

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CATHETER CONNECTIONS, INC.	01/31/2017
RECEIVING PARTY DATA	
Name:	MERIT MEDICAL SYSTEMS, INC.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16235584
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NAME OF SUBMITTER:	JASON B. MCCAMMON
SIGNATURE:	/Jason B. McCammon/
DATE SIGNED:	03/28/2019
Total Attachments: 8	
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PATENT ASSIGNMENT

For good, valuable, and legally sufficient consideration, the receipt, adequacy and legal sufficiency of which is hereby acknowledged, Catheter Connections, Inc. a Delaware corporation ("Assignor"), hereby sells, assigns, transfers and conveys to Merit Medical Systems, Inc., a Utah corporation ("Assignee"), any and all of Assignor's entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in, to and under the inventions identified by the Serial Numbers and Patent Numbers, if available, set forth on the attached Exhibit A, which is incorporated by this reference, for which the United States Patent and Trademark Office issued patents or for which a patent application has been filed, and

(b) in any and all applications that claim the benefit of the patents listed on the attached Exhibit A, including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or letters patent therefore listed on the attached Exhibit A, to the full extent of the term or terms for which letters patents issue, and

(c) in any and all inventions described in the patents or patent applications described herein, and in any and all forms of intellectual and industrial property protection derivable from such patents or patent applications, and that are derivable from any and all continuing patents, applications, reissues, extensions, renewals and reexaminations of such patents or patent applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefore;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this sales assignment, transfer and conveyance not been made.

Assignor agrees to execute all appropriate papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as Assignee may deem necessary or expedient.

Assignor agrees to execute all appropriate papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.


[Signature page follows]

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed as of the date set forth below.

Effective as of January 31, 2017.

ASSIGNOR:

CATHETER CONNECTIONS, INC.,
a Delaware corporation

By: 
Name: John Shannon
Title: CEO

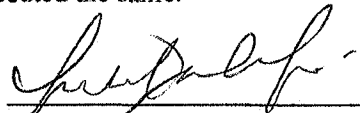
Acknowledgement by Notary Public

State of IL

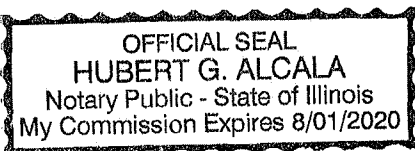
County of DuPage

On this 30th day of January, 2017, before me, the undersigned Notary Public, personally appeared John Shannon, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

Seal:

Signature: 

Name: Hubert G. Alcala, Notary Public



[Signature Page to Patent Assignment]

EXHIBIT A

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
03766/01002 (US)	ASSEMBLY FOR CLEANING LUER CONNECTORS	Patent No.: 8,177,761 Issued: 5/15/2012 App. No.: 12/164,310 Filed: 06/30/2008 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: 2009/0008393 Pub. Date: 01/08/2009	Michael W. Howlett James V. Mercer	Issued
03766/01003 (US)	METHODS FOR CLEANING LUER CONNECTORS	Patent No.: 8,197,749 Issued: 6/12/2012 App. No.: 12/171,997 Filed: 07/11/2008 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: 2009/0062766 Pub. Date: 03/05/2009	Michael W. Howlett James V. Mercer	Issued
03766/01004 (US)	METHODS FOR DISINFECTING MEDICAL CONNECTORS	Patent No.: 8,172,825 Issued: 5/8/12 App. No.: 12/610,141 Filed: 10/30/2009 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: 2010/0049170 Pub. Date: 02/25/2010	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett Mark Adams	Issued
03766/01005 (US)	SYSTEM FOR CLEANING LUER CONNECTORS	Patent No.: 8,647,326 Issued: 2/11/14 App. No.: 12/610,033 Filed: 10/30/2009 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: 2010/0047123 Pub. Date: 02/25/2010	Michael W. Howlett James V. Mercer Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis	Issued
03766/01006 (US)	DISINFECTING CAPS FOR MEDICAL FEMALE LUER CONNECTORS	Patent No.: 8,523,830 Issued: 9/3/13 App. No.: 12/917,336 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: 2011/0044850 Pub. Date: 02/24/2011	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
03766/01007 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,328,767 Issued: 12/11/12 App. No.: 13/281,404 Filed: 10/25/2011 Priority to: 60/880,541 Filed: 1/16/2007 Pub No.: 2012-0039764 Pub. Date: 2/16/2012	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued
03766/01008 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,231,587 Issued: 7/31/2012 App. No.: 13/281,413 Filed: 10/25/2011 Priority to: 12/610,141 Filed: 10/30/2009 Pub No.: 2012-0039765 Pub. Date: 2/16/2012	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued
03766/01008WO (PCT)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: PCT/US2010/54995 Filed: 11/1/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: WO2011/053924 Pub. Date: 5/5/2011	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Nationalized
03766/01008CA (Canada)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: 2,778,635 Filed: 11/1/2010 Priority to: 12/610,141 Filed: 10/30/2009	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	pending
03766/01008CN (China)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	Pat. No.: 2010-80 060 077.8 Issued: 4/1/2015 App. No.: 2010-80,060,077.8 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: CN102686253A Pub. Date: 09/19/2012	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Granted
03766/01008EP (Europe)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: EP10827614.8 Filed: 11/1/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: EP2,493,528 Pub. Date: 09/05/2012	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	pending
03766/01008JP (Japan)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	Patent No.: 5718349 Issued: 3/27/2015 App. No.: 2012-537172 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: JP2013-509274 Pub. Date: 03/14/2013	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Granted

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
03766/01009 (US)	CAP FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	Patent No.: D695,398 Issued: 12/10/2013 App. No.: 29/383,403 Filed: 01/17/2011	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer	Granted
03766/01009KR (SOUTH KOREA)	DUAL CAP FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	Patent No.: 30-659,298 Issued: 9/5/2012 App. No.: 30-2011-8322 Filed: 03/02/2011	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer	Granted
03766/01009CN (CHINA)	CAPPING SYSTEM FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	Pat. No.: 2011-30 032 346.7 Issued: 09/21/2011 App. No.: 201130032346.7 Filed: 03/01/2011	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer	Granted
03766/01010 (US)	DISINFECTING CAPS HAVING AN EXTENDABLE FEATURE AND RELATED SYSTEMS AND METHODS	Patent No.: 8,343,112 Issued: 1/1/2013 App. No.: 12/956,704 Filed: 11/30/2010 Pub. No.: 2011-0217212 Pub. Date: 09/08/2011	Michael W. Howlett James V. Mercer Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis	Issued
03766/01011 (US)	DISINFECTING CAPS HAVING SEALING FEATURES AND RELATED SYSTEMS AND METHODS	Patent No.: 8,523,831 Issued: 9/3/2013 App. No.: 12/957,263 Filed: 11/30/2010 Pub. No.: 2011-0213341 Pub. Date: 09/01/2011	Michael W. Howlett James V. Mercer Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis James Kennedy Richard Lasher	Issued
3766/1013 (US)	Carrier Assembly with Caps for Medical Connectors	Patent No.: 8,419,713 Issued: 4/16/2013 App. No.: 13/564,122 Filed: 8/1/2012	Solomon, Donald D.; Kennedy, James Paul	Issued
3766/1013WO (PCT)	Carrier Assembly with Caps for Medical Connectors	App. No.: PCT/US13/52661 Filed: 7/30/2013	Donald D. Solomon James Paul Kennedy	Entered national phase in China.
3766/1013CN (CHINA)	Carrier Assembly with Caps for Medical Connectors	Pat. No.: 2013-80 004 185.7 Issued: 5/11/2016 App. No.: 201380004185.7 Filed: 7/30/2013 Priority to: 13/564,122 Filed: 8/1/2012 Pub. No.: CN103998094A Pub. Date: 08/20/2014	Donald D. Solomon James Paul Kennedy	Granted

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
3766/01014 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,647,308 Issued: 2/11/2014 App. No.: 13/664,641 Filed: 10/31/2012 Pub. No. US 2013/0072908 Pub. Date: 3/21/2013	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued
03766/01015 (US)	DISINFECTING CAPS HAVING AN EXTENDABLE FEATURE	Patent No.: 9,242,084 Issued: 1/26/2016 App. No.: 13/678,057 Filed: 11/15/2012 Pub. No.: US2013/0072909 Pub. Date: 3/21/2013	Michael W. Howlett James V. Mercer Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis	Issued
3766/01016 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,641,681 Issued: 2/4/14 App. No.: 13/736,166 Filed: 1/8/2013 Pub. No. US 2013/0123754 Pub. Date: 5/16/2013	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued
3766/1017 (US)	Carrier Assembly with Caps for Medical Connectors	Patent No.: 9,101,750 Issued: 8/11/2015 App. No.: 13/794,338 Filed: 3/11/2013 Pub. No.: US2014/0034540 Pub. Date: 2/6/14	Solomon, Donald D.; Kennedy, James Paul	Issued
03766/01018 (US)	DISINFECTING CAPS HAVING SEALING FEATURES AND RELATED SYSTEMS AND METHODS	Patent No.: 8,961,475 Issued: 2/24/2015 App. No.: 13/972,101 Filed: 8/21/2013 Pub. No.: US2013/0338644 Pub. Date: 12/29/13	Michael W. Howlett James V. Mercer Donald D. Solomon Mark F. Ferguson Robert Hitchcock Steven Bandis James Kennedy Richard Lasher	Issued Divisional of 3766/1011
03766/01019 (US)	CAPPING SYSTEM FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	Patent No.: D770,614 Issued: 11/1/2016 App. No.: 29/475,931 Filed: 12/9/2013	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer	Issued DIV of 1009
03766/01020 (US)	ASSEMBLY OF MEDICAL CONNECTOR CAPS	App. No.: 14/162,207 Filed: 1/23/2014 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: US 2014/0135739 Pub. Date: 05/15/2014	Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis Michael W. Howlett James V. Mercer	Pending CON of 3766/1015

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
03766/01021 (US)	ASSEMBLY OF MEDICAL CONNECTOR CAPS	Patent No.: 9,079,692 Issued: 7/14/2015 App. No.: 14/275,296 Filed: 05/12/2014 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: US 2014/0248181 Pub. Date: 09/04/2014	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued CON of 3766/1020
03766/01022 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 9,114,915 Issued: 8/25/2015 App. No.: 14/277,885 Filed: 05/15/2014 Priority to: 60/880,541 Filed: 1/16/2007 Pub. No.: US 2014/0248182 Pub. Date: 09/04/2014	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett	Issued CON of 3766/1021
03766/01023 (US)	IMPROVED DISINFECTING CAP FOR NEEDLELESS INJECTION SITES	App. No.: 62/024,162 Filed: 07/14/2014	Donald D. Solomon F. Mark Ferguson	Converted to non-provisional 3766/1025
03766/01024 (US)	IMPROVED DISINFECTING CAP WITH COMPRESSION FIT FOR NEEDLELESS INJECTION SITE	App. No.: 62/083,817 Filed: 11/24/2014	Donald D. Solomon F. Mark Ferguson Mahender Avula	Converted to non-provisional 3766/1028
03766/01025 (US)	DISINFECTING CAP FOR NEEDLELESS INJECTION SITES	App. No.: 14/797,533 Filed: 7/13/2015 Priority to: 62/024,162 Filed: 07/14/2014	Donald D. Solomon F. Mark Ferguson	Pending
03766/01026 (US)	Carrier Assembly with Caps for Medical Connectors	Patent No.: 9,415,202 Issued: 8/16/2016 App. No.: 14/811,494 Filed: 7/28/2015 Priority to: 13/564,122 Filed: 08/01/2012	Solomon, Donald D.; Kennedy, James Paul	Issued CON of 3766/1013
03766/01027 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	App. No.: 14/845,004 Filed: 9/3/2015 Priority to: 60/880,541 Filed: 01/16/2007 Pub. No.: US-2015-0374968 Pub. Date: 12/31/2015	Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis Michael W. Howlett James V. Mercer	Pending CON of 3766/1020

SKMT Docket No.	TITLE	APPLICATION INFORMATION	INVENTORS	STATUS
03766/01028 (US)	Disinfecting Cap for Medical Connectors	App. No.: 14/947,341 Filed: 11/20/2015 Priority to: 62/083,817 Filed: 11/24/2014 Pub. No.: US-2016-0144118 Pub. Date: 5/26/2016	Donald D. Solomon F. Mark Ferguson Mahender Avula	Pending
03766/1028WO (PCT)	Disinfecting Cap for Medical Connectors	App. No.: PCT/US2015/061872 Filed: 11/20/2015 Priority to: 62/083,817 Filed: 11/24/2014 Pub. No.: WO 2016/085815 Pub. Date: 6/2/2016	Donald D. Solomon F. Mark Ferguson Mahender Avula	Pending
03766/01029 (US)	Disinfecting Cap for Male Luers	App. No.: 62/255,724 Filed: 11/16/2015	Robert Hitchcock Mahender Avula	Converted to PCT, 3766/1032WO
03766/01030 (US)	DISINFECTING CAPS HAVING AN EXTENDABLE FEATURE	App. No.: 14/978,925 Filed: 12/22/2015 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: US 2016-0106968 Pub. Date: 4/21/2016	Michael W. Howlett James V. Mercer Donald D. Solomon F. Mark Ferguson Robert Hitchcock Steven Bandis	Pending CON of 3766/1015
3766/1031 (US)	Carrier Assembly with Caps for Medical Connectors	App. No.: 15/203,002 Filed: 7/6/2016 Priority to: 13/564,122 Filed: 8/1/2012 Pub. No. US-2016-0310720 Pub. Date: 10/27/2016	Solomon, Donald D.; Kennedy, James Paul	Pending CON of 3766/1026
3766/1032WO (PCT)	Disinfecting Cap for Male Luers	App. No.: PCT/US2016/062061 Filed: 11/15/2016 Priority to: 62/255,724 Filed: 11/16/2015	Robert Hitchcock; Mahender Avula	Pending; based on 3766/1029
FEMALE/STOPCOK K 03766/01033 (US)	DISINFECTING CAPS FOR OPEN LUER CONNECTORS	App. No.: 62/451,298 Filed: 1/27/2017	Robert Hitchcock Mahender Avula Richard Jenkins	Pending