

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4220017

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOSHIYASU FUJIWARA	12/14/2016
KAZUNORI ODA	12/14/2016
NORIAKI TSUCHIIWA	12/14/2016
TOMOYUKI SHIRAISHI	12/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TLV CO., LTD.
<b>Street Address:</b>	881, NAGASUNA, NOGUCHICHO, HYOGO
<b>City:</b>	KAKOGAWA-SHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	6758511
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15316395
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
<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>	(412)471-8815
<b>Email:</b>	assignments@webblaw.com
<b>Correspondent Name:</b>	THE WEBB LAW FIRM
<b>Address Line 1:</b>	420 FT. DUQUESNE BLVD., STE 1200
<b>Address Line 2:</b>	ONE GATEWAY CENTER
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222
<b>ATTORNEY DOCKET NUMBER:</b>	0388-1606037
<b>NAME OF SUBMITTER:</b>	RUSSELL D. ORKIN
<b>SIGNATURE:</b>	/Russell D. Orkin/
<b>DATE SIGNED:</b>	01/11/2017
<b>Total Attachments: 4</b>	
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# 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)**

Yoshiyasu FUJIWARA  
Kazunori ODA  
Noriaki TSUCHIWA  
Tomoyuki SHIRAIISHI

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) December 14, 2016

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: TLV Co., Ltd.

Internal Address: \_\_\_\_\_

Street Address: 881, Nagasuna, Noguchicho, Hyogo

City: Kakogawa-shi

State: \_\_\_\_\_

Country: JAPAN Zip: 6758511

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

15/316,395

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Russell D. Orkin

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Docket Number: 0388 - 1606037

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved: 1**

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

/Russell D. Orkin/

January 11, 2017

Signature

Date

Russell D. Orkin

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Application No. ....

Attorney Docket No. ....

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

FLUID UTILIZATION FACILITY MANAGEMENT METHOD AND FLUID  
UTILIZATION FACILITY MANAGEMENT SYSTEM

(Invention Title)

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 12/05/2016 (mm/dd/yyyy) and bears Application Number 15/316,395 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on 05/25/2015 (mm/dd/yyyy), bearing Application No. PCT/JP2015/064921 (hereinafter "said application").

AND, WHEREAS, TLV CO., LTD., a corporation of Hyogo, Japan, having a place of business at 881, Nagasuna, Noguchicho, Kakogawa-shi, Hyogo 6758511, 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. 15/316,395, filed on 12/05/2016) 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, 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 expedient by said assignee or by counsel for said assignee to assist or enable said assignee to

Application No. \_\_\_\_\_

Attorney Docket No. \_\_\_\_\_

obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:  
Yoshiyasu FUJIWARA

RESIDENCE:  
Kakogawa-shi, Hyogo, Japan

EXECUTED this 14th day of December, 2016

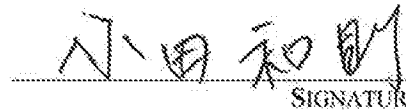
  
SIGNATURE

WITNESS:  
\_\_\_\_\_

2. FULL NAME OF ASSIGNOR:  
Kazunori ODA

RESIDENCE:  
Kakogawa-shi, Hyogo, Japan

EXECUTED this 14th day of December, 2016

  
SIGNATURE

WITNESS:  
\_\_\_\_\_

3. FULL NAME OF ASSIGNOR:  
Noriaki TSUCHIWA

RESIDENCE:  
Kakogawa-shi, Hyogo, Japan

EXECUTED this 14th day of December, 2016

  
SIGNATURE

WITNESS:  
\_\_\_\_\_

Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL

Application No. ....

Attorney Docket No. ....

4. FULL NAME OF ASSIGNOR:

Tomoyuki SHIRAISHI

RESIDENCE:

Kakogawa-shi, Hyogo, Japan

EXECUTED this 14th day of December, 2016

白石知行

SIGNATURE

WITNESS: