PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TYPING ERROR OF THE DATE SIGNED BY HIRONORI SAKAKIBARA previously recorded on Reel 038637 Frame 0681. Assignor(s) hereby confirms the 2016.4.29.

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI HINO	05/09/2016
MIKA MURAKAMI	05/09/2016
KOICHI MASUDA	05/09/2016
HIRONORI SAKAKIBARA	04/29/2016

RECEIVING PARTY DATA

Name:	NGK INSULATORS, LTD.
Street Address:	2-56, SUDA-CHO, MIZUHO-KU,
City:	NAGOYA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	467-8530

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15074311

CORRESPONDENCE DATA

Fax Number: (202)293-0445

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.

Phone: 2022930444

Email: mailpto@giplaw.com

Correspondent Name: GLOBAL IP COUNSELORS, LLP

Address Line 1: 1233 20TH STREET, N.W., SUITE 600,

Address Line 4: WASHINGOTON, D.C. 20036

	<u> </u>	
ATTORNEY DOCKET NUMBER:	NG-US165203	
NAME OF SUBMITTER:	JEFFREY J. HOWELL	
SIGNATURE:	/Jeffrey J. Howell/	
DATE SIGNED:	05/25/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
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Total Attachments: 3

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI HINO	05/09/2016
MIKA MURAKAMI	05/09/2016
KOICHI MASUDA	05/09/2016
HIRONORI SAKAKIBARA	04/29/2015

RECEIVING PARTY DATA

Name:	NGK INSULATORS, LTD.
Street Address:	2-56, SUDA-CHO, MIZUHO-KU
City:	NAGOYA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	467-8530

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15074311

CORRESPONDENCE DATA

Fax Number:

(202)293-0445

Phone:

2022930444

PATENT 5/18/2016 5:02 PM REEL: 038810 FRAME: 0263

Email: mailpto@giplaw.com 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. Correspondent Name: GLOBAL IP COUNSELORS, LLP DAVID TARNOFF Address Line 1: 1233 20TH STREET, NW Address Line 2: SUITE 600 Address Line 4: WASHINGTON, D.C. 20036-2680	
ATTORNEY DOCKET NUMBER: NG-US165203	
NAME OF SUBMITTER: JEFFREY J. HOWELL	
Signature: /Jeffrey J. Howell/	
Date:	05/18/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
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COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention SENSOR ELEMENT AND GAS SENSOR		
As the below named inventor, I hereby declare that:		
This declaration		
United States application or PCT international application number 15/074,311 filed on March 18, 2016.		
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.		
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.		
ASSIGNMENT		
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, and transfer to NGK INSULATORS, LTD., having a principle place of business at 2-56, Sudacho, Mizuho-ku, Nagoya-city, Aichi, 467-8530, JAPAN, and its successors, assigns, and legal representatives, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue for the United States and all foreign countries (including the right to claim priority under the terms of the International Convention and any other relevant International Treaties and Arrangements from the aforesaid application), in and to any and all improvements that are disclosed in the above-noted application, and in and to any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in the United States and all foreign countries on any of said improvements. I agree that I will communicate to the assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all Patents to be issued to the assignee, make all rightful oaths, and, generally do everything possible to aid said assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries. The undersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.		
LEGAL NAME OF INVENTOR (Given name FAMILY NAME)		
Inventor: Takashi HINO Date: 2016.5.7		
Signature: Tokashi Hiho		
Inventor: Mika MURAKAMI Date: 2016, 5, 9		
Signature: Mika Murakaay		
Inventor: Koichi MASUDA Date: 2016.5.9		
Signature: Dellemba		
Inventor: Hironori SAKAKIBARA Date: 26/6, 4. 29		
Signature: Hironori Sakakibara		

PATENT REEL: 038810 FRAME: 0265

RECORDED: 05/25/2016