

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5226159

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SIGNATURE DATE OF THE THIRD INVENTOR previously recorded on Reel 047166 Frame 0144. Assignor(s) hereby confirms the 07/17/2018.

CONVEYING PARTY DATA

Name	Execution Date
YUKI URA	07/17/2018
MUNEHARU SHIMABUKURO	07/18/2018
SHINICHI MATSUMOTO	07/17/2018

RECEIVING PARTY DATA

Name:	NISSHA CO., LTD.
Street Address:	3, MIBU HANAI-CHO, NAKAGYO-KU
City:	KYOTO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	604-8551

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16160164

CORRESPONDENCE DATA**Fax Number:**

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: 202-997-6398
Email: patents@unitediplaw.com
Correspondent Name: UNITED IP COUNSELORS, LLC
Address Line 1: 2120 L STREET, NW, SUITE 400
Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	NSH-US160641
NAME OF SUBMITTER:	MOTOKO OSHINO
SIGNATURE:	/Motoko Oshino/
DATE SIGNED:	11/07/2018

Total Attachments: 7

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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											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YUKI URA</td> <td>07/17/2018</td> </tr> <tr> <td>MUNEHARU SHIMABUKURO</td> <td>07/18/2018</td> </tr> <tr> <td>SHINICHI MATSUMOTO</td> <td>07/19/2018</td> </tr> </tbody> </table>		Name	Execution Date	YUKI URA	07/17/2018	MUNEHARU SHIMABUKURO	07/18/2018	SHINICHI MATSUMOTO	07/19/2018		
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CORRESPONDENCE DATA

Fax Number:

Phone:

(202) 800-8465

Email:

patents@unitediplaw.com

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Correspondent Name:

UNITED IP COUNSELORS, LLC

Address Line 1:

2120 L STREET, NW

Address Line 2:

SUITE 400

Address Line 3:

WASHINGTON, D.C. 20037

**ATTORNEY DOCKET
NUMBER:**

NSH-US160641

NAME OF SUBMITTER:

MOTOKO OSHINO

Signature:

/Motoko Oshino/

Date:

10/15/2018

Total Attachments: 3

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RECEIPT INFORMATION

EPAS ID:

PAT5188294

Receipt Date:

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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	GAS SENSOR DEVICE AND METHOD OF MANUFACTURING SAME
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> United States application or PCT international application number <u>PCT/JP2017/016655</u> filed on <u>April 27, 2017</u>.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p> <p>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 C.F.R. § 1.56.</p> <p align="center">ASSIGNMENT</p> <p>For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby assign and transfer to <u>Nissha Co., Ltd.</u>, having a principle place of business at <u>3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 6048531 JAPAN</u>, 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 might 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.</p> <p>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.</p> <p>The undersigned hereby grants the firm of <u>United IP Counselors, LLC</u> the power to insert in this Assignment any further identification which might be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.</p>	
<p>LEGAL NAME OF INVENTOR (Given name FAMILY NAME)</p> <p>Inventor: <u>Yuki URA</u> Date: <u>July 17, 2018</u></p> <p>Signature: <u>Yuki URA</u></p>	

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 United States application or PCT international application number
PCT/JP2017/016655 filed on April 27, 2017.

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.

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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 C.F.R. § 1.56.

ASSIGNMENT

For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby assign and transfer to Niesha Co., Ltd., having a principle place of business at 3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 6048551 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 might 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, 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 United IP Counselors, LLC the power to insert in this Assignment any further identification which might 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: Muneharu SHIMABUKURO

Date: July 18, 2018

Signature: Muneharu SHIMABUKURO

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ASSIGNMENT

For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby assign and transfer to Nissha Co., Ltd., having a principle place of business at 3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 6048531 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 might 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.

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The undersigned hereby grants the firm of United IP Counselors, LLC the power to insert in this Assignment any further identification which might 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: Shinichi MATSUMOTO Date: July 19, 2018

Signature: Shinichi MATSUMOTO



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 16, 2018

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SUITE 400
WASHINGTON, DC 20037

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RECORDATION DATE: 10/15/2018

REEL/FRAME: 047166/0144
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: NSH-US160641

ASSIGNOR:

URA, YUKI

DOC DATE: 07/17/2018

ASSIGNOR:

SHIMABUKURO, MUNEHARU

DOC DATE: 07/18/2018

ASSIGNOR:

MATSUMOTO, SHINICHI

DOC DATE: 07/19/2018

ASSIGNEE:

NISSHA CO., LTD.
3, MIBU HANAI-CHO, NAKAGYO-KU
KYOTO-SHI, KYOTO, JAPAN 604-8551

APPLICATION NUMBER: 16160164

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: GAS SENSOR DEVICE AND METHOD OF MANUFACTURING SAME

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