE OF New Jersey )  
COUNTY OF Essex ) SS.

On December 14, 2006, before me, the undersigned, a notary public for the State of N.J., there personally appeared Denise Mulkern personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which he/she acted, executed this Assignment.

WITNESS my hand and official seal.

Carmen Aiello  
Notary Public

**CARMEN AIELLO**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 2/2/2010**

## Attachment A Molecular Beacons Patents and Applications

### HYBRIDIZATION PROBES FOR NUCLEIC ACID DETECTION, UNIVERSAL STEMS METHODS AND KITS

Jurisdiction*	Filing Date**	Application Number	Issued Date	Patent Number
US	11/12/1993	08/152,006		
AU	11/14/1994	12921/95	9/9/1998	697841
CA	11/14/1994	2176348	11/2/2004	2176348
EP	11/14/1994	95904104.7		
JP	11/14/1994	7-514079		
PCT	11/14/1994	PCT/US94/13415		

### DETECTABLY LABELED DUAL CONFORMATION OLIGONUCLEOTIDE PROBES, ASSAYS AND KITS

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	5/12/1995	08/439,819	7/20/1999	5,925,517
US	3/15/1999	09/268,402	8/15/2000	6,103,476
AU	5/13/1996	52324/96	2/25/1999	702598
CA	5/10/1996	2176266		
EP	5/10/1996	96303544.9		
JP	5/13/1996	8-118110	9/8/2006	3850914

### NUCLEIC ACID DETECTION PROBES HAVING NON-FRET FLUORESCENCE QUENCHING AND KITS AND ASSAYS INCLUDING SUCH PROBES

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	4/12/1996	60/015,409		
US	12/12/1997	08/990,176	11/21/2000	6,150,097
AU	4/14/1997	29224/97	10/21/1999	713667
CA	4/14/1997	2252048		
EP	4/14/1997	97923412.7		
JP	4/14/1997	H09-537293		
PCT	4/12/1997	PCT/US97/06532		
PCT	4/14/1997	PCT/US97/06208		

### NON-COMPETITIVE CO-AMPLIFICATION METHODS

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	10/20/2000	09/508,343	10/8/2002	6,461,817
AU	9/11/1998	94846/98	5/2/2002	743011
CA	9/11/1998	2303414		
EP	9/11/1998	98948229.4		
JP	9/11/1998	2000-510898		
PCT	9/11/1998	PCT/US98/19182		

\* Jurisdictions where applications have been filed, as abbreviated in this table, are: United States of America (US), Australia (AU), Canada (CA), China (CN), European Patent Office (EP), Japan (JP) and International (PCT).

\*\* Filing dates and issue dates in this table are "month/day/year".

**WAVELENGTH-SHIFTING PROBES AND PRIMERS**

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	7/28/1998	09/123,764	3/14/2000	6,037,130
AU	7/28/1999	52402/99	10/23/2003	763106
CA	7/28/1999	2336489		
EP	7/28/1999	99937602.3		
JP	7/28/1999	2000-562560	9/8/2006	3851088
PCT	7/28/1999	PCT/US99/17145		

**ASSAYS FOR SHORT SEQUENCE VARIANTS**

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	10/22/1999	60/161,096		
US	7/24/2002	10/110,907		
AU	10/13/2000	80240/00	6/23/2005	781945
CA	10/13/2000	2387306		
EP	10/13/2000	00970925.4	8/16/2006	1230387
JP	10/13/2000	2001-533197		
PCT	10/13/2000	PCT/US00/28515		

**HOMOGENEOUS MULTIPLEX SCREENING ASSAYS AND KITS**

Jurisdiction	Filing Date	Application Number	Issue Date	Patent Number
US	4/30/2003	10/426,556		
AU	4/29/2004	2004236725		
CA	4/29/2004	2,524,080		
CN	4/29/2004	200480018729.6		
EP	4/29/2004	04751175.3		
JP	4/29/2004	2006-514227		
PCT	4/29/2004	PCT/US2004/013652		

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