

Docket No.: 204372000600

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
POB/REV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
CARL R. ALVING

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

3. Nature of conveyance:

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

Execution Date: **04/16/2003**

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

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)

B. Patent No.(s)

6,110,492

08/29/2000

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**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

21-0380

(Attach duplicate copy of this page if paying by deposit account)

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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

1 May 2003

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **2**

ASSIGNMENT OF INVENTION

Title of Invention: IMMUNOGENIC COMPOSITIONS

Inventors: Carl R. Alving; Jean M. Muderhwa; Lynn E. Spitler

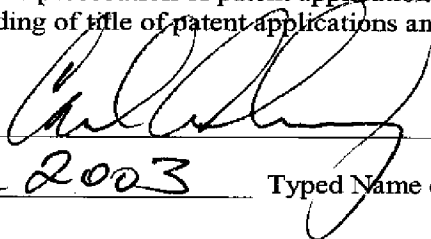
Date Oath Executed: July 13, 1998

Application Serial Nos.: 60/047,964 filed May 28, 1997;
09/086,552 and PCT/US98/10806 filed May 28, 1998

I, 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.
3. Agree to provide any further information within my 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: _____



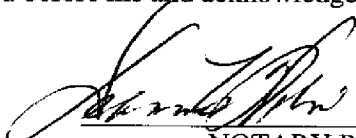
Date: 16 APRIL 2003 Typed Name of Inventor: CARL R. ALVING

STATE OF Maryland

COUNTY OF Harford

On the above date CARL R. ALVING 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

DEANNA M. WILSON
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires December 29, 2004

My Commission expires on _____