

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3872950

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WILLIAM ALBERT CHALLENGER	05/11/2016
SABARNI PALIT	05/11/2016
JASON HARRIS KARP	05/10/2016
ANSAS MATTHIAS KASTEN	05/12/2016
NILOY CHOUDHURY	05/11/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GENERAL ELECTRIC COMPANY
<b>Street Address:</b>	1 RIVER ROAD
<b>City:</b>	SCHENECTADY
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	12345
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15154509
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)944-6712
<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>	518-387-7724
<b>Email:</b>	gpodckt.mail@ge.com
<b>Correspondent Name:</b>	GENERAL ELECTRIC COMPANY GLOBAL RESEARCH
<b>Address Line 1:</b>	ONE RESEARCH CIRCLE
<b>Address Line 2:</b>	BLDG. K1-3A59
<b>Address Line 4:</b>	NISKAYUNA, NEW YORK 12309
<b>ATTORNEY DOCKET NUMBER:</b>	287231-1US (551-0212US1)
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER R. CARROLL
<b>SIGNATURE:</b>	/Christopher R. Carroll/
<b>DATE SIGNED:</b>	05/13/2016
<b>Total Attachments: 7</b>	

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**COMBINED DECLARATION AND GLOBAL ASSIGNMENT  
FOR UTILITY OR DESIGN PATENT APPLICATION**

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

**DISTRIBUTED GAS DETECTION SYSTEM AND METHOD**

- the specification of which is attached hereto OR
- United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_, as amended on [date] (if applicable).  
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.)

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

We believe that we are original joint inventors of a claimed invention in the application.

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

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
William	Albert	Challener	of	Glenville	NY	US
Sabarni		Palit	of	Niskayuna	NY	US
Jason	Harris	Karp	of	Niskayuna	NY	US
Ansas	Matthias	Kasten	of	Niskayuna	NY	US
Niloy		Choudhury	of	Glenville	NY	US

hereby sell and assign to:

Name of Company: <i>General Electric Company</i>
Entity Type (optional): <i>New York corporation</i>
Address: <i>1 River Road, Schenectady, New York 12345 USA</i>

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

**INVENTOR 1**

Signature: William A. Challenger  
**WILLIAM ALBERT CHALLENGER**

Date: 5/11/2016

Witnessed by: [Signature]  
Signature

Date: 5/11/2016

SACHIN DEKATE  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 5/11/2016

RENATO GUIDA  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
**WILLIAM ALBERT CHALLENGER**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **WILLIAM ALBERT CHALLENGER** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

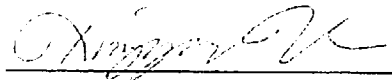
Seal

\_\_\_\_\_  
(Notary Public)

**INVENTOR 2**


Signature:   
**SABARNI PALIT**

Date: May 11, 2016

Witnessed by:   
Signature

Date: May 11, 2016

XINGGUANG ZHU  
Printed Name of Witness

Witnessed by:   
Signature

Date: 5/11/2016

SACHIN DEKATE  
Printed Name of Witness

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\_\_\_\_\_  
**SABARNI PALIT**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **SABARNI PALIT** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 3

Signature: *JH Karp*  
JASON HARRIS KARP

Date: 5/10/16

Witnessed by: *JG*  
Signature

Date: 5/10/16

Justin Gambone  
Printed Name of Witness

Witnessed by: *Russell Dennison*  
Signature

Date: 5/10/16

Russell Dennison  
Printed Name of Witness

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\_\_\_\_\_  
JASON HARRIS KARP

Date: \_\_\_\_\_

STATE OF

ss.


COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **JASON HARRIS KARP** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

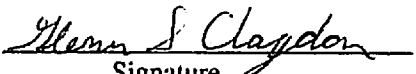
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\_\_\_\_\_  
(Notary Public)

**INVENTOR 4**

Signature:   
**ANSAS MATTHIAS KASTEN**

Date: 05-12-2016

Witnessed by:   
Signature

Date: 05-12-2016

Glenn S Claydon  
Printed Name of Witness

Witnessed by:   
Signature

Date: 05-12-2016

AVINASH KASHYAP  
Printed Name of Witness

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\_\_\_\_\_  
**ANSAS MATTHIAS KASTEN**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **ANSAS MATTHIAS KASTEN** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)



INVENTOR 5

Signature: *Niloj Choudhury*  
NILOY CHOUDHURY

Date: 5/11/2016

Witnessed by: *AM*  
Signature

Date: May 11, 2016

ARON KNOBLOCH  
Printed Name of Witness

Witnessed by: *Victor M Torres*  
Signature

Date: 5/11/2016

VICTOR M TORRES  
Printed Name of Witness

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\_\_\_\_\_  
NILOY CHOUDHURY

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **NILOY CHOUDHURY** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)