

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AKINORI ISHIZUKA	01/30/2017
YUKARI DEGUCHI	02/02/2017
YASUNORI TSUKAHARA	02/02/2017
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15321989
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DATE SIGNED:	03/22/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, We,

Akinori ISHIZUKA;

Yukari DEGUCHI;

Yasunori TSUKAHARA

(collectively referred to as "ASSIGNOR"), have invented certain improvements in:

CHEMICAL REACTION APPARATUS

- for which a U.S. Non-Provisional Patent Application was filed _____ and provided Serial No. _____;
- for which a PCT International Application was filed June 17, 2015 and provided Application No. PCT/JP2015/067411;
- OR*
- which is filed concurrently herewith;

and for which future applications may be filed, (collectively referred to as the "Application"),

whereas the above-identified Application was made or authorized to be made by me/us, and we believe that we are the original inventors or original joint inventors of a claimed invention in the Application, and

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 and by these presents does hereby sell, assign, transfer and convey 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, by these presents does sell, assign, and transfer 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 agrees, 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 also hereby sells, assigns and transfers 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.

石川 章行
Akinori ISHIZUKA

January 30, 2017
DATE

出口 友香里
Yukari DEGUCHI

February 2, 2017
DATE

塚原 保徳
Yasunori TSUKAHARA

Feb. 2, 2017
DATE

TROUTMAN SANDERS