

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5255899

|                                                                                                                                                                                                 |                               |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                    |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                               |                       |
|                                                                                                                                                                                                 | <b>Name</b>                   | <b>Execution Date</b> |
|                                                                                                                                                                                                 | KEVIN M. RYAN                 | 11/26/2018            |
|                                                                                                                                                                                                 | NICHOLA CHARLES               | 11/26/2018            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                               |                       |
| <b>Name:</b>                                                                                                                                                                                    | BECTON, DICKINSON AND COMPANY |                       |
| <b>Street Address:</b>                                                                                                                                                                          | ONE BECTON DRIVE              |                       |
| <b>City:</b>                                                                                                                                                                                    | FRANKLIN LAKES                |                       |
| <b>State/Country:</b>                                                                                                                                                                           | NEW JERSEY                    |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 07417                         |                       |
| <b>PROPERTY NUMBERS Total: 2</b>                                                                                                                                                                |                               |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>          | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:           | 15408187              |
|                                                                                                                                                                                                 | Application Number:           | 15408278              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                               |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (844)670-6009                 |                       |
| <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>Phone:</b>                                                                                                                                                                                   | 202-457-0160                  |                       |
| <b>Email:</b>                                                                                                                                                                                   | dwpatents@dickinsonwright.com |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | DICKINSON WRIGHT PLLC         |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 1825 EYE STREET NW            |                       |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 900                     |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | WASHINGTON, D.C. 20006        |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | P12258A&B/66810-2058&2062     |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | STANISLAV TORGOVITSKY         |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Stanislav Torgovitsky/       |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 11/28/2018                    |                       |
| <b>Total Attachments: 4</b>                                                                                                                                                                     |                               |                       |
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Serial No. 15/408,187  
Serial No. 15/408,278

P-12258A (66810-2058)  
P-12258B (66810-2062)

**ASSIGNMENT**

|             |            |        |                   |
|-------------|------------|--------|-------------------|
| Serial No.: | 62/279,986 | Filed: | January 18, 2016  |
| Serial No.: | 62/300,247 | Filed: | February 26, 2016 |
| Serial No.: | 15/408,187 | Filed: | January 17, 2017  |
| Serial No.: | 15/408,278 | Filed: | January 17, 2017  |

**WHEREAS**, Kevin M. Ryan, a citizen of the United States of America, residing at 5 Blackberry Lane, Whitehouse Station, NJ; and Nichola Charles, a citizen of the United States of America, with a mailing address of 1 Becton Drive, Franklin Lakes, NJ; (hereinafter called "Assignor(s)"), have made certain new and useful inventions or discoveries relating to:

**DISINFECTION CAP FOR IV NEEDLELESS CONNECTORS**

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 the State of New Jersey, whose address is One Becton Drive, Franklin Lakes, New Jersey 07417 (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 applications, whose identification above by serial numbers and filing dates, when available, is hereby authorized, and in and to said applications, all substitutions, divisions, provisionals, conversions of provisionals, continuations, and 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

**Serial No. 15/408,187**

**P-12258A (66810-2058)**

**Serial No. 15/408,278**

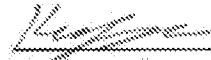
**P-12258B (66810-2062)**

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.

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P-12258B (66810-2062)

IN TESTIMONY WHEREOF, Assignor has hereunto set his/her hand and seal on the date subscribed below.

  
\_\_\_\_\_  
Kevin M. Ryan

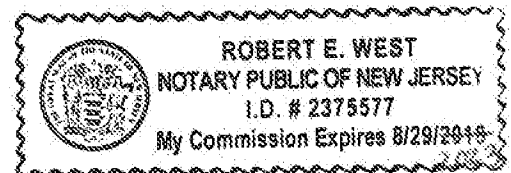
DATE: 11/26/2018

STATE OF

COUNTY OF

BE IT REMEMBERED, That on this 26 day of November, 2018, before me, a Notary Public, personally appeared Kevin M. Ryan, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I 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



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P-12258A (66810-2058)  
P-12258B (66810-2062)

IN TESTIMONY WHEREOF, Assignor has hereunto set his/her hand and seal on the date subscribed below.

Nichola Charles

Nichola Charles

DATE: Nov 20, 2018

STATE OF

COUNTY OF

BE IT REMEMBERED, That on this 26 day of November, 2018, before me, a Notary Public, personally appeared Nichola Charles, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I 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.

[Signature]  
Notary Public

