### 504112719 11/28/2016

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIDEYUKI AKIYAMA	10/27/2016
KENTARO YAMADA	10/27/2016
TOSHITADA TAKEUCHI	10/27/2016

#### **RECEIVING PARTY DATA**

Name:	HITACHI HIGH-TECH SCIENCE CORPORATION
Street Address:	24-14, NISHI-SHIMBASHI 1-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15356579

#### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: H2350.10013US01

NAME OF SUBMITTER: R. BURNS ISRAELSEN

SIGNATURE: /R. Burns Israelsen, Reg. No. 42685/

DATE SIGNED: 11/28/2016

#### **Total Attachments: 3**

source=H2350.10013US01 Assignment#page1.tif source=H2350.10013US01 Assignment#page2.tif source=H2350.10013US01 Assignment#page3.tif

PATENT 504112719 REEL: 040435 FRAME: 0416

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	EVOLVED GAS ANALYZER AND METHOD FOR ANALYZING EVOLVED GAS	
Docket Number		
As the below named in	ventor, I hereby declare that:	
This declaration	■ The attached application, or	
is directed to:	United States application or PCT international application number filed on .	
The above-identified a	pplication 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.	
	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t more than five (5) years, or both.	
having a place of busi	IITACHI HIGH-TECH SCIENCE CORPORATION (hereinafter referred to as "ASSIGNEE") ness at: 24-14, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo, Japan, desires to acquire the entire in said invention and the above-identified United States patent application;	
acknowledged, I herel identified United State and reissues, extension countries foreign to th	EFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby by assign to the ASSIGNEE, the entire right, title and interest in said invention and in the aboves patent application and in all divisions, continuations and continuations-in-part of said application, as and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in the United States ("foreign countries") and corresponding international patent applications, and in all on any such patent applications in the United States and foreign countries;	
own name and the rig	In to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its ght to claim priority to the above-identified United States patent application under the terms of the ion and any other relevant treaties;	
countries to issue any and to the same, for the	prize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full nich said Letters Patent may be granted; and	
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF INVENTOR		
Inventor: AK	YAMA, Hideyuki Date: October 27, 2016	
Signature: 14	deynki akiyama	

MASCHOFF BRENNAN, PLLC 1389 CENTER DR., SUITE 300 PARK CITY, UTAH 84098, USA

> PATENT REEL: 040435 FRAME: 0417

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	EVOLVED GAS ANALYZER AND METHOD FOR ANALYZING EVOLVED GAS	
Docket Number		
As the below named in	ventor, I hereby declare that:	
This declaration is directed to:	■ The attached application, or	
	United States application or PCT international application number filed on .	
The above-identified a	pplication 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.	
	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t more than five (5) years, or both.	
having a place of busin	IITACHI HIGH-TECH SCIENCE CORPORATION (hereinafter referred to as "ASSIGNEE") ness at: 24-14, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo, Japan, desires to acquire the entire in said invention and the above-identified United States patent application;	
acknowledged, I herebidentified United State and reissues, extension countries foreign to the	EFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby by assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-sepatent application and in all divisions, continuations and continuations-in-part of said application, as and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in the United States ("foreign countries") and corresponding international patent applications, and in all on any such patent applications in the United States and foreign countries;	
own name and the rig	In to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its plant to claim priority to the above-identified United States patent application under the terms of the ion and any other relevant treaties;	
countries to issue any and to the same, for the	orize and request the United States Patent & Trademark Office and officials in patent offices in foreign and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full said Letters Patent may be granted; and	
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF INVENTOR		
Inventor: YAN	MADA, Kentaro  Date: October 27, 2016  Taro Youngolo	
Signature:	taro yamada	

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> PATENT REEL: 040435 FRAME: 0418

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	EVOLVED GAS ANALYZER AND METHOD FOR ANALYZING EVOLVED GAS	
Docket Number		
As the below named in	ventor, I hereby declare that:	
This declaration is directed to:	■ The attached application, or	
	United States application or PCT international application number filed on .	
The above-identified a	pplication 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.		
WHEREAS, HITACHI HIGH-TECH SCIENCE CORPORATION (hereinafter referred to as "ASSIGNEE") having a place of business at: 24-14, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo, Japan, desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;		
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries;		
own name and the rig	n to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its that to claim priority to the above-identified United States patent application under the terms of the ion and any other relevant treaties;	
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and		
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME OF IN	VENTOR	
Inventor: TAK	XEUCHI, Toshitada Date: October 27, 2016	
Signature:	shitada Takeuchi	

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> PATENT REEL: 040435 FRAME: 0419

**RECORDED: 11/28/2016**