504461716 07/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4508417

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHITAKA SHIBATA	06/27/2017

RECEIVING PARTY DATA

Name:	OSAKA GAS CO., LTD.	
Street Address:	1-2, HIRANOMACHI 4-CHOME, CHUO-KU, OSAKA	
City:	OSAKA-SHI	
State/Country:	JAPAN	
Postal Code:	5410046	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15544392

CORRESPONDENCE DATA

Fax Number: (412)471-4094

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.

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Email: assignments@webblaw.com
Correspondent Name: THE WEBB LAW FIRM, P.C.
Address Line 1: ONE GATEWAY CENTER

Address Line 2:420 FT. DUQUESNE BLVD, SUITE 1200Address Line 4:PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	0388-1705773	
NAME OF SUBMITTER:	RUSSELL D. ORKIN	
SIGNATURE:	/Russell D. Orkin/	
DATE SIGNED:	07/18/2017	

Total Attachments: 3

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PATENT 504461716 REEL: 043033 FRAME: 0728

RECORDATION FORM COVER SHEET PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
			1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
			Yoshitaka SHIBATA	Name: Osaka Gas Co., Ltd.
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) June 27, 2017	Street Address: 1-2, Hiranomachi 4-chome			
✓ Assignment Merger	Chuo-ku, Osaka			
	City: Osaka-shi			
Security Agreement Change of Name				
Joint Research Agreement	State:			
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: JAPAN Zip: 5410046			
Other	Additional name(s) & address(es) attached? Yes V No			
A. Patent Application No.(s) 15/544,392 Additional numbers at	tached? Yes No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: Russell D. Orkin				
Internal Address: The Webb Law Firm	7. Total fee (37 CFR 1.21(h) & 3.41) \$0			
	Authorized to be charged to deposit account			
Observat Antides are Const. Control of Const.	Enclosed			
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200	None required (government interest not affecting title)			
	8. Payment Information			
City: Pittsburgh				
State: PA Zip: 15222				
Phone Number: 412-471-8815	Deposit Account Number			
Docket Number: 0388 - 1705773	Authorized User Name			
Email Address: assignments@webblaw.com	Authorized Oser Name			
9. Signature: /Russell D. Orkin				
Signature	Date			
Russell D. Orkin Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			
· · · · · · · · · · · · · · · · · · ·	et) should be faxed to (571) 273-0140, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450			

PATENT REEL: 043033 FRAME: 0729

INTERNATIONAL
Application NoAttorney Docket No
ASSIGNMENT
WHEREAS, as a below named inventor, I have invented certain new and useful improvements in
WASTE HEAT RECOVERY DEVICE, HEAT SUPPLY SYSTEM, AND OPERATION METHOD FOR WASTE HEAT RECOVERY DEVICE (Invention Title)
(Mivemon Thio)
for which I have this day executed an application for a United States Patent (hereinafter "said application").
AND/OR
for which an application for a United States Patent was filed on (mm/dd/yyyy) and bears Application Number (hereinafter "said application"). AND/OR
[X] for which an international patent application was filed under the Patent Cooperation Treaty on 11/20/2015 (mm/dd/yyyy), bearing Application No. PCT/JP2015/082722 (hereinafter "said application").
AND, WHEREAS, OSAKA GAS CO., LTD., a corporation of Osaka, Japan, having a place of business at 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 5410046, Japan, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.
NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.
I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 15/544,392, filed 11/20/2015) the filing date and application number of said application when known.
I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.
And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional,

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reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or

	Application No.
	Attorney Docket No.
obtain and enforce full benefits from the Assignment shall be binding upon my heir	said assignee to assist or enable said assignee to be rights and interests herein assigned. This s, executors, administrators and/or assigns, and ors, administrators, successors and/or assigns, as
FULL NAME OF ASSIGNOR: Yoshitaka SHIBATA	RESIDENCE: Osaka-shi, Osaka, Japan
EXECUTED this 27thday of June ,	2017
	Yoshitata Shibata Signature
WITNESS: Navbo Jamamal	

Checked Box indicates _ additional page(s) for inventor signatures.

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RECORDED: 07/18/2017