

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michel Bruehwiler</td> <td>09/21/2011</td> </tr> <tr> <td>Cole Constantineau</td> <td>09/21/2011</td> </tr> <tr> <td>Ryan Schoonmaker</td> <td>10/24/2011</td> </tr> <tr> <td>James Bates</td> <td>08/31/2011</td> </tr> <tr> <td>Margaret Taylor</td> <td>10/24/2011</td> </tr> <tr> <td>Robert Banik</td> <td>08/31/2011</td> </tr> </tbody> </table>		Name	Execution Date	Michel Bruehwiler	09/21/2011	Cole Constantineau	09/21/2011	Ryan Schoonmaker	10/24/2011	James Bates	08/31/2011	Margaret Taylor	10/24/2011	Robert Banik	08/31/2011
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<b>RECEIVING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Becton, Dickinson and Company</td> </tr> <tr> <td><b>Street Address:</b></td> <td>1 Becton Drive</td> </tr> <tr> <td><b>City:</b></td> <td>Franklin Lakes</td> </tr> <tr> <td><b>State/Country:</b></td> <td>NEW JERSEY</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>07417-1880</td> </tr> </table>		<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>	07417-1880				
<b>Name:</b>	Becton, Dickinson and Company														
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<b>PROPERTY NUMBERS Total: 1</b>															
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<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (202)659-9344</p> <p>Phone: 202 659 9076</p> <p>Email: usdocketing@roylance.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Roylance, Abrams, Berdo &amp; Goodman, LLC</p> <p>Address Line 1: 1300 19th Street NW</p> <p>Address Line 2: Suite 600</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>															
<b>ATTORNEY DOCKET NUMBER:</b>	57440														

OP \$40.00 13206405

**501703934**

**PATENT**  
**REEL: 027127 FRAME: 0433**

NAME OF SUBMITTER:

Michael A. Bush

**Total Attachments: 18**

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## ASSIGNMENT

WHEREAS, Michel Bruehwiler, Cole Constantineau, Ryan Schoonmaker, James Bates, Margaret Taylor, Robert Banik, all citizens of the United States of America, residing at 14 Erie Avenue, Newton, MA 02461, 44 Aberdeen Avenue, Cambridge, MA 02138, 1211 Elfin Forest Road E., San Marcos, CA 92078, 15 Mount Pleasant Road, Sparta, NJ 07871, 4 Augustine Road, Groton, MA 01450, 9 West Maple Avenue, Long Valley, NJ 07853, respectively (hereinafter called "Assignors"), has made certain new and useful inventions or discoveries relating to:

### **"Circuitous Band Needle Changing Apparatus"**

for which a provisional patent application was filed in the U.S. Patent and Trademark Office on August 16, 2010 and assigned Serial No. 61/344,526, and for which a utility application was filed in the U.S. Patent and Trademark Office on August 9, 2011 and assigned Serial No. 13/206,405; and

WHEREAS, Becton, Dickinson and Company, a corporation of the State 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/or other valuable considerations to him, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and transferred, and does 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, and continuations thereof, and in and to all Letters Patent, 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 Assignor if this Assignment and sale had not been made;

And Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue said Letters Patent in accordance with this Assignment;

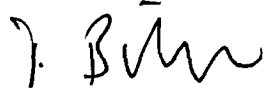
And for the consideration aforesaid, Assignor covenants and agrees with said Assignee that he has full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title he warrant unto said Assignee, its successors and assigns;

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 him 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 for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

And Assignors hereby grant the firm of Roylance, Abrams, Berdo & Goodman the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

ASSIGNMENT

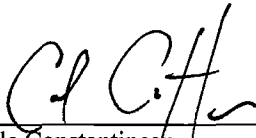
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal on the date(s) by each signature.



Sept. 21, 2011

1) Michel Bruehwiler

☒ NOTARIZATION PAGE ADDED



Sept. 21, 2011

2) Cole Constantineau

☒ NOTARIZATION PAGE ADDED

, 2011

3) Ryan Schoonmaker

☒ NOTARIZATION PAGE ADDED

, 2011

4) James Bates

☒ NOTARIZATION PAGE ADDED

, 2011

5) Margaret Taylor

ASSIGNMENT

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\_\_\_\_\_, 2011  
6) Robert Banik

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ASSIGNMENT

STATE

Massachusetts

COUNTY OF

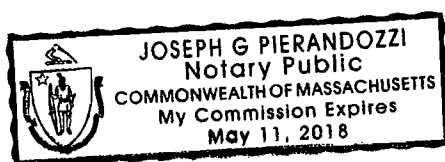
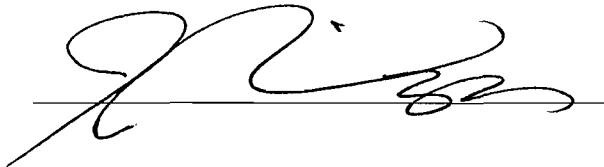
Suffolk

**BE IT REMEMBERED**, That on this 21 day of September 2011,

before me, a Notary public, personally appeared

Michel Bruehwiler

who I am satisfied is the person or persons named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.



ASSIGNMENT

STATE

Massachusetts

COUNTY OF

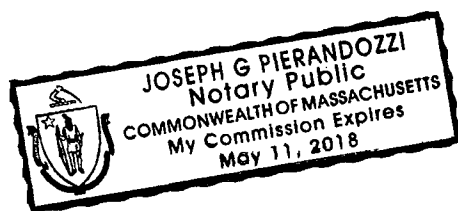
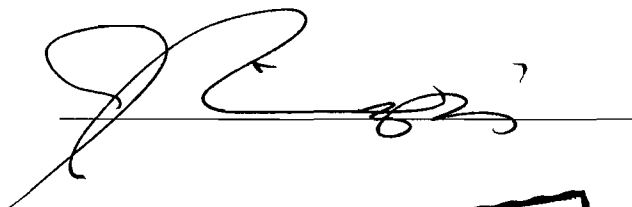
Suffolk

BE IT REMEMBERED, That on this 21 day of September 2011,

before me, a Notary public, personally appeared

Cole Constantineau

who I am satisfied is the person or persons named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.



## ASSIGNMENT

WHEREAS, Michel Bruehwiler, Cole Constantineau, Ryan Schoonmaker, James Bates, Margaret Taylor, Robert Banik, all citizens of the United States of America, residing at 14 Erie Avenue, Newton, MA 02461, 44 Aberdeen Avenue, Cambridge, MA 02138, 1211 Elfin Forest Road E., San Marcos, CA 92078, 15 Mount Pleasant Road, Sparta, NJ 07871, 4 Augustine Road, Groton, MA 01450, 9 West Maple Avenue, Long Valley, NJ 07853, respectively (hereinafter called "Assignors"), has made certain new and useful inventions or discoveries relating to:

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WHEREAS, Becton, Dickinson and Company, a corporation of the State 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/or other valuable considerations to him, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and transferred, and does 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, and continuations thereof, and in and to all Letters Patent, 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 Assignor if this Assignment and sale had not been made;

And Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignor covenants and agrees with said Assignee that he has full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title he 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 him 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 for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

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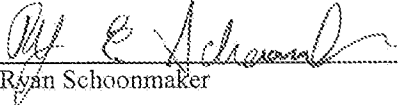
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal on the date(s) by each signature.

\_\_\_\_\_, 2011  
1) Michel Bruehwiler

☒ NOTARIZATION PAGE ADDED

\_\_\_\_\_, 2011  
2) Cole Constantineau

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 \_\_\_\_\_, 2011  
3) Ryan Schoonmaker

☒ NOTARIZATION PAGE ADDED

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4) James Bates

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\_\_\_\_\_, 2011  
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\_\_\_\_\_, 2011  
6) Robert Banik

☒ NOTARIZATION PAGE ADDED

STATE

COUNTY OF

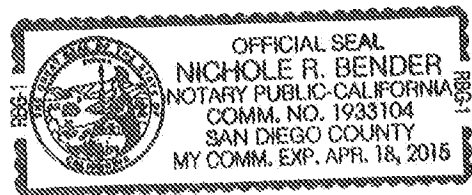
BE IT REMEMBERED, That on this 24 day of Oct 2011,

before me, a Notary public, personally appeared

Ryan Everett Schoonmaker

who I am satisfied is the person or persons named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

N.R.B.



## ASSIGNMENT

WHEREAS, Michel Bruhwiler, Cole Constantineau, Ryan Schoonmaker, James Bates, Margaret Taylor, Robert Banik, all citizens of the United States of America, residing at 14 Erie Avenue, Newton, MA 02461, 44 Aberdeen Avenue, Cambridge, MA 02138, 19 North Street, Apt. R, Salem, MA 01970, 15 Mount Pleasant Road, Sparta, NJ 07871, 4 Augustine Road, Groton, MA 01450, 9 West Maple Avenue, Long Valley, NJ 07853, respectively (hereinafter called "Assignors"), has made certain new and useful inventions or discoveries relating to:

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**ASSIGNMENT**

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\_\_\_\_\_, 2011  
1) Michel Bruhwiler

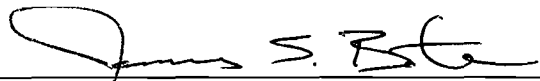
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\_\_\_\_\_, 2011  
2) Cole Constantineau

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\_\_\_\_\_, 2011  
3) Ryan Schoonmaker

☒ NOTARIZATION PAGE ADDED

 31 Aug, 2011  
4) James Bates

☒ NOTARIZATION PAGE ADDED

\_\_\_\_\_, 2011  
5) Margaret Taylor

ASSIGNMENT

☒ NOTARIZATION PAGE ADDED

 August 31, 2011  
6) Robert Banik

☒ NOTARIZATION PAGE ADDED

STATE New Jersey

COUNTY OF Passaic

**BE IT REMEMBERED**, That on this 31st day of August 2011,  
before me, a Notary public, personally appeared  
Robert Banik

who I am satisfied is the person or persons named in and who executed the foregoing instrument  
in my presence, and I having first made known to him the contents thereof, he did acknowledge  
that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and  
purposes therein expressed.

Linda Van Lenten

LINDA VAN LENTEN  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 1/24/2013

STATE New Jersey

COUNTY OF Passaic

**BE IT REMEMBERED**, That on this 31st day of August 2011,

before me, a Notary public, personally appeared

James Bates,

who I am satisfied is the person or persons named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Linda Van Lenten

LINDA VAN LENTEN  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 1/24/2013



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1) Michel Bruehwiler

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\_\_\_\_\_, 2011  
2) Cole Constantineau


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\_\_\_\_\_, 2011  
3) Ryan Schoonmaker

☒ NOTARIZATION PAGE ADDED

\_\_\_\_\_, 2011  
4) James Bates

☒ NOTARIZATION PAGE ADDED

 \_\_\_\_\_ 10/24, 2011  
5) Margaret Taylor

☒ NOTARIZATION PAGE ADDED

\_\_\_\_\_, 2011  
6) Robert Banik

☒ NOTARIZATION PAGE ADDED

STATE Ma.

COUNTY OF Middlesex

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before me, a Notary public, personally appeared

Margaret Taylor

who I am satisfied is the person or persons named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Anne Marie Houlihan

