

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5511969

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BATTELLE MEMORIAL INSTITUTE	04/02/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	BRACCO DIAGNOSTICS INC.	
<b>Street Address:</b>	259 PROSPECT PLAINS ROAD	
<b>Internal Address:</b>	BUILDING H	
<b>City:</b>	MONROE TOWNSHIP	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	08831	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
	<b>Application Number:</b>	62397022
	<b>Application Number:</b>	16334882
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(612)492-7077	
<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>	PAUL J. LAVANWAY, JR.	
<b>Address Line 1:</b>	200 SOUTH SIXTH STREET	
<b>Address Line 2:</b>	SUITE 4000	
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402	
<b>ATTORNEY DOCKET NUMBER:</b>	56782.2.1.2	
<b>NAME OF SUBMITTER:</b>	PAUL J. LAVANWAY, JR.	
<b>SIGNATURE:</b>	/Paul J. LaVanway, Jr./	
<b>DATE SIGNED:</b>	05/06/2019	
<b>Total Attachments: 3</b>		
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### ASSIGNMENT

This Assignment is made by Battelle Memorial Institute, an Ohio corporation having a place of business at 505 King Avenue, Columbus, OH 43201 ("Assignor") in favor of Bracco Diagnostics Inc., a Delaware corporation having a place of business at 259 Prospect Plains Road, Bldg. H, Monroe Twp., NJ 08831 ("Assignee").

WHEREAS, under the terms of a development agreement between Assignor and Assignee, employees of Assignor have worked on technology development for the benefit of Assignee;

WHEREAS, employees of Assignor have transferred rights in intellectual property developed during the course of their employment to Assignor; and

WHEREAS, under the terms of the development agreement between Assignor and Assignee, Assignor has assigned to Assignee certain intellectual property developed in the course of performing work on behalf of Assignee, and has further agreed to execute and deliver this Patent Assignment, for recording with governmental authorities including, but not limited to, the US Patent and Trademark Office;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Scheduled Patents, to each U.S. and foreign patent application and patent to which the Scheduled Patents claim priority, in whole or in part, and that claim priority, in whole or in part, to the Scheduled Patents, and to the inventions described or claimed the Scheduled Patents (the "Patents")
- (2) The entire right, title and interest to any United States or foreign patents that may issue with respect to the inventions described or claimed in the Patents;
- (3) The entire right, title and interest to any continuations, continuations-in-part, divisions, renewals, reissues, extensions, and substitutions of the Patents; and
- (4) The right to apply for patents based on the Patents in the U.S. and foreign countries in its own name and to claim any priority rights to which such applications are entitled under international conventions, treaties or otherwise; and
- (5) The right to enforce patent rights to the Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

Assignor further agrees for itself and for its successors and assigns to execute and deliver any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein at Assignee's sole cost and expense.

Assignor hereby authorizes and requests the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

We hereby authorize attorneys associated with Customer No. 22859, of Fredrikson & Byron, P.A., of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the application numbers, filing dates, and other identifying information on Schedule 1 when known.

This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Battelle Memorial Institute

Date: April 2, 2019

By: [Signature]  
Name: C. M. REGENHEIMER  
Title: CHIEF IP COUNSEL, ASSISTANT GENERAL COUNSEL

Subscribed to and sworn to before me this 2 day of April, 2019.

[Signature]

Notary Public

Notary Seal



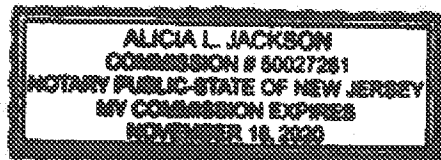
Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

Bracco Diagnostics Inc.

Date: April 23, 2019

By: [Signature]  
Name: Vito DeBari  
Title: Vice President & General Counsel

[Signature]



**SCHEDULE 1****US Patent Applications**

<b>Patent App. No.</b>	<b>Date Filed</b>	<b>Title</b>	<b>Attorney Docket No.</b>
62/397,022	9/20/2016	RADIOISOTOPE DELIVERY SYSTEM WITH MULTIPLE DETECTORS TO DETECT GAMMA AND BETA EMISSIONS	56782.2.1
16/334,882	3/20/2019	RADIOISOTOPE DELIVERY SYSTEM WITH MULTIPLE DETECTORS TO DETECT GAMMA AND BETA EMISSIONS	56782.2.1.2
62/397,025	9/20/2016	SHIELDING ASSEMBLY FOR A RADIOISOTOPE DELIVERY SYSTEM HAVING MULTIPLE RADIATION DETECTORS	56782.2.2
16/334,884	3/20/2019	SHIELDING ASSEMBLY FOR A RADIOISOTOPE DELIVERY SYSTEM HAVING MULTIPLE RADIATION DETECTORS	56782.2.2.2
62/397,026	9/20/2016	SYSTEMS AND TECHNIQUES FOR GENERATING, INFUSING, AND CONTROLLING RADIOISOTOPE DELIVERY	56782.2.3
16/334,887	3/20/2019	SYSTEMS AND TECHNIQUES FOR GENERATING, INFUSING, AND CONTROLLING RADIOISOTOPE DELIVERY	56782.2.3.2

**US Patents**

<b>Patent No.</b>	<b>Date Issued</b>	<b>Title</b>

**Foreign and International Patent Applications**

<b>Country</b>	<b>Patent App. No.</b>	<b>Date Filed</b>	<b>Title</b>	<b>Attorney Docket No.</b>
WO	PCT/US2017/052535	9/20/2017	RADIOISOTOPE DELIVERY SYSTEM WITH MULTIPLE DETECTORS TO DETECT GAMMA AND BETA EMISSIONS	56782.2.1.1
WO	PCT/US2017/052536	9/20/2017	SHIELDING ASSEMBLY FOR A RADIOISOTOPE DELIVERY SYSTEM HAVING MULTIPLE RADIATION DETECTORS	56782.2.2.1
WO	PCT/US2017/052537	9/20/2017	SYSTEMS AND TECHNIQUES FOR GENERATING, INFUSING, AND CONTROLLING RADIOISOTOPE DELIVERY	56782.2.3.1

**Foreign Patents**

<b>Country</b>	<b>Patent No.</b>	<b>Date of Issue</b>	<b>Title</b>

64988715.2