

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5518344

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEHRNAZ SARRAFZADEH	05/03/2019
GHOLAMREZA JAVAHERY	05/03/2019
CHARLES JOLLIFFE	05/03/2019
LISA COUSINS	05/07/2019
RECEIVING PARTY DATA	
Name:	PERKINELMER HEALTH SCIENCES CANADA, INC.
Street Address:	501 ROWNTREE DAIRY RD
City:	WOODBIDGE
State/Country:	CANADA
Postal Code:	L4L 8H1
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16408680
Application Number:	62673513
CORRESPONDENCE DATA	
Fax Number:	(540)380-8133
<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:	crhodes@rhodesip.com
Correspondent Name:	CHRISTOPHER RHODES
Address Line 1:	3090 ELECTRIC RD, STE F
Address Line 2:	RHODES IP PLC
Address Line 4:	ROANOKE, VIRGINIA 24018
ATTORNEY DOCKET NUMBER:	PKI-707910
NAME OF SUBMITTER:	CHRISTOPHER RHODES
SIGNATURE:	/Christopher R Rhodes/
DATE SIGNED:	05/10/2019
Total Attachments: 7	
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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, the undersigned, **MEHRNAZ SARRAFZADEH, GHOLAMREZA JAVAHERY, and CHARLES JOLLIFFE**, each hereby:

Sell, assign and transfer to **PERKINELMER HEALTH SCIENCES CANADA, INC.**, a corporation having a place of business at 501 Rowntree Dairy Rd, Woodbridge, ON L4L 8H1 Canada, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in:

(1) the application for United States Patent Application filed on May 10, 2019 as **U.S. Application No. 16/ 408,680**, which is entitled "**DISCHARGE CHAMBERS AND IONIZATION DEVICES, METHODS AND SYSTEMS USING THEM**" and bears Attorney Docket No. PKI-707910 (707919) (we each hereby authorize the Assignee or its counsel to fill in the serial number and filing date of this application once it is filed), which claims priority to U.S. Application No. 62/673,513 filed on May 18, 2018;

and in and to said applications and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and internationally and in foreign countries on any of said inventions disclosed in said applications (hereafter collectively the "Applications"), and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions in said Applications including the right to apply for patent rights in each foreign country and all rights to priority, and further including any right to sue for past infringement;

Acknowledge, affirm and agree that if my interests have already been transferred by operation of law or by agreement, e.g., employment agreement, with said Assignee that said Assignee is the owner of 100% interest in and to said Applications and is the real party in interest in and to said Applications;

Agree that, prior to filing said Applications referenced herein, said Assignee was specifically entitled to apply for and claim priority to said Applications referenced herein and was entitled to apply for and claim priority to any PCT application or foreign equivalents that claim priority to said Applications referenced herein;

Agree that said Assignee may apply for and receive Letters Patent for said inventions described in said Applications in its own name, and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, declarations, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating

to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all Applications for patents and all patents on said inventions, in said Assignee;

Agree that the Assignee may grant the USPTO and the International Bureau, but is not required to grant the USPTO or the International Bureau, 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 Applications, access to the Applications;

Agree and acknowledge that: (i) the Assignee is the real party in interest for said Applications and has a sufficient proprietary interest under 35 U.S.C. §§ 115 and 118 in said Applications to make an application for patent on behalf of and as an agent for me, (ii) the Assignee has the right, but is not required, to file a Substitute Statement under 35 U.S.C. § 115, and (iii) the Assignee may make such patent applications as necessary and determined solely by the Assignee to preserve the rights of the parties;

Agree and acknowledge that I am an original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention claimed and/or described in said Applications and agree that said Applications were made by me or the Assignee or were authorized to be made by me or the Assignee;

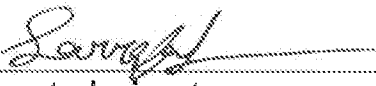
Declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon;

Acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both; and

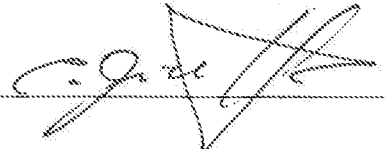
Acknowledge the duty to disclose information which is material to the patentability of said Applications in accordance with Title 37, Code of Federal Regulations, §1.56;

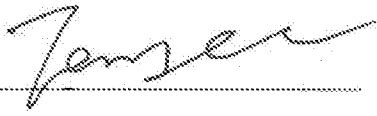
Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and


Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

 May 3rd, 2019
Inventor's signature Date

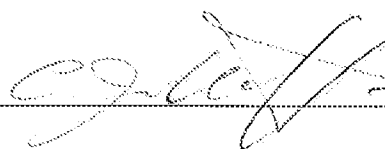
Full name of first or joint inventor: Mehraz Sarrafzadeh
Residence: 805 - 720 Spadina Ave.
Post Office Address: R.R.#1 Toronto, Ontario M5S 2T9
Canada

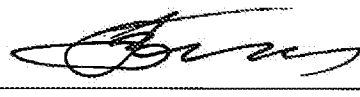
Witness #1:  3 MAY 2019
Date
C. Jolliffe
Printed Name

Witness #2:  3 May 2019
Date
Feng Qin
Printed Name

 May 3/2019
Inventor's signature Date

Full name of first or joint inventor: Gholamreza Javahery
Residence: 4660 Lloydtown-Aurora Road
Post Office Address: R.R.#2, Kettleby Ontario L0G 1J0
Canada

Witness #1:  3 MAY 2019
Date
C. Jolliffe
Printed Name

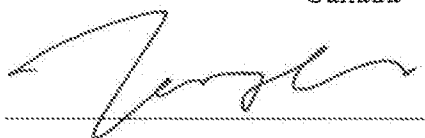
Witness #2:  May 3, 2019
Date
V. Titov
Printed Name


.....

Inventor's signature

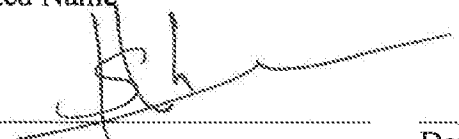
Date 3 MAY 2019

Full name of first or joint inventor: Charles Jolliffe
Residence: 93 Centre Street
Post Office Address: R.R. #3 Schomberg Ontario L0G 1T0
Canada

Witness #1: 
.....

Date 3 May. 2019

Ferg Q:n.
.....
Printed Name

Witness #2: 
.....

Date 3/MAY/2019

HARIKRISHNAN SUKUMAR
.....
Printed Name

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, **LISA COUSINS**, hereby:

Sell, assign and transfer to **PERKINELMER HEALTH SCIENCES CANADA, INC.**, a corporation having a place of business at 501 Rowntree Dairy Rd, Woodbridge, ON L4L 8H1 Canada, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in each of:

(1) the application for United States Patent Application filed on May 10, 2019 as **U.S. Application No. 16/408,680**, which is entitled **“DISCHARGE CHAMBERS AND IONIZATION DEVICES, METHODS AND SYSTEMS USING THEM”** and bears Attorney Docket No. PKI-707910 (I hereby authorize the Assignee or its counsel to fill in the serial number and filing date of this application once it is filed), which claims priority to U.S. Application No. 62/673,513 filed on May 18, 2018;

and to said applications and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and internationally and in foreign countries on any of said inventions disclosed in said applications (hereafter collectively the “Applications”), and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions in said Applications including the right to apply for patent rights in each foreign country and all rights to priority, and further including any right to sue for past infringement;

Acknowledge, affirm and agree that if my interests have already been transferred by operation of law or by agreement, e.g., employment agreement, with said Assignee that said Assignee is the owner of 100% interest in and to said Applications and is the real party in interest in and to said Applications;

Agree that, prior to filing said Applications referenced herein, said Assignee was specifically entitled to apply for and claim priority to said Applications referenced herein and was entitled to apply for and claim priority to any PCT application or foreign equivalents that claim priority to said Applications referenced herein;

Agree that said Assignee may apply for and receive Letters Patent for said inventions described in said Applications in its own name, and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, declarations, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible

which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all Applications for patents and all patents on said inventions, in said Assignee;

Agree that the Assignee may grant the USPTO and the International Bureau, but is not required to grant the USPTO or the International Bureau, 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 Applications, access to the Applications;

Agree and acknowledge that: (i) the Assignee is the real party in interest for said Applications and has a sufficient proprietary interest under 35 U.S.C. §§ 115 and 118 in said Applications to make an application for patent on behalf of and as an agent for me, (ii) the Assignee has the right, but is not required, to file a Substitute Statement under 35 U.S.C. § 115, and (iii) the Assignee may make such patent applications as necessary and determined solely by the Assignee to preserve the rights of the parties;

Agree and acknowledge that I am an original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention claimed and/or described in said Applications and agree that said Applications were made by me or the Assignee or were authorized to be made by me or the Assignee;

Hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon;

Hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both; and

Acknowledge the duty to disclose information which is material to the patentability of said Applications in accordance with Title 37, Code of Federal Regulations, §1.56;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Lisa Cousins

May 7 2019

Date

Lisa Cousins

Lisa Cousins

4 Fontebella Avenue // Dry Brook Trail
Woodbridge, ON L4H 2A8 Canada Hudson, VT
8905

Witness #1:

Carolyn Glaser

May 7 2019

Date

Carolyn Glaser

Printed Name

Witness #2:

John Glaser

May 7 2019

Date

John Glaser

Printed Name