

Form **PTO-1595** (Rev. 03-09)  
OMB No. 0651-0027 (exp. 03/31/2009)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

EDWIN V. OAKS  
KEVIN R. TURBYFILL  
ROBERT W. KAMINSKI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: UNITED STATES ARMY

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

Street Address: 504 SCOTT STREET

FORT DETRICK

City: FREDERICK

State: MARYLAND

Country: U.S.A. Zip 21702-5012

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

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12/22/2006; 12/22/2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

11/727,486 filed 03/27/2007

Additional numbers attached? ☐ Yes ☒ No

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

Name: ELIZABETH ARWINE

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

Street Address: 504 SCOTT STREET

FORT DETRICK

City: FREDERICK

State: MARYLAND Zip: 21702-5012

Phone Number: 301-619-7808

Fax Number: 301-619-5034

Email Address: ELIZABETH.ARWINE@AMEDD.ARMY.MIL

### 6. Total number of applications and patents involved: 1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

Deposit Account Number 21-0380

Authorized User Name ELIZABETH ARWINE

### 9. Signature:

Elizabeth Arwine

Signature

1 June 2010

Date

ELIZABETH ARWINE, REG. NO. 45,867

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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PATENT  
REEL: 024464 FRAME: 0136

CH \$40.00 210380 11727486

ASSIGNMENT OF INVENTION

Title of Invention: ARTIFICIAL INVAPLEX

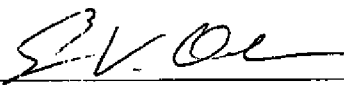
Inventors: EDWIN V. OAKS, KEVIN R. TURBYFILL, ROBERT W. KAMINSKI

Dates Oath Executed: 04/27/2007

Application Serial Nos.: U.S. Patent Application Number 11/727,486 and International Patent Application Number PCT/US2007/007482 filed 03/27/2007

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: 27 April 2007 Typed Name of Inventor: EDWIN V. OAKSSTATE OF MarylandCOUNTY OF Montgomery

On the above date EDWIN V. OAKS 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)

  
NOTARY PUBLIC

My Commission expires on 27 MAY 2008

ASSIGNMENT OF INVENTION

Title of Invention: ARTIFICIAL INVAPLEX

Inventors: EDWIN V. OAKS KEVIN R. TURBYFILL; ROBERT W. KAMINSKI

Dates Oath Executed: 04/27/2007

Application Serial Nos.: U.S. Patent Application Number 11/727,486 and International Patent Application Number PCT/US2007/007482 filed 03/27/2007

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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: Kevin R. TurbyfillDate: 27 April 2007

Typed Name of Inventor: KEVIN R. TURBYFILL

STATE OF MarylandCOUNTY OF Montgomery

On the above date KEVIN R. TURBYFILL 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)

Patticia A. Lacey  
NOTARY PUBLICMy Commission expires on 27 MAY 2008

ASSIGNMENT OF INVENTION

Title of Invention: ARTIFICIAL INVAPLEX

Inventors: EDWIN V. OAKS; KEVIN R. TURBYFILL; ROBERT W. KAMINSKI

Dates Oath Executed: 04/27/2007

Application Serial Nos.: U.S. Patent Application Number 11/727,486 and International Patent Application Number PCT/US2007/007482 filed 03/27/2007

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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: Robert W. KaminskiDate: 4/27/07 Typed Name of Inventor: ROBERT W. KAMINSKISTATE OF MarylandCOUNTY OF Montgomery

On the above date ROBERT W. KAMINSKI 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