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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
KATHLEEN M. TATTI			10/28/2011		
KANSAS SPARKS			10/28/2011		
M. LUCIA TONDELLA			10/28/2011		
RECEIVING PARTY DA	ТА				
Name: THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION					
Street Address:	OFFICE	OFFICE OF TECHNOLOGY TRANSFER			
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State/Country:	GEORGIA				
Postal Code:	30341				
PROPERTY NUMBERS	Total: 1				
Property Type		Number			
PCT Number: US20		JS2010032408			
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Total Attachments: 4

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CDC Tech. ID No. I-034-08 Our Ref. CDC-15102/38

ASSIGNMENT

We, Kathleen M. Tatti, of 860 Eagle Crossing Drive, Lawrenceville, GA 30044, a citizen of United States of America; Kansas Sparks of 1992 Miller Road, Lenoir City, TN 37772, a citizen of the United States of America; and Maria Lucia Tondella, of 1703 Little Joe Ct, Decatur, GA 30033, a citizen of the United States of America, have invented SELECTIVE DETECTION OF BORDETELLA SPECIES. 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. filed on _____

United States Patent Application Serial No._____.

Date	of	Execution		Date of Filing:	
			hale (f)		

☐ United States Patent No(s)._____. ☑ International (PCT Patent Application Serial No. PCT/US2010/032408 filed on April 26, 2010.

Other (specify):

We were 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 our obligations under Executive Order 10096, and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we 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, Centers for Disease Control and Prevention (hereinafter THE GOVERNMENT), and successors and assigns, our 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.

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

We 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.

We also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to us 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 our heirs, legal representatives, administrators and assigns.

We 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.

We grant THE GOVERNMENT, 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, Assignors have signed their names on the dates indicated.

Dated: October	28,2011
STATE OF Beorgie	
COUNTY OF Denait) ss.

[SEAL]

- Courtles. R. Jata

Kathleen M. TATTI

This <u>Zest</u> day of <u>Contect</u> 2011, before me personally came the above-named <u>Kathleen M. Tatti</u>, 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.

Notally Public for CDC Federal Cradit Union My commission expires: Decenter 9th 2011

PATENT REEL: 055276 FRAME: 0093

Dated: 10 73 201		Jamas Mpulm
STATE OF Guth Galin	$\underline{\alpha}$	Kansas SPARKS
	he foregoing . r that person'	1, before me personally came the above-named Assignment in my presence, and who acknowledged sown free will for the purposes set forth therein. My commission expires: <u>470 206</u>
Dated:		
STATE OF		Maria Lucia TONDELLA
COUNTY OF) ss.	
Thisday of		before me personally came the above-named Maria signment 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.

Notary Public for _____

[SEAL]

My commission expires: _____

CDC Tech. ID No. I-034-08 Our Ref. CDC-15102/38

Dated:	
STATE OF)	Kansas SPARKS
) si COUNTY OF)	S.
Thisday of <u>Kansas Sparks</u> , who executed the foregoing to me that it was executed under that pe	2011, before me personally came the above-named going Assignment in my presence, and who acknowledged erson's own free will for the purposes set forth therein.
	Notary Public for
[SEAL]	My commission expires:
	 Λ Λ Ι
Dated: October 29,2011	fr-dille
Dated: October 29,2011 STATE OF George)s	Maria Lucia TONDELLA
COUNTY OF Derhalp	
L. Tondella, who executed the foregoin	2011, before me personally came the above-named Maria ng Assignment in my presence, and who acknowledged to on's own free will for the purposes set forth therein.
	\mathcal{O} (

[SEAL]

My commission expires: Decenter 9th 2011

Notary Public for CDC Federal Gredit Union

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