

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4342253

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKEHIRO OBA	03/22/2017
SHOGO NAGATA	03/22/2017
SHUNYA MIHARA	03/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NGK SPARK PLUG CO., LTD.
<b>Street Address:</b>	14-18, TAKATSUJI-CHO, MIZUHO-KU
<b>Internal Address:</b>	NAGOYA
<b>City:</b>	AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	4678525
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15472520
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(914)288-0023
<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>	914-288-0022
<b>Email:</b>	uspto@leasonellis.com
<b>Correspondent Name:</b>	MELVIN C. GARNER, LEASON ELLIS LLP
<b>Address Line 1:</b>	ONE BARKER AVENUE
<b>Address Line 2:</b>	FIFTH FLOOR
<b>Address Line 4:</b>	WHITE PLAINS, NEW YORK 10601-1526
<b>ATTORNEY DOCKET NUMBER:</b>	01008/003675-US0
<b>NAME OF SUBMITTER:</b>	KAZUE TURIANO FOR MCG
<b>SIGNATURE:</b>	/Kazue Turiano/
<b>DATE SIGNED:</b>	03/29/2017
<b>Total Attachments: 2</b>	
source=Assn_5675#page1.tif	
source=Assn_5675#page2.tif	

**ASSIGNMENT**

I, Takehiro OBA, a citizen of Japan, having a residence at 62-2, Daimon, Kiga-cho, Konan, Aichi, Japan;

I, Shogo NAGATA, a citizen of Japan, having a residence at 3-187-1101, Komaki, Komaki, Aichi, Japan; and

I, Shunya MIHARA, a citizen of Japan, having a residence at 1655-1-305, Komakiharashinden, Komaki, Aichi, Japan

(hereinafter "ASSIGNORS") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNORS by

NGK Spark Plug Co., LTD.

a Corporation having a place of business at 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi 4678525 Japan (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to our Invention entitled:

**GAS SENSOR**

invented by us and described by the above title and docket number in the United States of America; and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, said interest being our entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, we hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an

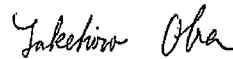
amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and we hereby appoint every present or future officer of said ASSIGNEE as our agent to sign all such papers and to do all such necessary acts on our behalf, to the fullest extent permitted by law;

And we hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

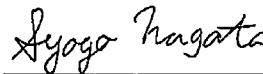
We declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that we have signed this document as our own free act and that all of the foregoing is true and correct.

Dated: March 22, 2017



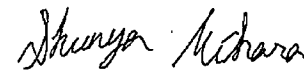
\_\_\_\_\_  
Takehiro OBA, Inventor

Dated: March 22, 2017



\_\_\_\_\_  
Shogo NAGATA, Inventor

Dated: March 22, 2017



\_\_\_\_\_  
Shunya MIHARA, Inventor