

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MARK JAMES PAPANIA	09/14/2012
RECEIVING PARTY DATA		
Name:	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14409379
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SIGNATURE:	/Deakin T. Lauer/	
DATE SIGNED:	12/19/2014	
Total Attachments: 2		
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ASSIGNMENT

I, Mark James Papania, of Lilburn, Georgia, a citizen of United States of America, have invented NASAL DRY POWDER DELIVERY SYSTEM FOR VACCINES AND OTHER TREATMENT AGENTS. This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ United States of America rights, title and interest in the invention.
- ☒ Foreign rights, title and interest in the invention.
- ☐ An application to the Commissioner for Patents of the United States of America filed herewith.
- ☐ An application to the Commissioner for Patents of the United States of America has been executed by the undersigned on: _____.
- ☒ United States Provisional Patent Application Serial No. 61/665,778 filed on June 28, 2012.
- ☐ United States Patent Application Serial No. _____; Date of Execution: _____; Date of Filing: _____.
- ☐ United States Patent No(s): _____.
- ☐ International PCT Patent Application Serial No. _____ filed on _____.
- ☐ Other (specify): _____.

I was employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of my obligations under Executive Order 10096, and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, 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 (hereinafter THE GOVERNMENT), and successors and assigns, my full and exclusive right, title, and interest in the patent application and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

I authorize and request the issuance of said Letters Patent to THE GOVERNMENT, as assignee of my entire right, title, and interest to be held as fully and entirely as the same would have been held by me had this assignment not been made.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein

conveyed at the time of the execution of the present assignment.

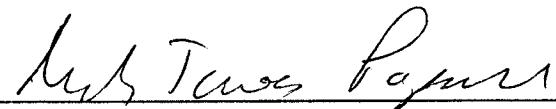
I also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to me respecting the invention, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid THE GOVERNMENT and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon my heirs, legal representatives, administrators and assigns.

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.

I grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that 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.

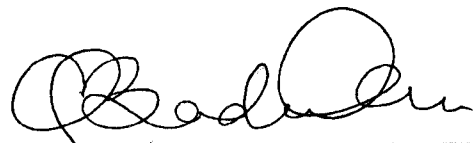
IN TESTIMONY WHEREOF, Assignor has signed their name on the date indicated.

Dated: September 14, 2012


Mark James Papania

STATE OF Georgia)
) ss.
COUNTY OF Gwinnet

This 14th day of Sept., 2012, before me personally came the above-named Mark James Papania, who executed the foregoing Assignment in my presence, and who acknowledged to me that this instrument was executed by Mark James Papania's own free will for the purpose set forth therein.


Notary Public for _____
My commission expires:

[SEAL]

Q. BADWAN
NOTARY PUBLIC, GWINNETT COUNTY, GEORGIA
MY COMMISSION EXPIRES OCTOBER 7, 2015