

TMH:dv 11/24/04 330603

Atty. Ref. No. 6395-64845-01

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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): David S. Beall  
 Execution Date(s): November 8, 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: 2

6. Total Fee Enclosed (37 C.F.R. § 3.41): \$80.00

7. ☒ Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550

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/US02/00309 and 10/250.930

☐ Check here if additional numbers are attached

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

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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.*

Tanya M. Harding, Ph.D.  
 Name of Person Signing

Signature

December 7, 2004  
 Date

cc: Client  
 Docketing  
 Accounting (only if via fax)  
 700136778

PATENT  
 REEL: 015434 FRAME: 0220

CH \$80.00 024550 10260930

WDN/TMH:dv 6395-64845-01 1-018-99/1 11/08/04

**ASSIGNMENT**

**WHEREAS**, I, David S Beall, in collaboration with Peter J. King, and with Frederick D. Quinn, Kristin A. Birkness, and Manon Deslauriers, employees of the Centers for Disease Control and Prevention, a component of the United States Department of Health and Human Services, have invented "LATENT HUMAN TUBERCULOSIS MODEL, DIAGNOSTIC ANTIGENS AND METHODS OF USE" for which the following applications have been filed:

- U.S. Provisional Patent Application No. 60/260,348, filed on January 8, 2001;
- U.S. Provisional Patent Application No. 60/311,235 filed on August 9, 2001;
- PCT Application No. PCT/US02/00309 filed on January 2, 2002; and
- U.S. Application No. 10/250,930 filed on July 7, 2003;

**WHEREAS**, I am an inventor named in the above-identified applications for Letters Patent; and

**WHEREAS**, **THE GOVERNMENT** is desirous of acquiring all my domestic and foreign right, title, and interest in the above-mentioned invention described in the application for Letters Patent; and

**NOW, THEREFORE**, I, David S Beall, having no legal obligation to assign my right, title and interest in the invention claimed in the above-identified patent application to any other third party, voluntarily and in consideration of the obligation and promise of **THE GOVERNMENT** to distribute any royalties that might be earned as the result of licensing the invention claimed herein to me in accordance with the policies and procedures for such distribution of royalties by **THE GOVERNMENT**, the receipt of which is hereby acknowledged, I hereby assign and transfer to **THE GOVERNMENT**, my full and exclusive rights in and to said invention in the United States and my entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the United States, and such Letters Patent as may be granted to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventors had this assignment not been made.

I further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to 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**.

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

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IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Dated: 11-08-04David S Beall

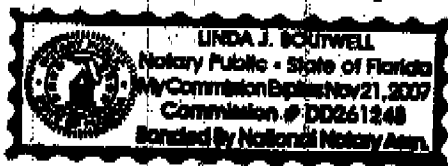
David S Beall

STATE OF FLORIDA

ss.

COUNTY OF DUVAL

This 8<sup>th</sup> day of November, 2004, before me personally came the above-named David S Beall, 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.



Linda J Bantwell  
Notary Public for State of Florida  
My commission expires: 11-21-04