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RECORDA		
To the Director of the U.S. Patent and Trademark Office	e: Please record the attached on small documents or copy thereof.	
Name of conveying party(ies)	Name and address of receiving party(ies)	
1) Antonio Campos-Neto 2) Suely S. Kashino	Name: Forsyth Dental Infirmary for Children  Internal Address:	
Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No		
3. Nature of conveyance:	Street Address: 140 The Fenway	
[X] Assignment [] Merger		
[ ] Security Agreement [ ] Change of Name	City: Boston, State: MA ZIP: 02115	
[ ] Other		
Execution Date: 1) 10/23/06; 2) 10/23/06	Additional name(s) & address(es) attached? [ ] Yes [X] No	
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, to A. Patent Application No.(s)  11/478,366  Additional number of party to whom correspondence concerning document should be mailed:  Name: Antoinette G. Giugliano  Internal Address: Antoinette G. Giugliano, P.C.  Street Address: 390 Salem Street  City: Lynnfield State: MA ZIP: 01940	B. Patent No.(s)    Comparison of this page if paying by deposit account and filing via facsimile.    B. Patent No.(s)	
8. 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.		
Antoinette G. Giugliano	16124/06	
Name of Person Signing Signature Date		
Total number of pages including cover sheet, attachments, and document: [4]		

**PATENT** 

REEL: 018459 FRAME: 0967

**Joint** 

## **ASSIGNMENT**

WHEREAS, we, Antonio Campos-Neto, and Suely S. Kashino, have invented a certain improvement in Tuberculosis Antigen Detection Assays and Vaccines described in an application for Patent,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for 37 CFR §1.53(b) filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X ]	the specification of which is United States Application No. 11/478,366, filed June 29, 2006.
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], which designates the United States of America;
[]	which was patented under United States Patent No. [ ].

WHEREAS, Forsyth Dental Infirmary for Children (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 140 The Fenway, Boston, MA 02115 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America. its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

PATENT REEL: 018459 FRAME: 0968 successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:	hulfers		
	Antonio Campos-Neto		
State/Commonwealth	•		
of massachusetts	<del></del>		
County of SUFFIK	<del></del>		
Then personally appeared before me the above-named Antonio Campos-Neto and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of 6 c-tologo, 20 6.			
	ETTE G. GIUGLIANO Notary Public  Vealth of Massachusetts  Commission Expires (print name)		
My Commission	stember 7, 2012		

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Inventor's Signature:	July & lino
State/Commonwealth of	Shelly S. Kashino
Then personally appeared before me the about that he/she executed the foregoing instrumeday of	ove-named Suely S. Kashino and acknowledged ent as his/her free act and deed this
7 K Comm	Notary Public Notary Public Notary Public Notary Public on wealth of Massachus Print name) y Commission Expires Cu. expires Cu. expires /

**RECORDED: 10/27/2006** 

PATENT REEL: 018459 FRAME: 0970