

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM311830

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Medical Graphics Corporation		07/24/2014	CORPORATION: MINNESOTA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	BMO HARRIS BANK N.A.		
<b>Street Address:</b>	50 South Sixth Street, Suite 1000		
<b>City:</b>	MINNEAPOLIS		
<b>State/Country:</b>	MINNESOTA		
<b>Postal Code:</b>	55402		
<b>Entity Type:</b>	national banking association: UNITED STATES		
<b>PROPERTY NUMBERS Total: 7</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	1636812	MEDGRAPHICS	
<b>Registration Number:</b>	1800627	CARDIO2	
<b>Registration Number:</b>	1989058	CPX EXPRESS	
<b>Registration Number:</b>	1989085	CPX EXPRESS	
<b>Registration Number:</b>	3286733	CCM EXPRESS	
<b>Registration Number:</b>	3209998	PREVENT	
<b>Registration Number:</b>	4239581	PREVENT	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	6124927077		
<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>	612-492-7000		
<b>Email:</b>	ip@fredlaw.com		
<b>Correspondent Name:</b>	Patricia A. Larson, Senior Paralegal		
<b>Address Line 1:</b>	Fredrikson & Byron, P.A.		
<b>Address Line 2:</b>	200 S. SIXTH STREET, SUITE 4000		
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402-1425		
<b>NAME OF SUBMITTER:</b>	Patricia A. Larson		
<b>SIGNATURE:</b>	/Patricia A. Larson/		
<b>DATE SIGNED:</b>	07/25/2014		

OP \$190.00 1636812

**Total Attachments: 7**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (“IP Security Agreement”), dated as of July 24, 2014, is made by **MEDICAL GRAPHICS CORPORATION**, a Minnesota corporation (the “Grantor”) in favor of **BMO HARRIS BANK N.A.**, a national banking association with an address at 50 South Sixth Street, Suite 1000, Minneapolis, Minnesota 55402 (the “Secured Party”).

WHEREAS, the Grantor and MGC Diagnostics Corporation (individually and collectively, the “Borrower”) have entered into a Credit Agreement with the Secured Party dated as of the date hereof (as it may be amended, modified, supplemented, restated or replaced from time to time, the “Credit Agreement”).

WHEREAS, as a condition precedent to the making of loans by the Secured Party under the Credit Agreement, the Grantor has executed and delivered to the Secured Party that certain Security Agreement dated as of the date hereof (as it may be amended, modified, supplemented, restated or replaced from time to time, the “Security Agreement”).

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Secured Party a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this IP Security Agreement, for recording with national, federal and state government authorities, including, but not limited to, the United States Patent and Trademark Office and the United States Copyright Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees with the Secured Party as follows:

1. **Grant of Security.** The Grantor hereby pledges and grants to the Secured Party a security interest in and to all of the right, title and interest of the Grantor in, to and under the following, wherever located, and whether now existing or hereafter arising or acquired from time to time (the “IP Collateral”):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions and reexaminations thereof and amendments thereto (the “Patents”);

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use of and symbolized thereby and all extensions and renewals thereof (the “Trademarks”), excluding only United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant, attachment or enforcement of a security interest therein would, under applicable

federal law, impair the registrability of such applications or the validity or enforceability of registrations issuing from such applications;

(c) the copyright registrations, applications and copyright registrations and applications exclusively licensed to the Grantor set forth in Schedule 3 hereto, and all extensions and renewals thereof (the “Copyrights”);

(d) all rights of any kind whatsoever of the Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(e) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(f) any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

**2. Recordation.** The Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this IP Security Agreement upon request by the Secured Party.

**3. Loan Documents.** This IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Secured Party with respect to the IP Collateral are as provided by the Credit Agreement, the Security Agreement and related documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.

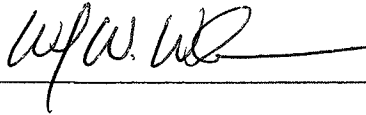
**4. Execution in Counterparts.** This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (eg, “pdf”) format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.

**5. Successors and Assigns.** This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. **Governing Law.** This IP Security Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Minnesota, without giving effect to any choice or conflict of law provision or rule (whether of the State of Minnesota or any other jurisdiction).

IN WITNESS WHEREOF, the Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**MEDICAL GRAPHICS CORPORATION**

By  \_\_\_\_\_  
Name:

Its: Chief Financial Officer, Chief Operating  
Officer and Secretary

Address for Notices:

350 Oak Grove Parkway  
St. Paul, MN 55127-8599

Agreed to and accepted:

**BMO HARRIS BANK N.A.**

By \_\_\_\_\_  
Name: Sean T. Ball  
Its: Vice President

6. **Governing Law.** This IP Security Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Minnesota, without giving effect to any choice or conflict of law provision or rule (whether of the State of Minnesota or any other jurisdiction).

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**MEDICAL GRAPHICS CORPORATION**

By \_\_\_\_\_  
Name:  
Its: Chief Financial Officer, Chief Operating  
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Address for Notices:  
350 Oak Grove Parkway  
St. Paul, MN 55127-8599

Agreed to and accepted:

**BMO HARRIS BANK N.A.**

By   
Name: Sean T. Ball  
Its: Vice President

## SCHEDULE 1

### PATENTS AND PATENT APPLICATIONS

APP TYPE	TITLE	PATENT NO	SERIAL NO	COUNTRY
ori	face mask incorporating respiratory flow sensor	6718982	09/850334	US
ori	respiratory exchange ratio sensor	7390304	11/095271	US
ori	gasless calibration in metabolic gas analyzers	7805975	11/889335	US
ori	gasless calibration in metabolic gas analyzers	2633235	2633235	CA
ori	gasless calibration in metabolic gas analyzers	EP2034311*	08251549.5	EP
ori	metabolic analyzer transducer	8197417	12/042158	US
ori	metabolic analyzer transducer		09718376.8	EP
ori	metabolic analyzer transducer		US09/35981	WP
cip	metabolic analyzer	0627195	94303864.6	EP
ori	oxygen sensor improvement method	8110081	12/470937	US

\*European Patent 2034311 offers protection in the following elected countries:

- Belgium
- Germany
- France
- Switzerland
- Great Britain
- Italy

## SCHEDULE 2

### TRADEMARK REGISTRATIONS AND APPLICATIONS

TRADE MARK	REG NO	SERIAL NO	COUNTRY	STATUS
MEDGRAPHICS	1636812	74/028440	US	R
CARDIO2 (STYLIZED)	1800627	74/332534	US	R
CPX EXPRESS	1989058	74/549884	US	R
CPX EXPRESS AND DESIGN	1989085	74/555284	US	R
CCM EXPRESS	3286733	76/649633	US	R
PREVENT (STYLIZED)	3209998	76/656242	US	R
MEDGRAPHICS & DESIGN	5357650	5357650	CN	R
PREVENT (STYLIZED)	5357649	5357649	CN	R
ULTIMA PFX	6124186	6124186	CN	R
ULTIMA PFX	5980354	5986354	EU	R
SPIRO EXPRESS	6124180	6124180	CN	R
SPIRO EXPRESS	5980511	5980511	EU	R
PREVENT (STYLIZED)	5980421	5980421	EU	R
PF EXPRESS	6124188	6124188	CN	R
PF EXPRESS	5980453	5986453	EU	R
MEDGRAPHICS & DESIGN	6009534	6009534	EU	R
MEDGRAPHICS	5980371	5986371	EU	R
MEDGRAPHICS	6124182	6124182	CN	R
CPX EXPRESS	6124179	6124179	CN	R
CPX EXPRESS	5980347	5986347	EU	R
CCM EXPRESS	5980487	5986487	EU	R
CCM EXPRESS	6124183	6124183	CN	R
CARDIO2 (STYLIZED)	6009542	6009542	EU	R
PF EXPRESS	6124187	6124187	CN	R
ULTIMA PFX	6124185	6124185	CN	R
MEDGRAPHICS	1405097	1405097	AU	R
preVent (Stylized)	4239581	76/711087	US	R



**SCHEDULE 3**

**COPYRIGHT REGISTRATIONS AND APPLICATIONS**

None.