

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4160291

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KIARASH EMAMI	01/13/2016
STEPHEN KADLECEK	12/17/2015
RAHIM R. RIZI	12/17/2015
MASARU ISHII	02/26/2016
HOOMAN HAMEDANI	12/17/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
<b>Street Address:</b>	3160 CHESTNUT STREET
<b>Internal Address:</b>	SUITE 200
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	61642806
Application Number:	14527369
PCT Number:	US1339531
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)408-2501
<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>	2124082500
<b>Email:</b>	NYDOCKET@BAKERBOTTSCOM
<b>Correspondent Name:</b>	PAUL A. RAGUSA/BAKER BOTTSCOM
<b>Address Line 1:</b>	30 ROCKEFELLER PLAZA
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10112
<b>ATTORNEY DOCKET NUMBER:</b>	081406.0191
<b>NAME OF SUBMITTER:</b>	PAUL A. RAGUSA
<b>SIGNATURE:</b>	/PAUL A. RAGUSA/

<b>DATE SIGNED:</b>	11/29/2016
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**Total Attachments: 7**

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## WORLDWIDE ASSIGNMENT

WHEREAS, **Kiarash Emami**, a citizen of U.S., and whose post office address is 2191 Woodland Rd., Abington, PA 19001; **Stephen J. Kadlecck**, a citizen of U.S., and whose post office address is 8514 Ardleigh St., Philadelphia, PA 19118; **Rahim R. Rizi**, a citizen of U.S., and whose post office address is 1560 Bardsey Dr., Ambler PA 19002; **Masaru Ishii**, a citizen of U.S., and whose post office address is 1603 Copper Gate Ct, Bel Air, Maryland 21015; **Hooman Hamedani**, a citizen of Iran, and whose post office address is 2200 Benjamin Franklin Pkwy, Apt. S1803, Philadelphia, PA 19130 (hereinafter referred to as "ASSIGNORS"); invented a new invention as disclosed in a patent application entitled "**SYSTEM FOR DELIVERY OF GASEOUS IMAGING CONTRAST AGENTS AND METHODS FOR USING SAME**" identified by Attorney Docket No. 081406.0191; which;

- is being filed concurrently with the recordation of this Assignment.
- the Provisional Application was filed on May 4, 2012 as Application No. 61/642,806;
- the PCT Application was filed on May 3, 2013 as Application No: PCT/US13/039531;
- the Non-Provisional Application was filed on October 29, 2014 as Application No. 14/527,369;

WHEREAS, **The Trustees Of The University Of Pennsylvania**, a corporation organized and existing under the laws of Pennsylvania, having its principal place of business at **3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104** (hereinafter referred to as "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention and said United States provisional application or said application for United States Letters Patent, as the case may be, and said invention in all applications claiming priority thereto or converted therefrom, and all divisions, renewals, continuations and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority

rights derived from said applications above under the Patent Laws of the United States, the International Convention 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 forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

ASSIGNORS hereby covenant and agree that ASSIGNORS have full right to convey the entire right, title and interest herein assigned, that such right, title and interest is unencumbered, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, legal representatives and assigns;

ASSIGNORS further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination, foreign applications or other such Letters Patent, make all rightful oaths, and generally do everything possible to aid ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;


ASSIGNORS hereby authorize ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of January, 2016.

  
Kiarash Emami

STATE OF NC )  
                                  :SS:  
COUNTY OF DURHAM )

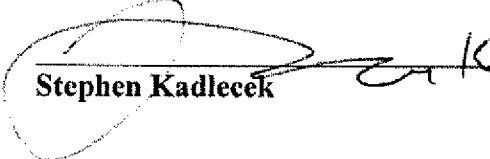
BE IT KNOWN, that on this 13 day of JAN, 2016, before me personally came, **Kiarash Emami** to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 13 day of JAN, 2016.

  
\_\_\_\_\_  
Notary Public

A IVAN GOODSON  
NOTARY PUBLIC  
WAKE COUNTY, NC  
My Commission Expires 3-7-2017

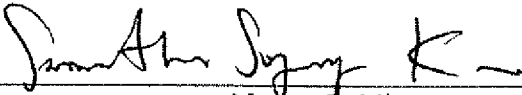
A IVAN GOODSON  
NOTARY PUBLIC  
WAKE COUNTY, NC  
My Commission Expires 3-7-2017

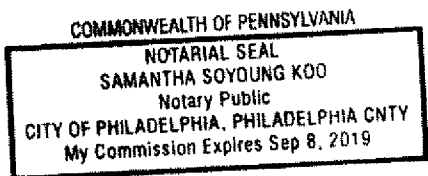
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17<sup>th</sup> day of December, 2015.

  
\_\_\_\_\_  
**Stephen Kadlecek**

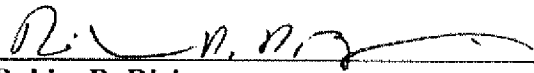
STATE OF Pennsylvania  
:SS:  
COUNTY OF Philadelphia

BE IT KNOWN, that on this 17 day of December, 2015, before me personally came, **Stephen Kadlecek** to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.  
SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 17 day of December, 2015.

  
\_\_\_\_\_  
Notary Public

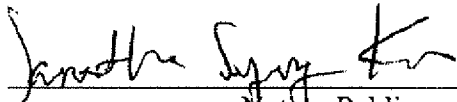


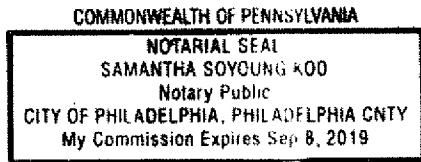
IN WITNESS WHEREOF, I have hereunto set my hand and seal this Dec 17 day of 2015.

  
Rahim R. Rizi

STATE OF Pennsylvania  
:SS:  
COUNTY OF Philadelphia

BE IT KNOWN, that on this 17 day of December, 2015, before me personally came, **Rahim R. Rizi** to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 17 day of December, 2015.

  
Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 26<sup>th</sup> day of February, 2016.

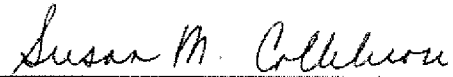


**Masaru Ishii**

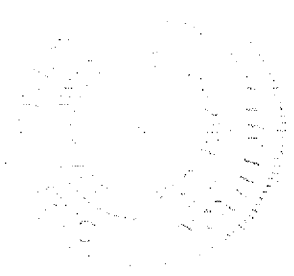
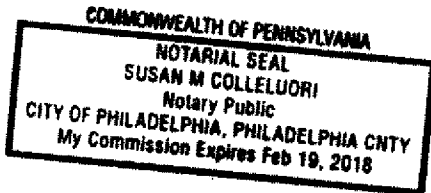
STATE OF Pennsylvania

:SS:  
COUNTY OF Philadelphia

BE IT KNOWN, that on this 26<sup>th</sup> day of February, 2016, before me personally came, **Masaru Ishii** to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned. SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 26<sup>th</sup> day of February, 2016.



Notary Public





IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17<sup>th</sup> day of December, 2015.



**Hooman Hamedani**


STATE OF Pennsylvania

:SS:

COUNTY OF Philadelphia

BE IT KNOWN, that on this 17 day of December, 2015, before me personally came, **Hooman Hamedani** to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

SUBSCRIBED AND SWORN before me, the undersigned authority, by on this 17 day of December, 2015.



Notary Public

