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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4062646

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|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BRACCO USA INC. | 08/01/2013 |
| BRACCO DIAGNOSTICS INC. | 08/01/2013 |
| E-Z-EM, INC. | 08/01/2013 |
| E-Z-EM CANADA INC. | 08/01/2013 |
| RECEIVING PARTY DATA | |
| Name: | EMERGENT PROTECTIVE PRODUCTS CANADA ULC |
| Street Address: | 6555 METROPOLITAN BOULEVARD EAST |
| Internal Address: | SUITE J-5 |
| City: | MONTREAL, QUEBEC |
| State/Country: | CANADA |
| Postal Code: | H1P 3H3 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13920416 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)371-2540 |
| <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> | |
| Phone: | 2023712600 |
| Email: | TARJAHN@skgf.com, DSTOUT@SKGF.COM |
| Correspondent Name: | SKGF PLLC |
| Address Line 1: | 1100 NEW YORK AVENUE, N.W. |
| Address Line 4: | WASHINGTON, D.C. 20005 |
| ATTORNEY DOCKET NUMBER: | 2479.1240003/EKS/THN |
| NAME OF SUBMITTER: | ERIC K. STEFFE |
| SIGNATURE: | /Eric K. Steffe Reg. # 36,688/ |
| DATE SIGNED: | 09/21/2016 |
| Total Attachments: 9 | |
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**AMENDMENT
TO ASSIGNMENT AGREEMENT**

August 1,
2013
EN

This Amendment to Assignment Agreement ("**Amendment**") is entered into effective ~~[Date TBD]~~ (the "**Amendment Effective Date**"), by and among EMERGENT PROTECTIVE PRODUCTS CANADA ULC, an unlimited liability company organized under the laws of Canada ("**Assignee**"), BRACCO USA INC., a Delaware corporation ("**Bracco USA**"), BRACCO DIAGNOSTICS INC., a Delaware corporation ("**BDI USA**"), E-ZEM, INC., a Delaware corporation or its designee ("**EZEM USA**"), and EZEM CANADA INC., a corporation incorporated under the laws of Canada ("**EZEM Canada**"). Each of Bracco USA, BDI USA, EZEM USA, and EZEM Canada shall be referred to herein as an "**Assignor**". Assignor and Assignee each sometimes referred to as a "**Party**" and collectively as the "**Parties**," with reference to the following

WHEREAS, Assignor and Assignee entered into that certain Assignment of Transferred Intellectual Property agreement effective August 1, 2013, ("**Original Agreement**");

WHEREAS, Emergent BioSolutions Inc. ("**Emergent**") and each Assignor are parties to that certain Asset Purchase Agreement, dated April 24, 2013 (as amended, the "**Asset Purchase Agreement**"); and

WHEREAS, the Parties now desire to amend the Original Agreement as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignee and Assignor hereby agree as follows:

1. **Incorporation of Recitals and Agreements Referenced Therein; Capitalized Terms.** The Recitals set forth above are deemed to be true and accurate in all respects and the agreements referenced therein are hereby incorporated into this Amendment by reference. Capitalized terms used herein shall have the same meanings ascribed to them in the Original Agreement unless otherwise expressly defined herein. In the event of any conflict between the terms of the Original Agreement and the terms of this Amendment, the terms of this Amendment shall govern and control. The Original Agreement and this Amendment are collectively referred to hereinafter as the "**Agreement**".

2. **Amendments to Original Agreement.** The Original Agreement is hereby amended as follows:

- Section 2(a) shall be amended to read as follows:
 - (a) Each Assignor hereby perpetually and irrevocably assigns to Assignee
 - (i) all of such Assignor's right, title and interest in, to and under the Intellectual Property Assets, including, without limitation, all Intellectual Property listed on the attached Schedule of Transferred Intellectual Property Assets,

all patent applications arising therefrom, including non-provisional patent applications, in any and all patents granted from such applications,

all patent applications and patents that claim the benefit to or through patent applications listed on the attached Schedule of Transferred Intellectual Property Assets, in the United States or in any other countries including non-provisional applications, continuing (including continuation, divisional, or continuation-in-part) applications, substitute applications, reissues, extensions, renewals and reexaminations of the patent application or patents therefor listed above, to the full extent of the term or terms for which patents issue,

all inventions described in patent applications listed on the attached Schedule of Transferred Intellectual Property Assets, and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, substitute applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable,

and all goodwill symbolized thereby and associated therewith and including all rights therein provided by international conventions and treaties, and the right to sue for past, present and future infringement thereof,

(ii) any and all rights of each Assignor to sue at law or in equity for any infringement, imitation, impairment, distortion, dilution or other unauthorized use or conduct in derogation of the Intellectual Property Assets and the rights, title and interest assigned in Section 2(a), including the right to receive all proceeds and damages therefrom, (iii) any and all rights to royalties, profits, compensation, license fees or other payments or remuneration of any kind relating to the Intellectual Property Assets and the rights, title and interest assigned in Section 2(a), and (iv) any and all rights to obtain renewals, reissues, and extensions of registrations or other legal protections pertaining to the Intellectual Property Assets and the rights, title and interest assigned in Section 2(a).

- The Schedule of Transferred Intellectual Property Assets shall be replaced with the Schedule of Transferred Intellectual Property Assets attached hereto.

3. **Incorporation of Prior Agreements.** The Agreement contains the entire understanding of the Parties hereto with respect to the subject matter hereof,

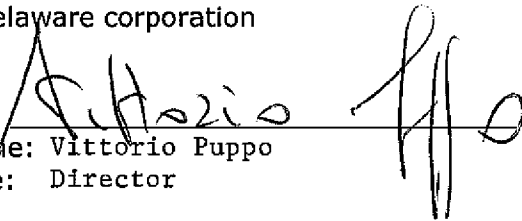
and no prior or other written or oral agreement or undertaking pertaining to any such matter shall be effective for any purpose.

4. **Interpretation; Full Force And Effect; Counterparts.** This Extension & Amendment shall be construed reasonably to carry out its intent without presumption against or in favor of either party. The Original Agreement shall remain in full force and effect in accordance with its original terms and provisions, except as expressly modified by the terms of this Extension & Amendment. This Extension & Amendment may be executed by the Parties hereto in one or more counterparts, all of which shall be valid and binding on the Party or Parties executing them and all counterparts shall constitute one and the same document for all purposes. Each Party hereto represents and warrants that this Amendment has been duly authorized, executed and delivered by or on behalf of such Party.

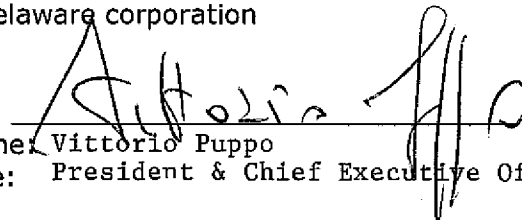
[Signature Page Follows.]

IN WITNESS WHEREOF, the parties hereto have entered into this Amendment as of the Amendment Effective Date.

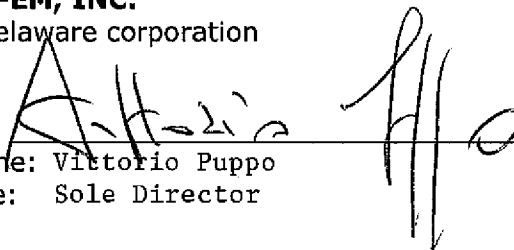
BRACCO USA INC.
a Delaware corporation

By: 
Name: Vittorio Puppo
Title: Director

BRACCO DIAGNOSTICS INC.
a Delaware corporation

By: 
Name: Vittorio Puppo
Title: President & Chief Executive Officer

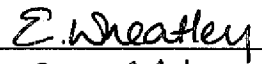
E-Z-EM, INC.
a Delaware corporation

By: 
Name: Vittorio Puppo
Title: Sole Director

E-Z-EM CANADA INC.
a corporation incorporated under the laws of Canada

By: _____
Name: Luc Raymond
Title: Director

EMERGENT PROTECTIVE PRODUCTS CANADA ULC
an unlimited liability company incorporated under the laws of Canada

By: 
Name: EMMA WHEATLEY
Title: Secretary

[Signature Page to Amendment to Assignment Agreement]

IN WITNESS WHEREOF, the parties hereto have entered into this Amendment as of the Amendment Effective Date.

BRACCO USA INC.
a Delaware corporation

By: _____
Name: Vittorio Puppo
Title: Director

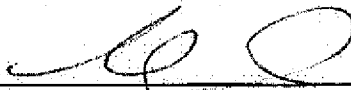
BRACCO DIAGNOSTICS INC.
a Delaware corporation

By: _____
Name: Vittorio Puppo
Title: President & Chief Executive Officer

E-Z-EM, INC.
a Delaware corporation

By: _____
Name: Vittorio Puppo
Title: Sole Director

E-Z-EM CANADA INC.
a corporation incorporated under the laws of Canada

By:  _____
Name: Luc Raymond
Title: Director

EMERGENT PROTECTIVE PRODUCTS CANADA ULC
an unlimited liability company incorporated under the laws of Canada

By: _____
Name:
Title:

[Signature Page to Amendment to Assignment Agreement]

SCHEDULE OF TRANSFERRED INTELLECTUAL PROPERTY ASSETS

Patents:

| <u>Country</u> | <u>Title</u> | <u>Status</u> | <u>Serial #</u> | <u>Filed Date</u> | <u>Publication #</u> | <u>Patent #</u> | <u>Issue Date</u> |
|-------------------------------|---|---------------|---------------------|-------------------|----------------------|--------------------|-------------------|
| AUSTRALIA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | GRANTED | 2008348284 | 12/30/2008 | | 2008348284 | 11/22/2012 |
| AUSTRALIA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | GRANTED | 2012233058 | 10/4/2012 | | 2012233058 | 3/26/2015 |
| BRAZIL | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | PI0822225-8 | 12/30/2008 | | | |
| CANADA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ALLOWED | 2,712,324 | 12/30/2008 | | | |
| CANADA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ALLOWED | TBD | | | | |
| CHINA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | GRANTED | 20088012817 1.5 | 12/30/2008 | CN 101977658A | ZL20088 0128171 | 4/24/2013 |
| CHINA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 20131012637 4.3 | 4/12/2013 | | | |
| CHINA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PENDING | 20151061766 7.0 | 9/25/2015 | | | |
| EUROPEAN PATENT CONVENT | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 8871506.5 | 12/30/2008 | 2247348 | | |
| HONG KONG | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 13113983.7 | 12/17/2013 | | | |
| INDIA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 2669/KOLNP/ 2010 | 12/30/2008 | | | |
| ISRAEL | Method And Formulation For | ALLOWED | 206925 | 12/30/2008 | | | |

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|-------------|---|-----------|-----------------|------------|-----------------|---------|------------|
| | Neutralizing Toxic Chemicals And Materials | | | | | | |
| ISRAEL | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 240329 | 8/11/2015 | | | |
| ISRAEL | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 240332 | 8/11/2015 | | | |
| JAPAN | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ABANDONED | 2010-544304 | 12/30/2008 | 2011-511656 | | |
| JAPAN | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PENDING | TBD | | | | |
| SOUTH KOREA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | INACTIVE | 10-2010-7018020 | 12/30/2008 | 10-2010-0103872 | | |
| SOUTH KOREA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PENDING | 10-2013-7016374 | 6/24/2013 | | | |
| SOUTH KOREA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 10-2014-7025482 | 9/12/2014 | | | |
| SOUTH KOREA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 10-2015-7011751 | 5/4/2015 | | | |
| RUSSIA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | GRANTED | 2010134593 | 12/30/2008 | | 2495697 | 10/20/2013 |
| RUSSIA | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PENDING | 2013127598 | 5/24/2013 | | | |
| SINGAPORE | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ABANDONED | 201005209-0 | 12/30/2008 | | | |
| SINGAPORE | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 201108998-4 | 5/12/2011 | 177188 | | |
| UNITED | Method And | ABANDONED | 12/017,749 | 1/22/2008 | 2009- | | |

| | | | | | | | |
|---------------|---|-----------|-------------------|------------|----------------|--|--|
| STATES | Formulation For Neutralizing Toxic Chemicals And Materials | | | | 0187060 | | |
| UNITED STATES | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ABANDONED | 12/840,625 | 7/21/2010 | | | |
| UNITED STATES | Method And Formulation For Neutralizing Toxic Chemicals And Materials | ABANDONED | 13/284,465 | 10/28/2011 | | | |
| UNITED STATES | Method And Formulation For Neutralizing Toxic Chemicals And Materials | PUBLISHED | 13/920,416 | 6/18/2013 | | | |
| WIPO | Method And Formulation For Neutralizing Toxic Chemicals And Materials | CLOSED | PCT/US2008/088547 | 12/30/2008 | WO 2009-094098 | | |

Trademarks:

| Mark | Country | Filing Details |
|-------------|----------------|--|
| RSDECON | U.S. | <p>Reg. No. 3,538,972</p> <p>Registered on 11/25/2008</p> <p>Class 5: Topically applied medicated skin care preparations and lotions for neutralizing chemical agents and/or toxins; topically applied medicated skin care products for neutralizing chemical agents and/or toxins, namely, medicated sponges, medicated pre-moistened wipes, tissues, and towelettes, medicated bandages impregnated with pharmaceutical or therapeutic substance, medicated pads, medical plasters, medicated powders and medicated dressings for wounds, burns and surgery</p> <p>Owner: EZEM USA</p> |
| RSDL | U.S. | <p>Reg. No. 3,432,719</p> <p>Registered on 05/20/2008</p> <p>Class 5: topically applied skin preparation for neutralizing chemical agents and/or toxins</p> <p>Owner: EZEM USA</p> |
| RSDECON | CANADA | <p>Reg. No. TMA771,608</p> <p>Registered on 07/09/2010</p> <p>Goods: T apically applied medicated skin care preparations</p> |

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| | | <p>and lotions for neutralizing chemical agents and/or toxins; topically applied medicated skin care products for neutralizing chemical agents and/or toxins, namely, medicated sponges, medicated pre-moistened wipes, tissues, and towelettes, medicated bandages impregnated with pharmaceutical or therapeutic substance, medicated pads, medical plasters, medicated powders and medicated dressings for wounds, burns and surgery.</p> <p>Owner: EZEM USA</p> |
| RSDECON | CTM | <p>Reg. No. 5883228</p> <p>Registered on 02/20/2008</p> <p>Class 3: Topically applied skin care products, preparation and lotions for neutralizing chemical agents and/or toxins not for medical use</p> <p>Class 5: Topically applied skin care products, preparation and lotions for neutralizing chemical agents and/or toxins for medical use</p> <p>Class 10: Medical devices for neutralizing chemical agents and/or toxins.</p> <p>Owner: EZEM USA</p> |
| RSDL | AUSTRALIA | <p>Reg. No. 1055603</p> <p>Registered on 05/16/2005</p> <p>Class 5: Topically applied skin products for neutralizing chemical agents and/or toxins</p> <p>Owner: EZEM USA</p> |
| RSDL | CTM | <p>Reg. No. 4440871</p> <p>Registered on 09/22/2006</p> <p>Class 3: Topically applied skin product for neutralising chemical agents and/or toxins not for medical use.</p> <p>Class 5: Topically applied skin product for neutralising chemical agents and/or toxins for medical use.</p> <p>Owner: EZEM USA</p> |