

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4872952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
THE PRIVATEBANK AND TRUST COMPANY	04/07/2017
RECEIVING PARTY DATA	
Name:	MARCORP FINANCIAL LLC
Street Address:	209 REX
City:	ELMHURST
State/Country:	ILLINOIS
Postal Code:	60126
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8231587
CORRESPONDENCE DATA	
Fax Number:	(801)578-6999
<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>	
Email:	cristi.bills@stoel.com
Correspondent Name:	MATTHEW S. BETHARDS
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Address Line 4:	SALT LAKE CITY, UTAH 84111
ATTORNEY DOCKET NUMBER:	37621/29
NAME OF SUBMITTER:	MATTHEW S. BETHARDS
SIGNATURE:	/Matthew S. Bethards/
DATE SIGNED:	03/19/2018
Total Attachments: 8	
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**NOTICE OF RELEASE
OF SECURITY
INTERESTS IN
PATENTS**

Date: April 7, 2017

TO: United States Patent and Trademark Office

Ladies and Gentlemen:

Reference is hereby made to that certain Collateral Assignment of Documents (the "Patent Notice"), made by **MARCORP FINANCIAL LLC**, a Delaware limited liability company ("Debtor") to **THE PRIVATEBANK AND TRUST COMPANY**, an Illinois banking corporation ("PrivateBank"), which Patent Notice was recorded with the United States Patent and Trademark Office on April 14, 2015, at Reel 035423, Frame 0126, pursuant to which Debtor acknowledged that it granted to PrivateBank a continuing security interest and continuing lien upon the following patents (the "Patents"):

SEE ATTACHED SCHEDULE I

Please be advised that, for good and valuable consideration, receipt of which is hereby acknowledged, PrivateBank hereby terminates the Patent Notice, releases and terminates the security interests granted by Debtor to PrivateBank in the Patents, and re-transfers and re-assigns to Debtor all of PrivateBank's right, title and interest in and to the Patents and all goodwill associated therewith.

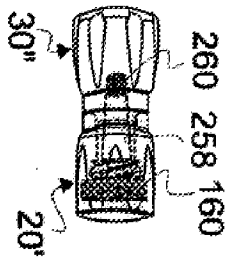
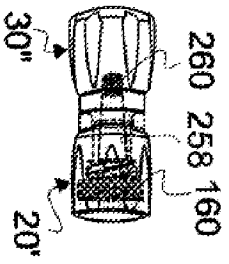
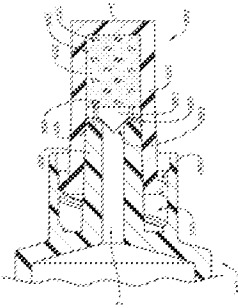
PrivateBank hereby authorizes Debtor and its agents, representatives and designees to record this Notice of Release of Security Interest in Patents with the United States Patent and Trademark Office. PrivateBank further agrees to provide Debtor with any additional authorization and documentation reasonably necessary to effect the release of PrivateBank's security interests in the Patents.

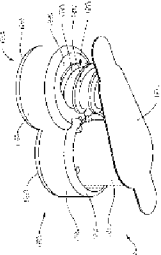
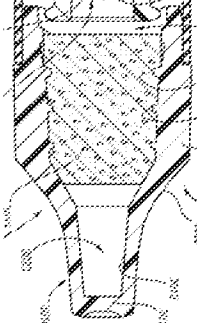
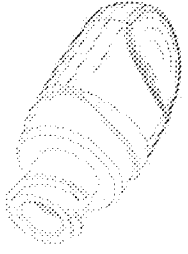
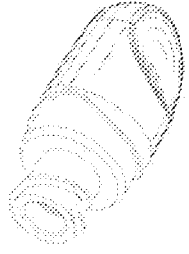
**THE PRIVATEBANK AND TRUST
COMPANY**, an Illinois banking
corporation






By: 
Name: Michael Mullen
Its: Officer

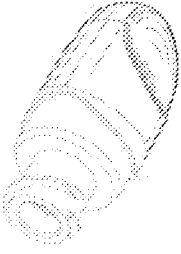
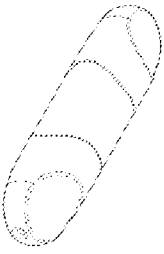

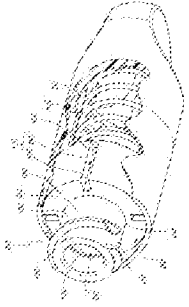
SCHEDULE I
PATENTS

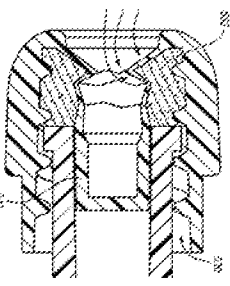
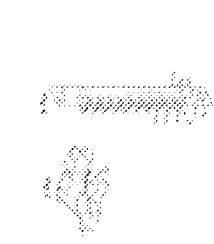
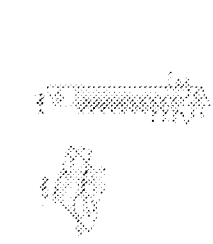
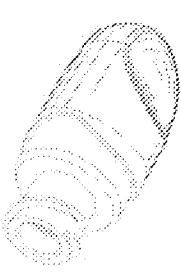
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Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
DUAL CAP 03766/01002 U-4380 (US)	ASSEMBLY FOR CLEANING LUER CONNECTORS	Patent No.: 8,177,761 Issued: 5/15/2012 Expiring 3/3/2028 App. No.: 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 Maintenance due 3.5 years 11/15/15 Claims to: Assembly of Caps (gender neutral) with a surrounding seal
DUAL CAP 03766/01003 U-4380 (US)	METHODS FOR CLEANING LUER CONNECTORS	Patent No.: 8,197,749 Issued: 6/6/2012 Expiring 8/11/2029 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 PTA 574 days Maintenance due 3.5 years 12/6/15 Claims to: Methods of using an assembly of Caps (gender neutral) with surrounding seal
MALE 03766/01004 U-5130 (US)	METHODS FOR DISINFECTING MEDICAL CONNECTORS	Patent No.: 8,172,825 Issued: 5/8/12 Expiring 10/10/2028 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 PTA 269 days Maintenance due 3.5 years 11/8/15 Claims to Method of Use of the male cap with nose cone and biasing member

Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
STRIP 03766/01005 U-5131 (US)	SYSTEM FOR CLEANING LUER CONNECTORS	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		Allowed, issue fee due 1/3/2014 Claims directed to cover (strip) with at least 2 caps (gender neutral)
FEMALE 03766/01006 U-5131 (US)	DISINFECTING CAPS FOR MEDICAL FEMALE LUER CONNECTORS	Patent No.: 8,523,830 Issued: Sept 3, 2013 Expiring 2/13/30 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 Maintenance fee due 3.5 years 9/3/2017
MALE 03766-01007 U-5131 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,328,767 Issued: Dec 11, 2012 Expiring 1/15/2028 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 Maintenance due 3.5 years 6/11/16 Claims directed to male cap without seal and biasing members
MALE 03766/01008 U-5131 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	Patent No.: 8,231,587 Issued: 7/31/2012 Expiring 10/30/2029 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 Claims directed to male cap with sealing and biasing members 3.5 Y annuity due 1/31/16


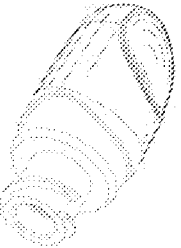

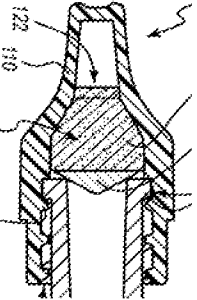
Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
DUALCAP 03766/01008WO U-5131 (PCT)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: PCT/US2010/54995 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: WO2011/053924 Pub. Date: 5/5/2011	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		PCT of 1006 Nationalized
DUALCAP 03766/01008CA U-5131 (Canada)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: 2,778,635 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: Pub. Date:	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		PCT of 1006 pending Reg Exam due 11/1/15 Claims directed to male cap with sealing and biasing members
DUALCAP 03766/01008CN U-5131 (China)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: 2010-80,060,077.8 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: Pub. Date:	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		PCT of 1006 pending Office action/response due 2/12/14 Claims directed to male cap with sealing and biasing members
DUALCAP 03766/01008EP U-5131 (Europe)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: EP10827614.8 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: EP2,493,528 Pub. Date: 9/6/12	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		PCT of 1006 pending Claims directed to male cap with sealing and biasing members
DUALCAP 03766/01008JP U-5131 (Japan)	DISINFECTING CAPS AND SYSTEMS AND ASSOCIATED METHODS	App. No.: 2012-537172 Filed: 11/01/2010 Priority to: 12/610,141 Filed: 10/30/2009 Pub. No.: Pub.	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		PCT of 1006 pending Requested exam due 9/20/2013 Claims directed to male cap with sealing and biasing members

Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
DUALCAP DESIGN 03766/01009 U-5131 (US)	CAPPING SYSTEM FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	App. No.: 29/383,403 Filed: 01/17/2011 Pub. No.: Pub.	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer		Allowed - issue fee paid 10/16/2013 Design of the gripping portion File Div??
DUALCAP DESIGN 03766/01009KR U-5131 (SOUTH KOREA)	CAPPING SYSTEM 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 Pub. No.: Pub.	F. Mark Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer		Granted
DUALCAP DESIGN 03766/01009CN U-5131 (CHINA)	CAPPING SYSTEM FOR USE WITH ONE OR MORE MEDICAL CONNECTORS	Patent No.: 2011-30 032 346.7 Issued: 09/21/2011 App. No.: 201130032346.7 Filed: 03/01/2011	Mark F. Ferguson Michael W. Howlett Robert Hitchcock Donald D. Solomon Steven Bandis James V. Mercer		Granted
PEDIATRIC 03766/01010 U-5131 (US)	DISINFECTING CAPS HAVING AN EXTENDABLE FEATURE AND RELATED SYSTEMS AND METHODS	Patent No.: 8,343,112 Issued: 01/01/2013 Exp. Apr. 1, 2030 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 Mark F. Ferguson Robert Hitchcock Steven Bandis		Issued PTA 153 days Maintenance due 3.5 years 7/1/16

Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
FEMALE/STOPCOCK 03766/01011 U-5131 (US)	DISINFECTING CAPS HAVING SEALING FEATURES AND RELATED SYSTEMS AND METHODS	Patent no.: 8,523,831 Issued: 9/3/2013 Expiring Mar 11, 2030 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 Mark F. Ferguson Robert Hitchcock Steven Bandis James Kennedy Richard Lasher		Issued PTA 132 days Maintenance fee due 3.5 years 3/3/2017
STRIP 3766/1013 U-?? (US)	Carrier Assembly with Caps for Medical Connectors	Patent No.: 8,419,713 Issued: 4/16/2013 Expiring 8/1/2032 App. No.: 13/564,122 Filed: 8/1/2012	Solomon, Donald D.; Kennedy, James Paul		Issued Maintenance due 3.5 years 10/16/16
STRIP 3766/1013WO U-?? (PCT)	Carrier Assembly with Caps for Medical Connectors	App. No.: PCT/US13/52661 Filed: 7/30/2013	Solomon, Donald D.; Kennedy, James Paul		Demand due 6/1/2014 30-month National Phase due 2/1/2015
MALE CAP 3766/01014 U-5131 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	App. No.: 13/664,641 Filed: 10/31/2012 Pub. No. US 2013/0072908 Pub. Date: 3/21/2013 Patent No.: Issued:	Donald D. Solomon F. Mark Ferguson James V. Mercer Robert Hitchcock Steven Bandis Michael W. Howlett		Allowed Issue fee due 1/1/14 CON?

PATENT

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Trade Name Client NO. SKMT No. U of Utah NO.	TITLE	APPLICATION INFORMATION	INVENTORS	REPRESENTATIVE IMAGE	STATUS
PEDIATRIC 03766/01015 U-5131 (US)	DISINFECTING CAPS HAVING AN EXTENDABLE FEATURE	App. No.: 13/678/057 Filed: 11/15/2012 Pub. No.: Pub. Date: Patent No.: Issued:	Michael W. Howlett James V. Mercer Donald D. Solomon Mark F. Ferguson Robert Hitchcock Steven Bandis		Pending First action prediction Jan 2015 CON of 3766/1010
MALE CAP 3766/01016 U-5131 (US)	DISINFECTING CAPS FOR MEDICAL MALE LUER CONNECTORS	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		Allowed Issue fee due 1/16/20134 CON? CON of 3766/1014
STRIP 3766/1017 U-?? (US)	Carrier Assembly with Caps for Medical Connectors	App. No.: 13/794,338 Filed: 3/11/2013 Pub. Pub. Date:	Solomon, Donald D.; Kennedy, James Paul		Pending Response to first action filed 10/10/13 CON of 3766/1013
FEMALE/STOPCOCK 03766/01018 U-5131 (US)	DISINFECTING CAPS HAVING SEALING FEATURES AND RELATED SYSTEMS AND METHODS	App. No.: 13/972,101 Filed: 8/21/2013 Pub. No.: Pub. Date: Patent No.: Issued:	Michael W. Howlett James V. Mercer Donald D. Solomon Mark F. Ferguson Robert Hitchcock Steven Bandis James Kennedy Richard Lasher		Pending0A Divisional of 3766/1011 Species A (Fig. 1-10C)

Exhausted or Abandoned Patent Applications

Serial No.	Date Filed	Inventors	Title of Invention	Status
USSN 60/880,541	1/16/07	Howlett, M. W. Mercer, J. V.	Antiseptic protective cap for male and female screw-together connectors	Exhausted
USSN 61/265,207	11/30/09	Ferguson, F. M. Hitchcock, R Solomon, D. D. Bandis, S.	Disinfectant caps and systems and associated methods	Exhausted
USSN 61/265,216	11/30/09	Hitchcock, R Bandis, S. Solomon, D. D. Ferguson, F. M. Kennedy, J. P. Lasher, R.	Sterilization caps and systems and associated methods	Exhausted
PCT/US2009/049094	6/29/09	Howlett, M. W. Mercer, J. V.	Sterility-protecting caps with fluid reservoir for separated connectors	Exhausted
PCT/US2010/058404	11/30/10	Hitchcock, R Solomon, D. D. Ferguson, F. M. Bandis, S. Mercer, J. V. Howlett, M. W.	Disinfecting caps having an extendable feature and related systems and methods	Exhausted
PCT/US2010/058453	11/30/10	Hitchcock, R. Kennedy, J. Lasher, R. Solomon, D. D. Bandis, S. Mercer, J. V. Howlett, M. W.	Disinfecting caps having sealing features and related systems and methods	Exhausted
Australia AU2008206312	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Brazil BR PI 0806801-1	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Canada CA2,675,708	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Europe EP08727689.5	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Hong Kong HK10105138.0	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Japan JP2009-546481	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
Mexico MX/a/2009/007591	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Abandoned
USSN 12/014,388	1/15/08	Howlett, M. W. Mercer, J. V.	Assembly with paired caps separable for aseptically covering at least one connector	Abandoned
PCT/US2008/051087	1/15/08	Howlett, M. W. Mercer, J. V.	Nestable sterility-protecting caps for separated connectors	Exhausted