

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3472761

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OSAKA UNIVERSITY	07/01/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROWAVE CHEMICAL CO., LTD.
<b>Street Address:</b>	6-1, HIRABAYASHIMINAMI 1-CHOME, SUMINOE-KU
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	559-0025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14357145
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)704-6288
<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>	212-704-6317
<b>Email:</b>	ipservicesnyc@troutmansanders.com
<b>Correspondent Name:</b>	TROUTMAN SANDERS LLP
<b>Address Line 1:</b>	875 THIRD AVENUE
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10022
<b>ATTORNEY DOCKET NUMBER:</b>	243047.000003
<b>NAME OF SUBMITTER:</b>	KENNETH MA
<b>SIGNATURE:</b>	/km/
<b>DATE SIGNED:</b>	08/06/2015
<b>Total Attachments: 2</b>	
source=assign3#page1.tif	
source=assign3#page2.tif	

**ASSIGNMENT**

**WHEREAS, I/We,**

**Osaka University**  
1-1 Yamadaoka,  
Suita-shi  
Osaka 565-0871 JAPAN

(referred to as "ASSIGNOR") has 40% of the rights, title, and interest, as evidenced in the Assignment executed by inventors on May 19, 2014, and recorded in the United States Patent and Trademark Office on August 26, 2014, at Reel/Frame 033610/0076 ("Attachment A", the entire contents of which being hereby incorporated herein by reference), in and to U.S. Non-Provisional Patent Application No. 14/357,145 filed August 26, 2014 (371(c) Date), and titled CHEMICAL REACTION APPARATUS ("Application"), including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon, (herein collectively referred to as "Related US Applications") and also in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications");

**WHEREAS,**

**Microwave Chemical Co., Ltd.**  
6-1, Hirabayashiminami 1-chome,  
Suminoe-ku, Osaka-shi,  
Osaka 559-0025 JAPAN

("ASSIGNEE") desires to purchase all of ASSIGNOR's rights in same;

**NOW THEREFORE**, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said ASSIGNEE, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, transferred and conveyed unto said ASSIGNEE all of ASSIGNOR's rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon, (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefore; and ASSIGNOR hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to ASSIGNEE, for its interest and for the sole use and benefit of ASSIGNEE and its assigns and legal representatives.

**For the same consideration,** ASSIGNOR has sold, assigned, and transferred to ASSIGNEE all of ASSIGNOR's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of ASSIGNEE or its designee, insofar as permitted by applicable law.

**For the same consideration,** ASSIGNOR has agreed, without charge to ASSIGNEE, but at ASSIGNEE'S expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid ASSIGNEE its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

**AND, for the same consideration,** ASSIGNOR has also sold, assigned and transferred unto ASSIGNEE all of ASSIGNOR's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

SIGNED this 1 day of July, 2015:

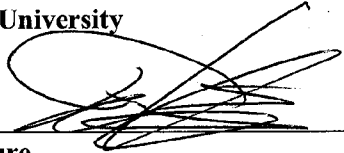
Toshio Hirano

Name

President

Title

Osaka University

  
Signature