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P08/REV04

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URSZULA KRZYCH
DONALD G. HEPPNER
IGOR BACIK

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

Name: UNITED STATES ARMY

Internal Address: U.S. ARMY MEDICAL RESEARCH
AND MATERIEL COMMAND

Street Address: 504 SCOTT STREET

FORT DETRICK

City: FREDERICK State: MD ZIP: 21702

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 05/08/2008; 05/08/2008; 05/07/2008

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)	Filing Date
12/088,065	09/29/2006

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ELIZABETH ARWINE

Internal Address: U.S. ARMY MEDICAL RESEARCH
AND MATERIEL COMMAND

ATTN: MCMR-JA

Street Address: 504 SCOTT STREET

FORT DETRICK

City: FREDERICK State: MD ZIP 21702

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ELIZABETH ARWINE, Reg. No. 45,867

Elizabeth Arwine

27 May 2008

Name of Person Signing

Signature

4

Date

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PATENT

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ASSIGNMENT OF INVENTION

Title of Invention: PLASMODIUM LIVER STAGE ANTIGENS

Inventors: PATRICK DUFFY; STEFAN H. I. KAPPE; URSZULA KRZYCH; DONALD G. HEPPNER; LAWRENCE W. BERGMAN; VLADISLAV A. MALKOV; ALICE TARUN; JASON W. WENDLER; IGOR BACIK

Dates Oath Executed:

Application Serial Nos.: U.S. 12/088,065 and International Application Number PCT/US2006/037851 filed 09/29/2006

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any reissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed, including but not limited to Australia, Canada, Mexico, Japan and the countries of the European Union.
3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: _____

Date: _____

05/08/08

Typed Name of Inventor: URSZULA KRZYCH

STATE OF _____

Maryland

COUNTY OF _____

Montgomery

On the above date URSZULA KRZYCH known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)



Patricia A. Gacey
NOTARY PUBLIC

My Commission expires on 27-MAY-2008

ASSIGNMENT OF INVENTION

Title of Invention: PLASMODIUM LIVER STAGE ANTIGENS

Inventors: PATRICK DUFFY; STEFAN H. I. KAPPE; URSZULA KRZYCH; DONALD G. HEPPNER;
LAWRENCE W. BERGMAN; VLADISLAV A. MALKOV; ALICE TARUN; JASON W.
WENDLER; IGOR BACIK.

Dates Oath Executed:

Application Serial Nos.: U.S. 12/082,065 and International Application Number PCT/US2006/037851
filed 09/29/2006

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3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Donald G Heppner

Date: 8 MAY 2008 Typed Name of Inventor: DONALD G. HEPPNER

STATE OF Maryland

COUNTY OF Montgomery

On the above date DONALD G. HEPPNER known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Patricia A. Lacey
NOTARY PUBLIC

My Commission expires on 27-MAY-2008



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Title of Invention: PLASMODIUM LIVER STAGE ANTIGENS

Inventors: PATRICK DUFFY; STEFAN H. I. KAPPE; URSZULA KRZYCH; DONALD G. HEPPNER;
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WENDLER; IGOR BACIK

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1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any reissue or extension of said Letters Patent.
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3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: *Igor Bacik*

Date: 5/7/2008 Typed Name of Inventor: IGOR BACIK

STATE OF Maryland

COUNTY OF Montgomery

On the above date IGOR BACIK known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Laurence D. Richards
NOTARY PUBLIC

My Commission expires on _____
LAURENCE D. RICHARDS
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires July 14, 2008