

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>Walter Bottje</td> <td>09/07/2011</td> </tr> <tr> <td>Billy Hargis</td> <td>08/12/2011</td> </tr> <tr> <td>Sherryll Layton</td> <td>08/30/2011</td> </tr> </tbody> </table>		Name	Execution Date	Walter Bottje	09/07/2011	Billy Hargis	08/12/2011	Sherryll Layton	08/30/2011
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Walter Bottje	09/07/2011								
Billy Hargis	08/12/2011								
Sherryll Layton	08/30/2011								
RECEIVING PARTY DATA									
Name:	The Board of Trustees of the University of Arkansas								
Street Address:	2404 North University								
City:	Little Rock								
State/Country:	ARKANSAS								
Postal Code:	72207								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2011022062</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2011022062				
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PCT Number:	US2011022062								
CORRESPONDENCE DATA									
Fax Number:	4142715770								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Tambryn K. VanHeyningen								
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Address Line 2:	Suite 1100								
Address Line 4:	Milwaukee, WISCONSIN 53704								
ATTORNEY DOCKET NUMBER:	5658-00144								
NAME OF SUBMITTER:	Tambryn K. VanHeyningen								
<p>Total Attachments: 3 source=2011-09-07_5658-00099_Executed_Bottje_Hargis_Layton_Assignment#page1.tif source=2011-09-07_5658-00099_Executed_Bottje_Hargis_Layton_Assignment#page2.tif source=2011-09-07_5658-00099_Executed_Bottje_Hargis_Layton_Assignment#page3.tif</p>									

CH \$40.00 US2011022062

A S S I G N M E N T

Pursuant to our obligation to THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS (herein referred to as "Assignee"), having its principal place of business at:

2404 North University Avenue
Little Rock, AR 72207

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Walter Bottje
3841 East Skillern Road
Fayetteville, AR 72703

Billy Hargis
3229 Oakland Zion Road
Fayetteville, AR 72703

Sherryll Layton
6111 Bainbridge Drive
Rogers, AR 72758

confirm our obligation to and effective as of January 21, 2011 hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest –

(1) in and to an invention entitled "VACCINE VECTORS AND METHODS OF ENHANCING IMMUNE RESPONSES" (Atty. File No. 5658-00099) for which International Patent Application No. PCT/US11/22062 (hereinafter the "PCT application") was filed January 21, 2011, which application claims the benefit of the United States Provisional Patent Application No. 61/297,098, filed January 21, 2010 (hereinafter the "U.S. provisional patent application");

(2) in and to the PCT application and the U.S. provisional patent application, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention or claiming the benefit of the PCT application, or the U.S. provisional patent application, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including foreign applications entering the national phase of the PCT application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) in and to all applications filed under International Conventions on the invention or claiming priority to the PCT application and the U.S. provisional patent application.

We agree that any patent applications with a claim to priority based on the PCT application or the U.S. provisional patent application filed in any foreign countries may be filed in the name of Assignee.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed to be necessary, by Assignee, its successors or assigns, to complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

9-7-11
Date

Walter Bottje
Walter Bottje, Inventor

State of ARKANSAS)
County of WASHINGTON)

I hereby certify that WALTER BOTTJE, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledge that said instrument was signed and delivered as the free and voluntary act of WALTER BOTTJE, for the uses and purposes therein set forth.

Given under my hand and seal, this 7th day of SEP, 2011

Susie J. Engle
Notary Public

Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038

8-12-11
Date

Billy Hargis
Billy Hargis, Inventor

State of Arkansas)
County of Washington)

I hereby certify that Billy Hargis, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledge that said instrument was signed and delivered as the free and voluntary act of Billy Hargis, for the uses and purposes therein set forth.

Given under my hand and seal, this 12th day of August, 2011



Sarah O'Brien
, Notary Public

8/30/11
Date

Sherryl Layton
Sherryl Layton, Inventor

State of Arkansas)
County of Washington)

I hereby certify that Sherryl Layton, personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledge that said instrument was signed and delivered as the free and voluntary act of Sherryl Layton, for the uses and purposes therein set forth.

Given under my hand and seal, this 30th day of August, 2011



Sarah O'Brien
, Notary Public