

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3665226

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN LOWE	12/16/2015
IRINA NAZARENKO	11/30/2015
SZYMON RUS	08/18/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QIAGEN GAITHERSBURG, INC.
<b>Street Address:</b>	1201 CLOPPER ROAD
<b>City:</b>	GAITHERSBURG
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20878
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13667674
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)640-6029
<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>	7039039000
<b>Email:</b>	ipparalegal@MilesStockbridge.com, mkamara@milesstockbridge.com
<b>Correspondent Name:</b>	MILES & STOCKBRIDGE P.C.
<b>Address Line 1:</b>	30 WEST PATRICK STREET
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<b>Address Line 4:</b>	FREDERICK, MARYLAND 21701
<b>ATTORNEY DOCKET NUMBER:</b>	2912943-094001
<b>NAME OF SUBMITTER:</b>	JOSEPH J. SCHULLER, PH.D.
<b>SIGNATURE:</b>	/Joseph J. Schuller/
<b>DATE SIGNED:</b>	12/18/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	
source=2015-12-18_Assignment declaration_Lowe_12162015#page1.tif	
source=2015-12-18_Assignment declaration_Lowe_12162015#page2.tif	

source=Substitute-Statement-Irina-Nazarenko\_13667674#page1.tif

source=Substitute-Statement-Irina-Nazarenko\_13667674#page2.tif

source=Szymon-Rus-Declaration-and-Assigment-Form\_13667674#page1.tif

source=Szymon-Rus-Declaration-and-Assigment-Form\_13667674#page2.tif

**ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)****ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, **Qiagen Gaithersburg, Inc.** of **1201 Clopper Road, Gaithersburg, MD 20878**, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

**DECLARATION**

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:  The attached application, or

United States Application or PCT International Application  
Number **13/667,674** filed on **November 2, 2012** (Confirmation No. **7643**).

The application is titled:

**MATERIALS AND METHOD FOR IMMOBILIZING, ISOLATING, AND CONCENTRATING CELLS USING CARBOXYLATED SURFACES**

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

**Authorization To Permit Access To Application by Participating Office**

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

**NAME OF SOLE OR FIRST INVENTOR:**

Given Name

(first and middle [if any])

**Brian**

Family Name or Surname

**LOWE**

Inventor's signature



Date

12/16/2015

Residence: 17717 Old Baltimore Road, Olney, MD 20832

Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878

**NAME OF SECOND INVENTOR:**

Given Name

(first and middle [if any])

**Irina**

Family Name or Surname

**NAZARENKO**

Inventor's signature

Date

Residence: 3 Rudis Way, Gaithersburg, MD 20878

Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878

**NAME OF THIRD INVENTOR:**

Given Name

(first and middle [if any])

**Szymon**

Family Name or Surname

**RUS**

Inventor's signature

Date

Residence: 3621 Newark St. NW, Washington D.C. 20016

Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY  
OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

Title of Invention	MATERIALS AND METHOD FOR IMMOBILIZING, ISOLATING, AND CONCENTRATING CELLS USING CARBOXYLATED SURFACES		
This statement is directed to:			
<input type="checkbox"/> The attached application.			
OR			
<input checked="" type="checkbox"/> United States application or PCT international application number <u>13667674</u> filed on <u>2012-11-02</u>			
<b>LEGAL NAME of inventor to whom this substitute statement applies:</b>			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Irina NAZARENKO			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
Gaithersburg	MD	USA	
Mailing Address (except for a deceased or legally incapacitated inventor):			
3 Rudis Way			
City	State	Zip	Country
Gaithersburg	MD	20878	USA
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only).			
<input checked="" type="checkbox"/> Assignee.			
<input type="checkbox"/> Person to whom the inventor is under an obligation to assign.			
<input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or			
<input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT**  
**REEL: 037326 FRAME: 0808**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT**

Circumstances permitting execution of this substitute statement:

- Inventor is deceased.
- Inventor is under legal incapacity.
- Inventor cannot be found or reached after diligent effort, or
- Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

Name: JANE SHERSHENOVICH

11/30/2015  
Date (Optional):Signature: *Jane Shershenovich*

Residence (unless provided in an application data sheet, PTO/SB/14 or equivalent):

City: Germantown

State: MD

Country: USA

Mailing Address (unless provided in an application data sheet, PTO/SB/14 or equivalent):

QIAGEN

City: Germantown

State: MD

Zip:

Country: USA

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

## ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, Qiagen Gaithersburg, Inc. of 1201 Clopper Road, Gaithersburg, MD 20878, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

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## DECLARATION

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In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

<b>NAME OF SOLE OR FIRST INVENTOR:</b>	
Given Name (first and middle [if any])	Brian
Family Name or Surname	LOWE
Inventor's signature	Date
Residence: 17717 Old Baltimore Road, Olney, MD 20832	
Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878	
<b>NAME OF SECOND INVENTOR:</b>	
Given Name (first and middle [if any])	Irina
Family Name or Surname	NAZARENKO
Inventor's signature	Date
Residence: 3 Rudis Way, Gaithersburg, MD 20878	
Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878	
<b>NAME OF THIRD INVENTOR:</b>	
Given Name (first and middle [if any])	Szymon
Family Name or Surname	RUS
Inventor's signature	Date 8/18/15
Residence: 40 Fairbanks Ct, Water Mill, NY 11976	
Mailing Address: c/o Qiagen Gaithersburg, Inc., 1201 Clopper Rd, Gaithersburg, MD 20878	