

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Richard Ivey</td><td>05/21/2008</td></tr><tr><td>Stephen J. Lovell</td><td>05/24/2008</td></tr><tr><td>Robert Rosenstein</td><td>05/21/2008</td></tr><tr><td>Thomas Gentle</td><td>06/30/2008</td></tr><tr><td>Song Shi</td><td>05/21/2008</td></tr></tbody></table>	Name	Execution Date	Richard Ivey	05/21/2008	Stephen J. Lovell	05/24/2008	Robert Rosenstein	05/21/2008	Thomas Gentle	06/30/2008	Song Shi	05/21/2008	
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Thomas Gentle	06/30/2008												
Song Shi	05/21/2008												
RECEIVING PARTY DATA													
Name:	Becton, Dickinson and Company												
Street Address:	1 Becton Drive												
Internal Address:	MC 110												
City:	Franklin Lakes												
State/Country:	NEW JERSEY												
Postal Code:	07417												
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>12108550</td></tr></tbody></table>	Property Type	Number	Application Number:	12108550									
Property Type	Number												
Application Number:	12108550												
CORRESPONDENCE DATA													
Fax Number:	(201)847-7008												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Email:	cheryl_castiglia@bd.com												
Correspondent Name:	Becton, Dickinson and Company												
Address Line 1:	1 Becton Drive												
Address Line 2:	MC 110												
Address Line 4:	Franklin Lakes, NEW JERSEY 07417												
ATTORNEY DOCKET NUMBER:	P-6800												
NAME OF SUBMITTER:	Cheryl L. Castiglia												

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PATENT

500582129

REEL: 021179 FRAME: 0736

**Total Attachments: 7**

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**PATENT**

**REEL: 021179 FRAME: 0737**

**ASSIGNMENT**

Serial No.: 12/108,550  
Filed: April 24, 2008

Serial No.:  
Filed:

*WHEREAS Richard Ivey residing at 11 Shady Ridge Court, Parkton, Maryland 21120; Stephen J. Lovell residing at 1 Old Elm Court, Lutherville, Maryland 21093; Robert Rosenstein residing at 4273 Bright Bay Way, Ellicott City, Maryland 21042; Thomas Gentle residing at 5643 Quale Avenue NE, St. Michael, Minnesota 55376 and Song Shi residing at 1916 Billy Barton Circle, Reisterstown, Maryland 21136 are citizens of the United States of America (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:*

***METHODS FOR DIAGNOSING  
ONCOGENIC HUMAN PAPILLOMAVIRUS (HPV)***

*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.*

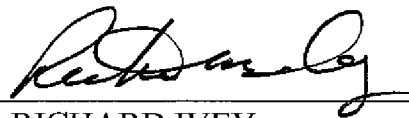
*NOW, THEREFORE, BE IT KNOWN that for and in consideration of the premises and in acknowledgment, confirmation and performance of obligations which arose out of the terms and conditions of Assignors' employment by Assignee at the time the invention was made, and other valuable considerations to them, 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.*

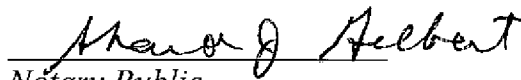
  
RICHARD IVEY

DATE: May 21, 2008

STATE OF Maryland )  
COUNTY OF Baltimore ) <sup>ss:</sup>

**BE IT REMEMBERED**, that on this 21 day of May,  
2008, before me, a Notary Public, personally appeared, Richard Ivey, 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/her the contents thereof, he/she did acknowledge that  
he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the  
uses and purposes therein expressed.

**Sharon J. Gilbert**  
**Baltimore County, State of Maryland**  
**My Commission Expires 7/22/2011**

  
Notary Public  
My Commission Expires: 7/22/2011

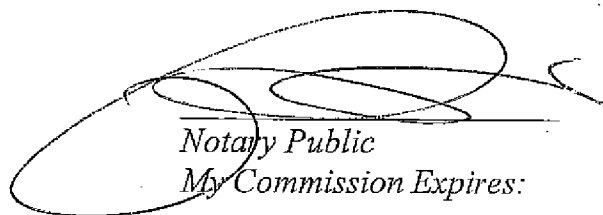
*IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals  
on the dates subscribed below.*

Stephen J. Lovell  
STEPHEN J. LOVELL

DATE: 24<sup>th</sup> May 2008

STATE OF Maryland )  
COUNTY OF Baltimore ) ss:

**BE IT REMEMBERED**, that on this 24 day of May,  
2008, before me, a Notary Public, personally appeared, Stephen J. Lovell, 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/her the contents thereof, he/she did  
acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act  
and deed for the uses and purposes therein expressed.

  
Notary Public  
My Commission Expires:

My Commission Expires September 25, 2011

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

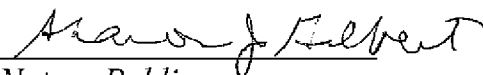
  
ROBERT ROSENSTEIN

DATE: May 21, 2008

STATE OF Maryland )  
COUNTY OF Baltimore ) <sup>ss:</sup>

**BE IT REMEMBERED**, that on this 21 day of May,  
2008, before me, a Notary Public, personally appeared, Robert Rosenstein, 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/her the contents thereof, he/she did  
acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act  
and deed for the uses and purposes therein expressed.

**Sharon J. Gilbert**  
**Baltimore County, State of Maryland**  
**My Commission Expires 7/22/2011**

  
Notary Public  
My Commission Expires: 7/22/2011

Patent  
P-6800

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

  
THOMAS GENTLE

DATE: 6/30/08

STATE OF Minnesota )  
COUNTY OF Anoka ) ss:

BE IT REMEMBERED, that on this 30th day of June 2008,  
2008, before me, a Notary Public, personally appeared, Thomas Gentle, 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/her the contents thereof, he/she did  
acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act  
and deed for the uses and purposes therein expressed.



  
Notary Public  
My Commission Expires:



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



SONG SHI

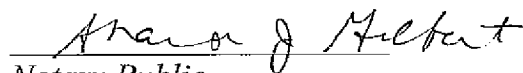
DATE: 5/21/2008

STATE OF Maryland )

ss:

COUNTY OF Baltimore )

**BE IT REMEMBERED**, that on this 21 day of May,  
2008, before me, a Notary Public, personally appeared, Song Shi, 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/her the contents thereof, he/she did acknowledge that  
he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the  
uses and purposes therein expressed.



Notary Public

My Commission Expires: 7/22/2011

**Sharon J. Gilbert**  
**Baltimore County, State of Maryland**  
**My Commission Expires 7/22/2011**