

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4867369

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SONG SHI	11/08/2012
JAMES NADEAU	11/14/2012
MICHAEL A. BRASCH	11/15/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BECTON DICKINSON AND COMPANY
<b>Street Address:</b>	1 BECTON DRIVE
<b>City:</b>	FRANKLIN LAKES
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07417
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15602934
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	pto@bciplaw.com
<b>Correspondent Name:</b>	BOTOS CHURCHILL IP LAW FIRM LLP
<b>Address Line 1:</b>	430 MOUNTAIN AVE. SUITE 401
<b>Address Line 4:</b>	NEW PROVIDENCE, NEW JERSEY 07974
<b>ATTORNEY DOCKET NUMBER:</b>	BECTON 3.3-158 D
<b>NAME OF SUBMITTER:</b>	LESLEY-ANNE BOYD
<b>SIGNATURE:</b>	/Lesley-Anne Boyd/
<b>DATE SIGNED:</b>	03/15/2018
<b>Total Attachments: 5</b>	
source=Assignments#page1.tif	
source=Assignments#page2.tif	
source=Assignments#page3.tif	
source=Assignments#page4.tif	
source=Assignments#page5.tif	

ASSIGNMENT

Serial No.: 61/579,365

Filed: 12/22/2011

Serial No.:

Filed:

*WHEREAS, Song Shi, residing at 1916 Billy Barton Circle, Reisterstown, Maryland 21136, James Nadeau, residing at 10311 Cromwell Court, Ellicott City, Maryland 21042, and Michael A. Brasch, residing at 20931 Sunnyacres Road, Gaithersburg, Maryland 20882, all citizens of the United States of America, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:*

**METHODS AND APPARATUS FOR RAPID DETECTION OF  
INFECTIOUS MICROORGANISMS**

*for which they have executed a Declaration for an application for Letters Patent of the United States of America; and*

*WHEREAS, BECTON, DICKINSON AND COMPANY, a corporation of New Jersey, (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein.*

*NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, the receipt and sufficiency of which are hereby acknowledged, Assignors have assigned, and transferred, and do hereby assign, and transfer unto said Assignee the entire right, title, and interest in and to all said inventions and discoveries disclosed in said application, whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, provisionals, conversions of provisionals and continuations or continuations-in-part, thereof, and in and to all Letters Patents, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made; and*

*Assignors hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue said Letters Patent in accordance with this Agreement; and*

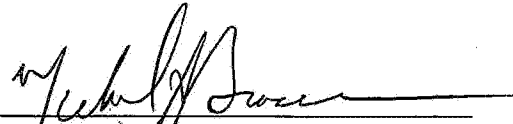
*For the consideration aforesaid, Assignors covenant and agree with said Assignee that they have a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns; and*

*For the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection of the inventions and discoveries or that may be necessary to vest in Assignee the complete title to the inventions and discoveries and patents hereby conveyed and to enable it to record title.*





*IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals on the dates subscribed below.*

  
\_\_\_\_\_  
Michael A. Brasch


DATE: Nov 15, 2012

STATE OF Maryland )

ss:

COUNTY OF Baltimore )

*BE IT REMEMBERED, that on this 15 day of November, 2012, before me, a Notary Public, personally appeared Michael A. Brasch, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, I and having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.*

  
Notary Public Sharon J. Gilbert  
My Commission Expires: 7/22/2015