# 503389416 07/13/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

ion v1.1 EPAS ID: PAT3436041

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
ALI DANESHKHAH	07/10/2015
KHODADAD VARAHRAMYAN	07/07/2015
SUDHIR SHRESTHA	07/02/2015
MANGILAL AGARWAL	07/07/2015

# **RECEIVING PARTY DATA**

Name:	Indiana University Research & Technology Corporation
Street Address:	351 W. 10th Street
City:	Indianapolis
State/Country:	INDIANA
Postal Code:	46202

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14685231

# **CORRESPONDENCE DATA**

**Fax Number:** (317)274-5902

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.

Email: tinlwils@iu.edu

Correspondent Name: TINA WILSON

Address Line 1: 351 W. 10TH STREET

Address Line 4: INDIANAPOLIS, INDIANA 46202

ATTORNEY DOCKET NUMBER:	2014-007-03
NAME OF SUBMITTER:	TINA WILSON
SIGNATURE:	/Tina Wilson/
DATE SIGNED:	07/13/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

# **Total Attachments: 8**

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PATENT 503389416 REEL: 036070 FRAME: 0730

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PATENT REEL: 036070 FRAME: 0731

### COMBINED DECLARATION AND ASSIGNMENT

#### DECLARATION

Whereas, I, Ali Daneshkhah (INVENTOR), hereby declare that this Declaration is directed toward the attached US Patent Application No. 14/685,231; filed April 13-2015.

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

I believe that I am an original inventor or an original joint inventor of the subject matter that is claimed in the patent application.

I 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.

## **ASSIGNMENT**

Whereas, I. Ali Daneshkhah (ASSIGNOR), have an interest in an invention entitled: Volatile Organic Compound Sensors, and Methods of Making and Using the Same, which is the subject of a US Patent Application that names the undersigned as an inventor in:

US Patent Application No. 14/685,231; filed April 13-2015.

Indiana University Research and Technology Corporation, an Indiana corporation having its principal office at 351 West 10<sup>th</sup> Street, Indianapolis, IN 46202 (ASSIGNEE), desires to acquire ASSIGNOR'S interest in the invention.

ASSIGNOR acknowledges receipt and adequacy of good and valuable consideration in exchange for this Assignment and hereby assigns to ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in the patent application listed above, in the United States and all foreign countries, including the right to all continuations, divisions, inter partes reviews, post-grant reviews, reexaminations, reissues, supplemental examinations, substitutes and extensions thereof, as well as to claim priority under the laws of the United States, the Paris Convention, the Patent Cooperation Treaty and any foreign countries, for the full term of the patent, the same as if held by ASSIGNOR had this assignment not been made. This assignment includes the assignment of the right to recover for past infringements of, or liabilities for, any of the rights related to the patent application resulting from the invention.

ASSIGNOR covenants and agrees to cooperate with ASSIGNEE and execute all instruments or documents requested for the making and prosecuting of any applications of any type for patent in the United States and in all foreign countries including, but not limited to the following: provisional, continuation, continuation-in-part, divisional, inter-partes review, post-grant review, renewal, reissue, reexamination, substitutes or extension. ASSIGNOR convents and agrees to cooperate with ASSIGNEE in any interference, post-grant opposition or litigation regarding the invention, patents or patent applications regarding the invention, including testifying for the benefit of ASSIGNEE without further or other compensation than that provided in this Assignment.

PATENT

REEL: 036070 FRAME: 0732

IURTC Docket No. 2014-007-03 Application No. 14/685,231

ASSIGNOR covenants that no assignment, sale or agreement or encumbrance has been or will be entered into that would conflict with this Assignment.

ASSIGNOR requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to ASSIGNEE, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

IN WITNESS WHEREOF, ASSIGNOR executed this As	signment at
Indiana Polis, Indiana this 10	
(City, State or Country if outside US)	
J4/4 10 2015	
Ali Daneshkhah	
INVENTOR/ASSIGNOR	
ACKNOWLED	SEMENT
On this	who acknowledged to me that they executed the
same of their own free will for the purpose therein set fo	rth.
Notary Public WY TU Son	
Printed Name	Commence of the Commence of th
County of	TINA L. WILSON Hendricks County
State of	* My Commission Expires
My Commission Expires	April 14, 2020

IURTC Docket No. 2014-007-03 Application No. 14/685,231

# COMBINED DECLARATION AND ASSIGNMENT

#### DECLARATION

Whereas, I, **Khodadad Varahramyan** (INVENTOR), hereby declare that this Declaration is directed toward the attached US Patent Application No. 14/685,231; filed April 13-2015.

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

I believe that I am an original inventor or an original joint inventor of the subject matter that is claimed in the patent application.

I 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.

#### ASSIGNMENT

Whereas, I, **Khodadad Varahramyan** (ASSIGNOR), have an interest in an invention entitled: Volatile Organic Compound Sensors, and Methods of Making and Using the Same, which is the subject of a US Patent Application that names the undersigned as an inventor in:

☑ US Patent Application No. 14/685,231; filed April 13-2015.

Indiana University Research and Technology Corporation, an Indiana corporation having its principal office at 351 West 10<sup>th</sup> Street, Indianapolis, IN 46202 (ASSIGNEE), desires to acquire ASSIGNOR'S interest in the invention.

ASSIGNOR acknowledges receipt and adequacy of good and valuable consideration in exchange for this Assignment and hereby assigns to ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in the patent application listed above, in the United States and all foreign countries, including the right to all continuations, divisions, inter partes reviews, post-grant reviews, reexaminations, reissues, supplemental examinations, substitutes and extensions thereof, as well as to claim priority under the laws of the United States, the Paris Convention, the Patent Cooperation Treaty and any foreign countries, for the full term of the patent, the same as if held by ASSIGNOR had this assignment not been made. This assignment includes the assignment of the right to recover for past infringements of, or liabilities for, any of the rights related to the patent application resulting from the invention.

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1

PATENT REEL: 036070 FRAME: 0734

IURTC Docket No. 2014-007-03 Application No. 14/685,231

ASSIGNOR covenants that no assignment, sale or agreement or encumbrance has been or will be entered into that would conflict with this Assignment.

ASSIGNOR requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to ASSIGNEE, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

IN WITNESS WHEREOF, ASSIGNOR executed this Assignment at
this 7 day of July, 2015.
(City, State or Country if outside US)
(M//w)
Khodadad Varahramyan
INVENTOR/ASSIGNOR
ACKNOWLEDGEMENT
1 th - 1
On this $\frac{7}{2}$ day of $\frac{3}{2}$ day of $\frac{3}{2}$ , 2015, before me personally appeared the foregoing
individual, who executed the foregoing instrument and who acknowledged to me that they executed the
same of their own free will for the purpose therein set forth.
An a man and
Notary Public Dalada Mexedity
Printed Name Brenda Mereditz
County of Marion
State of Indiana
My Commission Expires $Oct 19 2017$

#### COMBINED DECLARATION AND ASSIGNMENT

#### DECLARATION

Whereas, I, Sudhir Shrestha (INVENTOR), hereby declare that this Declaration is directed toward the attached US Patent Application No. 14/685,231; filed April 13-2015.

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

I believe that I am an original inventor or an original joint inventor of the subject matter that is claimed in the patent application.

I 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.

### **ASSIGNMENT**

Whereas, I, Sudhir Shrestha (ASSIGNOR), have an interest in an invention entitled: Volatile Organic Compound Sensors, and Methods of Making and Using the Same, which is the subject of a US Patent Application that names the undersigned as an inventor in:

☑ US Patent Application No. 14/685,231; filed April 13-2015.

Indiana University Research and Technology Corporation, an Indiana corporation having its principal office at 351 West 10<sup>th</sup> Street, Indianapolis, IN 46202 (ASSIGNEE), desires to acquire ASSIGNOR'S interest in the invention.

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1

PATENT REEL: 036070 FRAME: 0736 ASSIGNOR covenants that no assignment, sale or agreement or encumbrance has been or will be entered into that would conflict with this Assignment.

ASSIGNOR requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to ASSIGNEE, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

IN WITNESS WHEREOF, ASSIGNOR executed this	
Indimabolis, IN this 2	2 day of <u>) 4/4</u> , 2015.
(City, State or Country if outside US)	
Sudh	CYNTHIA IRENE PACHECO Notary Public - Seal
Sudhir Shrestha	State of Indiana
INVENTOR/ASSIGNOR	Hendricks County My Commission Expires Sep 25, 2021
ACKNOWLE	EDGEMENT
On this $\frac{\lambda^{\eta i l}}{\lambda^{\eta i l}}$ day of $\frac{\lambda^{\eta i l}}{\lambda^{\eta i l}}$ individual, who executed the foregoing instrument a same of their own free will for the purpose therein set	•
Notary Public MMIA MM Valhery Printed Name Mnihing Thene Pathery County of Marricks	
State of Tradition is	
My Commission Expires Sep 35,303	

### COMBINED DECLARATION AND ASSIGNMENT

# DECLARATION

M.L. A/7

Whereas, I, Mangilal Agarwal (INVENTOR), hereby declare that this Declaration is directed toward the attached US Patent Application No. 14/685,231; filed April 13-2015.

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

I believe that I am an original inventor or an original joint inventor of the subject matter that is claimed in the patent application.

I 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.

#### **ASSIGNMENT**

Whereas, I, **Mangilal Agarwal** (ASSIGNOR), have an interest in an invention entitled: Volatile Organic Compound Sensors, and Methods of Making and Using the Same, which is the subject of a US Patent Application that names the undersigned as an inventor in:

US Patent Application No. 14/685,231; filed April 13-2015.

**Indiana University Research and Technology Corporation**, an Indiana corporation having its principal office at 351 West 10<sup>th</sup> Street, Indianapolis, IN 46202 (ASSIGNEE), desires to acquire ASSIGNOR'S interest in the invention.

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1

ASSIGNOR covenants that no assignment, sale or agreement or encumbrance has been or will be entered into that would conflict with this Assignment.

ASSIGNOR requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to ASSIGNEE, and requests that any official of a patent office in any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications, issue said Letters Patent, Utility Model Registration or Inventor's Certificate to ASSIGNEE.

IN WITNESS WHEREOF, ASSIGNOR executed this As	
Indianapolis Indiana this July	day of, 2015.
(City, State or Country if outside US)	•
M.L. Almund	
Mangilal Agarwal	
INVENTOR/ASSIGNOR	
ACKNOWLED	GEMENT
individual, who executed the toregoing instrument and	
same of their own free will for the purpose therein set for	rth.
Notary Public Hey Steplon	
Printed Name Stacy Lettore	STACY LEFLORE
County of Mori in	Notary Public- Seal State of Indiana
State of Indiana	My Commission Expires Jun 29, 2018
My Commission Evniros CALAR 29, 0018	