

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<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>Lindsay W. Black</td> <td>10/04/2007</td> </tr> <tr> <td>Zhaojun Ren</td> <td>10/30/2007</td> </tr> </tbody> </table>		Name	Execution Date	Lindsay W. Black	10/04/2007	Zhaojun Ren	10/30/2007
Name	Execution Date						
Lindsay W. Black	10/04/2007						
Zhaojun Ren	10/30/2007						
RECEIVING PARTY DATA							
Name:	University of Maryland, Baltimore, a constituent institution of the University System of Maryland, an agency of the State of Maryland						
Street Address:	520 West Lombard Street						
City:	Baltimore						
State/Country:	MARYLAND						
Postal Code:	21201						
PROPERTY NUMBERS Total: 2							
<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>11166457</td> </tr> <tr> <td>Patent Number:</td> <td>7041441</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11166457	Patent Number:	7041441
Property Type	Number						
Application Number:	11166457						
Patent Number:	7041441						
CORRESPONDENCE DATA							
Fax Number:	(678)420-9301						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	678/4209300						
Email:	jtyson@needlerosenberg.com						
Correspondent Name:	Jo Anne Tyson						
Address Line 1:	999 Peachtree Street, Suite 1000						
Address Line 4:	Atlanta, GEORGIA 30309						
ATTORNEY DOCKET NUMBER:	14014.0327US						
NAME OF SUBMITTER:	Jo Anne Tyson						

Total Attachments: 6
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ASSIGNMENT

WHEREAS, we, Lindsay W. Black and Zhaojun Ren, of 208 Club Road, Baltimore, MD 21210 and 6320 Wimbledon Ct., Elkridge, MD 21075-5900 USA, respectively, together with co-inventors, Alasdair C. Steven and Paul T. Wingfield, have invented new and useful improvements in PHAGE DISPLAY OF INTACT DOMAINS AT HIGH COPY NUMBER for which applications for United States Letters Patent was filed on April 11, 1997, and assigned Application No. 08/837,301, now U.S. Patent 7,041,441, issued May 9, 2006, and Application No. 11/166,457, filed June 24, 2005; and

WHEREAS, the University of Maryland, Baltimore, a constituent institution of the University System of Maryland, an agency of the State of Maryland, having an address at 520 West Lombard Street, Baltimore, MD 21201-1627, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Lindsay W. Black and Zhaojun Ren, hereby do sell, assign and transfer unto said University of Maryland, our entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for University of Maryland's legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid University of Maryland, Baltimore, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, I have executed this Assignment this 4 day
of October, 2007.

Lindsay W. Black (L.S.)
LINDSAY W. BLACK

STATE OF Maryland)
COUNTY OF Harford) ss.

This 4 day of October, 2007, before me personally came LINDSAY W. BALCK, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under his/her own free will for the purposes set forth therein.

Karl S. Hoopes
Notary Public for
My commission expires:

[SEAL]

KARL S. HOOPES
NOTARY PUBLIC
HARFORD COUNTY
MARYLAND
My Commission Expires Mar. 1, 2009

IN TESTIMONY WHEREOF, THE INVENTORS have signed their names on the date indicated.

Dated: _____

ZHAOJUN REN

STATE OF _____)

) ss.

COUNTY OF _____)

This ___ day of _____, 20___, before me personally came ZHAOJUN REN, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under his/her own free will for the purposes set forth therein.

Notary Public for
My commission expires:

[SEAL]

ASSIGNMENT

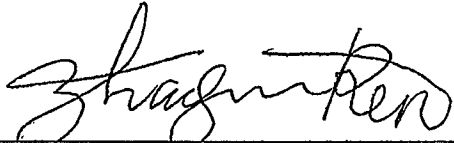
WHEREAS, we, Lindsay W. Black and Zhaojun Ren, of 208 Club Road, Baltimore, MD 21210 and 6320 Wimbledon Ct., Elkridge, MD 21075-5900 USA, respectively, together with co-inventors, Alasdair C. Steven and Paul T. Wingfield, have invented new and useful improvements in PHAGE DISPLAY OF INTACT DOMAINS AT HIGH COPY NUMBER for which applications for United States Letters Patent was filed on April 11, 1997, and assigned Application No. 08/837,301, now U.S. Patent 7,041,441, issued May 9, 2006, and Application No. 11/166,457, filed June 24, 2005; and

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Lindsay W. Black and Zhaojun Ren, hereby do sell, assign and transfer unto said University of Maryland, our entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for University of Maryland's legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

IN TESTIMONY WHEREOF, THE INVENTORS have signed their names on the date indicated.

Dated: 10-30/07

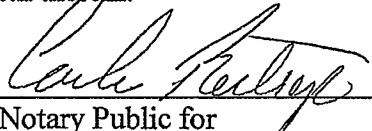


ZHAOJUN REN

STATE OF New Jersey)
) ss.
COUNTY OF Middlesex)

This 30 day of October, 2007, before me personally came ZHAOJUN REN, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under his/her own free will for the purposes set forth therein.

CARLOS RESTREPO
NOTARY PUBLIC
STATE OF NEW JERSEY
MY COMMISSION EXPIRES JUNE 12, 2012



Notary Public for
My commission expires:

[SEAL]