505083730 09/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5130488

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHIYASU FUJIWARA	12/14/2016
KAZUNORI ODA	12/14/2016
NORIAKI TSUCHIIWA	12/14/2016
TOMOYUKI SHIRAISHI	12/14/2016

RECEIVING PARTY DATA

Name:	TLV CO., LTD.	
Street Address:	881, NAGASUNA, NOGUCHICHO	
City:	KAKOGAWA-SHI, HYOGO	
State/Country:	JAPAN	
Postal Code:	6758511	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16125030

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.

Phone: 4124718815

Email: assignments@webblaw.com
Correspondent Name: THE WEBB LAW FIRM

Address Line 1: 420 FT DUQUESNE BLVD STE 1200

Address Line 2: ONE GATEWAY CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	0388-1805734	
NAME OF SUBMITTER:	ADAM M. DENMEAD, REG. NO. 73,303	
SIGNATURE:	/Adam M. Denmead/	
DATE SIGNED:	09/07/2018	

Total Attachments: 3

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT 505083730 REEL: 046816 FRAME: 0720

source=Assignment#page3.tif

PATENT REEL: 046816 FRAME: 0721

	INTERNATIONAL Application No
	Attorney Docket No.
	Tempore y 1750
ASSIGNMENT	
WHEREAS, as a below named inventouseful improvements in	or, I have invented certain new and
FLUID UTILIZATION FACILITY MANAGEM UTILIZATION FACILITY MANAG (Invention Title)	
for which I have this day executed an application "said application"). AND/OR	o for a United States Patent (hereinafter
for which an application for a United States Patent and bears Application Number 15/316,395 (he AND/OR	was filed on 12/05/2016 (mm/dd/yyyy reinafter "said application").
for which an international patent application was on 05/25/2015 (mm/dd/yyyy), bearing Application "said application").	- · · · · · · · · · · · · · · · · · · ·
AND, WHEREAS, TLV CO., LTD., a coplace of business at 881, Nagasuma, Noguchicho, Kalhereinafter called the "assignee", is desirous of acquiring and to said application and the inventions and improvem	kogawa-shi, Hyogo 6758511, Japan, g the entire right, title, and interest in
NOW, THEREFORE, for good and value assignee, the receipt of which is hereby acknowledged inventors, hereinafter the assignor(s), do hereby assign the full and exclusive right, title and interest in and to sa improvements therein disclosed for the United States Letters Patent which may issue therefor in the United States divisions, reissues, continuations, continuations-in-part, Such assignment extends to the full ends of the terms fully and entirely as the same would have been held and not been made.	I, I as the inventor or as one of the sell and transfer unto said assignee and application and the inventions and and all foreign countries and all tates and all foreign countries and all renewals and/or extensions thereof, of these applications and patents as
I hereby authorize and request any attor Firm, Customer No. 28289, to insert here in parenthe filed on 12/05/2016) the filing date and application	· · · · · · · · · · · · · · · · · · ·
I covenant that I am the lawful owner(s improvements, that the same are unencumbered, that n use or vend the said inventions or improvements or any to make this Assignment.	o license has been granted to make,
And for the consideration aforesaid, I a jointly that I will communicate to said assignee or the repto me respecting said inventions and improvements, expense to me, testify in any legal proceedings, sign all reissue, continuation, continuation-in-part, renewal and rightful oaths, and generally do all other and furthe	presentatives thereof any facts known and will, upon request but without lawful papers, execute all divisional, l/or extension applications, make all

Page 1 of 1

expedient by said assignee or by counsel for said assignee to assist or enable said assignee to

	Attorney Docket No.
	ne rights and interests herein assigned. This s, executors, administrators and/or assigns, and ors, administrators, successors and/or assigns, as
FULL NAME OF ASSIGNOR: Yoshiyasu FUJIWARA	RESIDENCE: Kakogawa-shi, Hyogo, Japan
EXECUTED this 14th day of December, 2016	
WITNESS:	Signature
2. FULL NAME OF ASSIGNOR: Kazunori ODA	RESIDENCE: Kakogawa-shi, Hyogo, Japan
EXECUTED this 14th day of December , 2016	NO FOR SIGNATURE
WITNESS:	
3. FULL NAME OF ASSIGNOR: Noriaki TSUCHIIWA	RESIDENCE: Kakogawa-shi, Hyogo, Japan
EXECUTED this 14th day of December, 2016	horaki Frechlina
WITNESS;	SIGNATURE

Page 2 of 3

INTERNATIONAL

Application No.

	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	自石知行
WITNESS:	Signature