

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bertram Jacobs</td> <td>12/16/2011</td> </tr> <tr> <td>Karen Kibler</td> <td>12/16/2011</td> </tr> </tbody> </table>		Name	Execution Date	Bertram Jacobs	12/16/2011	Karen Kibler	12/16/2011		
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Bertram Jacobs	12/16/2011								
Karen Kibler	12/16/2011								
RECEIVING PARTY DATA									
Name:	Arizona Board of Regents								
Street Address:	2020 N. Central Avenue								
Internal Address:	Suite 230								
City:	Phoenix								
State/Country:	ARIZONA								
Postal Code:	85004-4593								
PROPERTY NUMBERS Total: 3									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61174024</td> </tr> <tr> <td>PCT Number:</td> <td>US2010032966</td> </tr> <tr> <td>Application Number:</td> <td>13266282</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61174024	PCT Number:	US2010032966	Application Number:	13266282
Property Type	Number								
Application Number:	61174024								
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CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	pat@pathalloran.com								
Correspondent Name:	Patrick J. Halloran								
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Address Line 4:	Center Valley, PENNSYLVANIA 18034								
ATTORNEY DOCKET NUMBER:	IPPOX								
NAME OF SUBMITTER:	Patrick J. Halloran								
Total Attachments: 2 source=IPPOX-1-Assignment -JacobsKibler-l#page1.tif source=IPPOX-1-Assignment -JacobsKibler-l#page2.tif									

OP \$120.00 61174024

ASSIGNMENT

Case No.: IPPOX-1-PCT

Inventors: Bertram Jacobs and Karen Kibler

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

Arizona Board of Regents, a body corporate of the State of Arizona Acting for and on behalf of Arizona State University.

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for a Patent, entitled:

MODIFIED IMMUNIZATION VECTORS

and identified as:

Int. Appln. PCT/US2010/032966 filed April 29, 2010, and

U.S. Prov. Appln. No. 61/174,024 filed April 30, 2009

and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the respective patent offices issue any and all patents to the above-described assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the date of execution of the application when officially known.

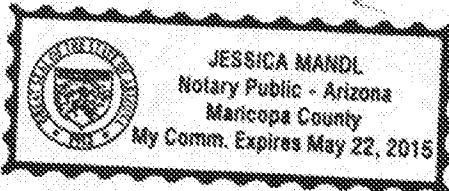
The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Patent that may be granted upon said application and any and all applications and other documents for Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this th 16 day of December, 2011

[Handwritten signature]

State of Arizona
County of Maricopa



[Handwritten signature]
Bertram Jacobs

The foregoing instrument was acknowledged before me this th 16 day of

December, 2011 by

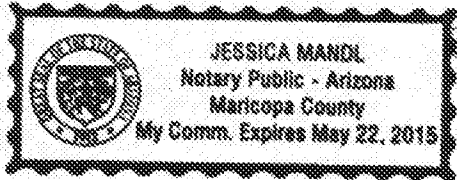
[Handwritten signature]
NOTARY PUBLIC

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State of Arizona
County of Maricopa



[Handwritten signature]
Karen Kibler

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