

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

EPAS ID: PAT2870927

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THIRD ASSIGNOR'S FIRST NAME previously recorded on Reel 032869 Frame 0375. Assignor(s) hereby confirms the THIRD ASSIGNOR'S FIRST NAME IS "SHOTAROU".
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OSAMU NAKASONE	04/15/2014
SATOSHI NISHIKAWA	04/15/2014
SHOTAROU NIIZUMA	04/15/2014
NORIKO HIRATA	04/15/2014
YUKI NAKAYAMA	04/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NGK INSULATORS, LTD.
<b>Street Address:</b>	2-56, SUDA-CHO, MIZUHO-KU
<b>City:</b>	NAGOYA-SHI, AICHI-KEN
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	467-8530
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14274994
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(315)233-8320
<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>	(315) 233-8300
<b>Email:</b>	lvanantwerp@burrandbrown.com
<b>Correspondent Name:</b>	STEPHEN P. BURR
<b>Address Line 1:</b>	BURR & BROWN, PLLC
<b>Address Line 2:</b>	P.O. BOX 7068
<b>Address Line 4:</b>	SYRACUSE, NEW YORK 13261-7068
<b>ATTORNEY DOCKET NUMBER:</b>	888_108
<b>NAME OF SUBMITTER:</b>	STEPHEN P. BURR
<b>SIGNATURE:</b>	/SPBurr/
<b>DATE SIGNED:</b>	05/27/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	

**PATENT**

**Total Attachments: 5**

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2851156

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OSAMU NAKASONE	04/15/2014
SATOSHI NISHIKAWA	04/15/2014
SHOUTAROU NIIZUMA	04/15/2014
NORIKO HIRATA	04/15/2014
YUKI NAKAYAMA	04/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NGK INSULATORS, LTD.
<b>Street Address:</b>	2-56, SUDA-CHO, MIZUHO-KU
<b>City:</b>	NAGOYA-SHI, AICHI-KEN
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	467-8530
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14274994
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(315)233-8320
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(315) 233-8300
<b>Email:</b>	ivanantwerp@burrandbrown.com
<b>Correspondent Name:</b>	STEPHEN P. BURR
<b>Address Line 1:</b>	BURR & BROWN, PLLC
<b>Address Line 2:</b>	P.O. BOX 7068
<b>Address Line 4:</b>	SYRACUSE, NEW YORK 13261-7068
<b>ATTORNEY DOCKET NUMBER:</b>	888_108
<b>NAME OF SUBMITTER:</b>	STEPHEN P. BURR
<b>SIGNATURE:</b>	/SPBurr/
<b>DATE SIGNED:</b>	05/12/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	

PATENT

REEL: 033025 FRAME: 0987

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET, AND ASSIGNMENT	
Title of Invention: 発明の名称 :	HYDROCARBON GAS SENSOR
As the below named inventor, I hereby declare that:  This declaration is directed to:  <input checked="" type="checkbox"/> The attached application, or  <input type="checkbox"/> United States application or PCT International Application Number _____ filed on _____  The above identified application was made or 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 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.	私は、以下に記名された発明者として、ここに下記の通り宣言する：  本宣言は以下に対するものである：  <input type="checkbox"/> 添付願書または  <input type="checkbox"/> _____の日に提出された米国出願番号または PCT 国際出願番号 _____の出願書。  上記の特定の出願は私または私の承認によって行われたものである。  私は出願書において特許請求している発明の最初の発明者または最初の共同発明者であると信じている。  私は本宣言における故意の虚偽の記載は米国法典第 18 編第 1001 条に基づき、罰金または五（５）年以下の懲役、もしくはその両方によって処罰されることがあることを承認する。
<b>ASSIGNMENT:</b> In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to	譲渡証: 各々の署名人に対して支払われた総額 1 ドル (\$ 1.00) および他の適切な有価約因を考慮して、本署名人（ら）は、
Name of Assignee: 譲受人の名前:  Address of Assignee: 譲受人のアドレス:	NGK INSULATORS, LTD.  2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi 4678530, Japan
(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor for which the undersigned have executed an application	(以下、譲受人と称する)に対して、譲渡に同意し、本発明および特許のための全ての出願、署名人がアメリカ合衆国において特許出願を行い付与された全ての特許証における、アメリカ合衆国ならびにその領土、属領、財産のための全ての権利、所有権、および利権を譲受人に移転および譲渡する。

13P00057US01/138-13001US11

for patent in the United States of America.

Legal Name of Inventor/Assignor Osamu NAKASONE

発明者/譲渡人の氏名

Inventor/Assignor: Osamu Nakasone Date: April 15, 2014

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

Legal Name of Inventor/Assignor Satoshi NISHIKAWA

発明者/譲渡人の氏名

Inventor/Assignor: Satoshi Nishikawa Date: April 15, 2014

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

Legal Name of Inventor/Assignor Shotarou NIIZUMA

発明者/譲渡人の氏名

Inventor/Assignor: Shotarou Niizuma Date: April 15, 2014

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

Legal Name of Inventor/Assignor Noriko HIRATA

発明者/譲渡人の氏名

Inventor/Assignor: Noriko Hirata Date: April 15, 2014

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

Legal Name of Inventor/Assignor Yuki NAKAYAMA

発明者/譲渡人の氏名

Inventor/Assignor: Yuki Nakayama Date: April 15, 2014

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

Legal Name of Inventor/Assignor

発明者/譲渡人の氏名

Inventor/Assignor: \_\_\_\_\_ Date: \_\_\_\_\_

発明者/譲渡人: \_\_\_\_\_ 日付: \_\_\_\_\_

13P00057US01/138-13001US11