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1. Total number of pages including cover sheet, attachments and document: 3

2. Name of Conveying Party(ies) and Execution Date(s) of Document(s) ☐ Check here if additional name(s) attached

Name(s): Natalie J. Morey
 Execution Date(s): January 28, 2004

3. Name and address of receiving party

☐ Check here if additional name(s) & address(es) are attached

Name The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention

Address Technology Transfer Office
 4770 Buford Hwy (K79)

City Atlanta State/Country GA Zip 30341

4. Nature of Conveyance

☒ Assignment ☐ Merger ☐ Security Agreement ☐ Name Change ☐ Other:

5. Total number of applications and patents involved: 1

6. Total fee authorized to be charged to deposit account 02-4550 (37 C.F.R. § 3.41): \$40.00

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8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.

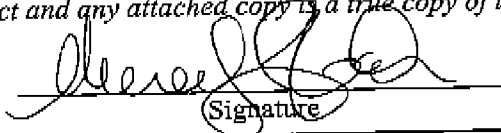
A. ☐ This document is being filed with a new application. Execution date is: _____B. ☒ Patent Application No.(s) or Patent No.(s): PCT/US03/37143☐ Check here if additional numbers are attached

9. Correspondent's name, address, and telephone number

Sheree Lynn Rybak, Ph.D.
 Klarquist Sparkman, LLP
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 Facsimile: 503-228-9446

10. ☐ Please return the attached postcard to confirm that these items have been received.11. 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.*

Sheree Lynn Rybak, Ph.D.
 Name of Person Signing


 Signature

February 3, 2004
 Date

cc: Client
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PATENT
 REEL: 014303 FRAME: 0226

CH \$40.00 024550

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2833 Ewing Dr. NE, Atlanta, Georgia 30319-2918, a citizen of the United States of America, along with Thomas W. Hodge, of 9115 Twestones Dr., Roswell, Georgia 30076, a citizen of the United States of America, Michael W. Shaw, of 2614 Willow Cove, Decatur, Georgia 30033-2200, a citizen of the United States of America, Don Rubin, of 1129 Hardinghill Lane, Nashville, Tennessee 37215, a citizen of the United States of America and Anthony Sanchez, of 1717 Red Fox Run, Lilburn, Georgia 30047, a citizen of the United States of America have invented CELL LINES AND HOST NUCLEIC ACID SEQUENCES RELATED TO INFECTIOUS DISEASE for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/427,464, filed on November 18, 2002;
 U.S. Provisional Patent Application No. 60/482,604, filed on June 25, 2003;
 PCT Application No. PCT/US03/37143 filed on 18 November 2003; and

all of which applications are collectively referred to herein as "the patent applications."

The Government of the United States of America desires to acquire my domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid provisional patent application; and

In exchange for valuable considerations outlined in the Centers for Disease Control Royalty Policy, I the undersigned, have sold, assigned and transferred and do assign and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention (hereinafter THE GOVERNMENT), and his successors, my full and exclusive right, title, and interest in the invention, patent application and patent rights throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file patent applications on the invention described in the aforesaid application, and all Letters Patents and Registrations which may be granted for corresponding non-provisional patent applications on the same in the United States of America and all countries throughout the world, and to claim the priority from the application as provided by United States law and the Paris Convention, or of any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

AND, I authorize and request issuance of said Letters Patent to THE GOVERNMENT as an assignee of my entire right, title, and interest in and to the same throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file, for the sole use for the full term or terms for which said Letters Patent and Registrations may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof which may be granted as fully and entirely as the same would have been held by me, had this assignment not been made;

AND, I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to the aforesaid provisional patent application or corresponding application for Letters Patent which will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of this instrument by me;

AND, I agree to execute any and all applications for Letters Patent in the United States of America and foreign countries, and to furnish and deliver to the Secretary, Department of Health and Human Services, upon request, all data and documents, and to execute any papers which may be necessary for the prosecution of any application or applications of Letters Patent or for THE GOVERNMENT to exercise its rights granted hereunder, including communicating to THE GOVERNMENT, its representatives or agents, any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify in any interference or other proceedings, whenever requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my heirs, legal representatives, administrators and assigns, and I shall 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.

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I authorize THE GOVERNMENT to file and prosecute this patent application, as well as any corresponding applications that claim priority from it. THE GOVERNMENT has the right to select attorneys or agents of its choice to prosecute these applications on its behalf.

I grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignor has signed her name on the date indicated.

Dated: 1-28-2004

Natalie J. Morey
Natalie J. Morey

STATE OF GEORGIA)
COUNTY OF DEKALB) ss.

This 28 day of JAN, 2004, before me personally came the above-named Natalie J. Morey, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

David M. Wofford
Notary Public for CDC
My commission expires: 2-14-06

[SEAL]

