

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Victor V. Lobanenkov</td> <td>07/18/2007</td> </tr> <tr> <td>Dmitri Loukinov</td> <td>07/20/2007</td> </tr> <tr> <td>Ziedulla Abdullaev</td> <td>07/02/2007</td> </tr> <tr> <td>Svetlana Pack</td> <td>07/02/2007</td> </tr> </tbody> </table>		Name	Execution Date	Victor V. Lobanenkov	07/18/2007	Dmitri Loukinov	07/20/2007	Ziedulla Abdullaev	07/02/2007	Svetlana Pack	07/02/2007
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Government of the United States of America, represented by the Secretary, Department of Health and Human Services										
<b>Street Address:</b>	Office of Technology Transfer										
<b>Internal Address:</b>	6011 Executive Boulevard, Suite 325										
<b>City:</b>	Rockville										
<b>State/Country:</b>	MARYLAND										
<b>Postal Code:</b>	20852										
<b>PROPERTY NUMBERS Total: 1</b>											
<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>11575732</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11575732						
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<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(312)616-5700										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(312) 616-5600										
<b>Email:</b>	assignments@leydig.com										
<b>Correspondent Name:</b>	Leydig, Voit & Mayer, Ltd.										
<b>Address Line 1:</b>	Two Prudential Plaza, Suite 4900										
<b>Address Line 2:</b>	180 North Stetson Avenue										
<b>Address Line 4:</b>	Chicago, ILLINOIS 60601-6731										
<b>ATTORNEY DOCKET NUMBER:</b>	701191										

**CH \$40.00 11575732**

NAME OF SUBMITTER:

Melissa E. Kolom

Total Attachments: 5

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Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza, Suite 4900  
180 N. Stetson Avenue  
Chicago, Illinois 60601-6780

**ASSIGNMENT**

**WHEREAS, WE**, Victor V. Lobanenkov, of 561 Longhorn Crescent, Rockville, Maryland, Dmitri Loukinov, of 19120 Wheatfield Drive, Germantown, Maryland, Ziedulla Abdullaev, of 25351 Damascus Park Terrace, Damascus, Maryland and Svetlana Pack, of 11005 Rutledge Drive, N. Potomac, Maryland, employees of the Department of Health and Human Services, have invented a certain invention entitled:

**METHOD OF DETECTING CANCER BASED ON IMMUNE  
REACTION TO BORIS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on March 21, 2007, under U.S. Application No. 11/575,732, and

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

**WHEREAS**, the Government of the United States of America (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S.

application (or any other application on the invention) to gain priority with respect to other applications.

**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute and deliver such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date: 7/18/2007

*Victor V. Lobanenkov*  
Victor V. Lobanenkov

STATE OF MARYLAND

COUNTY OF Montgomery

On this 18<sup>th</sup> day of July, 2007, before me, a Notary Public in and for said county, appeared Victor V. Lobanenkov, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

*RICARDA PETERSON*  
*R. Peterson*  
Notary Public

{SEAL}

My Commission Expires: \_\_\_\_\_  
**RICARDA PETERSON**  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires April 1, 2011

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Date: 7/20/07

*[Signature]*  
Dmitri Loukinov

STATE OF MARYLAND

COUNTY OF Montgomery

On this 20th day of July, 2007, before me, a Notary Public in and for said county, appeared *[Signature]*, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

DMITRI LOUKINOV  
*[Signature]*  
Notary Public

{SEAL}

My Commission Expires: \_\_\_\_\_  
RICARDA PETERSON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires April 1, 2011

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In re Appln. of 11/575,732  
Attorney Docket No. 701191

Date: 07/02/07

*Ziedulla Abdullaev*  
Ziedulla Abdullaev

STATE OF MARYLAND )  
COUNTY OF Prince Georges )

On this 2nd day of July, 2007, before me, a Notary Public in and for said county, appeared /, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

*Carolyn B. Nicholson*  
Notary Public

{SEAL}

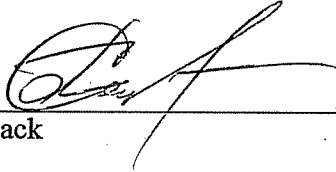
My Commission Expires: 03-01-2010

CAROLYN B. NICHOLSON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires .....

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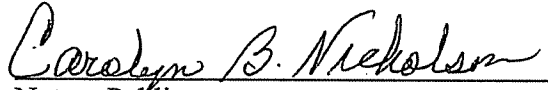
In re Appln. of 11/575,732  
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Date: 07/02/2007

  
Svetlana Pack

STATE OF MARYLAND )  
COUNTY OF Prince Georges )

On this 2nd day of July, 2007, before me, a Notary Public in and for said county, appeared \_\_\_\_\_, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

  
Notary Public

{SEAL}

My Commission Expires: 03-01-2010

CAROLYN B. NICHOLSON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires .....

\_\_\_\_\_  
NIH Assignment\_Appln\_Joint-Notary (Rev. 8/16/2006)