PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

DATA (303)268-0 pe sent via US M 303-268-0 prader@s Swanson 8210 Sout	2796410 0065 fail when the fax attempt is unsuccessfu			
1 DATA (303)268- <i>be sent via US M</i> 303-268-0 prader@s Swanson 8210 Sout	2796410 0065 <i>fail when the fax attempt is unsuccessfu</i> 0066 biplaw.com & Bratschun, L.L.C. thpark Terrace			
1 DATA (303)268- <i>be sent via US M</i> 303-268-0 prader@s Swanson 8210 Sout	2796410 0065 <i>fail when the fax attempt is unsuccessfu</i> 0066 biplaw.com & Bratschun, L.L.C. thpark Terrace			
1 DATA (303)268-0 be sent via US M 303-268-0 prader@s Swanson	2796410 0065 <i>fail when the fax attempt is unsuccessfu</i> 0066 biplaw.com & Bratschun, L.L.C.			
DATA (303)268- De sent via US M 303-268-0	2796410 0065 <i>fail when the fax attempt is unsuccessfu</i> 0066			
DATA (303)268- De sent via US M	2796410 0065 fail when the fax attempt is unsuccessfu			
DATA (303)268-	2796410			
DATA	2796410			
1				
		<u> </u>		
'pe	Numbe			
	Number			
S Total: 1				
20032-1000				
Ofc. of Technology Transfer, National Institutes of Health				
The United States of America, as represented by the Secretary, Dept. of Health & Human Services				
ATA				
Milan Blake 05/16/2006				
Chandrakant P. Giri				
Siba Bhattacharyya				
Manuel Osorio				
Dennis J. Kopecko				
DATA	Nama			
NATURE OF CONVEYANCE: ASSIGNMENT				
	DATA	DATA Name Name ATA The United States of America, as represented by the S Human Services Ofc. of Technology Transfer, National Institutes of Hea 6011 Executive Boulevard, Suite 325 - MSC 7660 Bethesda MARYLAND 20892-7660 S Total: 1	ANCE: ASSIGNMENT DATA Name Execution Date 05/01/2006 05/12/2006 05/10/2006 05/10/2006 05/09/2006 05/16/2006 ATA The United States of America, as represented by the Secretary, Dept. of Health & Human Services Ofc. of Technology Transfer, National Institutes of Health 0611 Executive Boulevard, Suite 325 - MSC 7660 Bethesda MARYLAND 20892-7660	

NAME	OF	SUBMI	TTER:
------	----	-------	-------

Marina I. Heusch

Total Attachments: 6

source=assignment_parent#page1.tif source=assignment_parent#page2.tif source=assignment_parent#page3.tif source=assignment_parent#page4.tif source=assignment_parent#page5.tif source=assignment_parent#page6.tif

NIH284.001C1

PATENT

ASSIGNMENT

WHEREAS, we, Dennis J. Kopecko, a United States citizen, residing at 16325 Whitehaven Road, Silver Spring, MD 20906; Manuel Osorio, a United States citizen, residing at 5366 Pooks Hill Road, Bethesda, MD 20814; Siba Bhattacharyya, a United States citizen, residing at 9703 Parkwood Drive, Bethesda, MD 20814; Chandrakant P. Giri, a United States citizen, residing at 14101 Chadwick Lane, Rockville, MD 20853; and Milan Blake, a United States citizen, residing at 8521 Beaufort Drive, Fulton, MD 20759, employees of the Department of Health and Human Services, have invented DNA PROMOTERS AND ANTHRAX VACCINES, for which we have made application for Letters Patent of the United States Serial No. 11/378,003, filed March 17, 2006, which claims the benefit of priority of International Application No. PCT/US2004/030616 filed September 20, 2004, which claims the benefit of priority of U.S. Provisional Application No. 60/504,504 filed September 18, 2003, and U.S. Provisional Application No. 60/504,505 filed September 18, 2003.

WHEREAS, we are the applicants named in the above-identified application for Letters Patent;

WHEREAS, the conditions under which said invention was made are such at to entitle the Government under Paragraph 1(a) of Executive Order 10096 to an entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring all domestic and foreign right, title and interest in the above-mentioned invention described in the application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America, as represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

PATENT REEL: 024724 FRAME: 0654

-1-

IN WITNESS WHEREOF, I hereunto set my hand and seal this $-\frac{1}{\sqrt{1+y}}$ day of $\frac{\sqrt{1+y}}{\sqrt{1+y}}$, 20%

mile Dennis J. Kopecko

STATE OF Haryland ss. COUNTY OF Hontgomery

On this $\underline{q^{+}}$ day of $\underline{H_{A,y}}$, 20_{06} , before me, a Notary Public in and for the State and County aforesaid, personally appeared Dennis J. Kopecko, personally known to me or proven on the basis of satisfactory evidence to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Notary Public in and for the aforesaid County and State

My Commission Expires:____ 1/22/07

PATENT REEL: 024724 FRAME: 0655

Client Code NIH284.001C1 11/378,003 Serial No. March 17, 2006 Filing Date :

IN WITNESS WHEREOF, I hereunto set my hand and seal this $\frac{12}{2}$ day of rai 2006

Manuel Osorio

STATE OF Maryland ss. COUNTY OF Montegonery

On this 2th day of May , 2004 before me, a Notary Public in and for the State and County aforesaid, personally appeared Manuel Osorio, personally known to me or proven on the basis of satisfactory evidence to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



and for the aforesaid County and State Notary Public in

109

81 C My Commission Expires:

PATENT REEL: 024724 FRAME: 0656

-3-

IN WITNESS WHEREOF, I hereunto set my hand and seal this 10 fk day of May, 2006.

Hackory 7 G Siba Bhattacharyya

STATE OF Haryland COUNTY OF Somery

On this <u>10</u> day of <u>May</u>, 2006, before me, a Notary Public in and for the State and County aforesaid, personally appeared Siba Bhattacharyya, personally known to me or proven on the basis of satisfactory evidence to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Notary Public in and for the aforesaid County and State

My Commission Expires: //22/07

PATENT REEL: 024724 FRAME: 0657

IN WITNESS WHEREOF, I hereunto set my hand and seal this $-\frac{q^{4}}{1}$ day of __, 20<u>06</u>

ý)

Chandrakant P. Giri

STATE OF Maryland SS. COUNTY OF Montgomery

On this $\underline{q^{th}}$ day of $\underline{\mu_{a,y}}$, $20\underline{o}\underline{\rho}$, before me, a Notary Public in and for the State and County aforesaid, personally appeared Chandrakant P. Giri, personally known to me or proven on the basis of satisfactory evidence to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Notary Public in and for the aforesaid County and State

My Commission Expires: $\frac{1}{22}/27$

PATENT REEL: 024724 FRAME: 0658

-5-

J SS.

IN WITNESS WHEREOF, I hereunto set my hand and seal this $\frac{16}{M_{ag}}$ day of $\frac{M_{ag}}{M_{ag}}$, 2006.

Klala

1.1

Milan Blake

STATE OF

On this 16 day of 2026, before me, a Notary Public in and for the State and County aforesaid, personally appeared Milan Blake, personally known to me or proven on the basis of satisfactory evidence to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Notary Public in and for the aforesaid County and State

My Commission Expires: March 15, 2008

NIHASS

2552126:vb 042506

MARLOWE BUSBY - NOTARY PUBLIC State of County of Maryland Prince George's My Commission Expires Mar. 15, 2008

RECORDED: 07/22/2010

. -6-