

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>STEPHEN VARKEY</td> <td>02/08/2013</td> </tr> <tr> <td>DANIEL R. DEMARCO</td> <td>02/08/2013</td> </tr> <tr> <td>MARK A. JENSEN</td> <td>02/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	STEPHEN VARKEY	02/08/2013	DANIEL R. DEMARCO	02/08/2013	MARK A. JENSEN	02/08/2013
Name	Execution Date								
STEPHEN VARKEY	02/08/2013								
DANIEL R. DEMARCO	02/08/2013								
MARK A. JENSEN	02/08/2013								
RECEIVING PARTY DATA									
Name:	E. I. DU PONT DE NEMOURS AND COMPANY								
Street Address:	4417 LANCASTER PIKE								
Internal Address:	BARLEY MILL PLAZA 25								
City:	WILMINGTON								
State/Country:	DELAWARE								
Postal Code:	19805								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13360045</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13360045				
Property Type	Number								
Application Number:	13360045								
CORRESPONDENCE DATA									
Fax Number:	3023553982								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	CANDACE L. CALHUM								
Total Attachments: 1 source=20130214_MD6686USNP_Assignment#page1.tif									

CH \$40.00 13360045

ASSIGNMENT

We, the undersigned

Stephen Varkey, Daniel R. DeMarco and Mark A. Jensen

Hereby declare that

We are the true and first inventors of an invention entitled: **SEQUENCES AND THEIR USE FOR DETECTION AND CHARACTERIZATION OF STEC BACTERIA**

which is disclosed in the United States Patent Application No. 13/630,045 filed on September 28, 2012 and which is identified as Case Number MD6686 US NA.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. DU PONT DE NEMOURS AND COMPANY**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

LS (L.S.)
Stephen Varkey

DATE: 2/2/13

Daniel DeMarco (L.S.)
Daniel R. DeMarco

DATE: 2/8/2013

Mark A Jensen (L.S.)
Mark A. Jensen

DATE: 2/8/2013