

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5332115

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUNHUA DING	03/31/2014
MICHAEL L'BASSI	03/31/2014
TSENG-CHUNG LEE	03/14/2014
RECEIVING PARTY DATA	
Name:	MKS INSTRUMENTS, INC.
Street Address:	2 TECH DRIVE
City:	ANDOVER
State/Country:	MASSACHUSETTS
Postal Code:	01810
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16168812
CORRESPONDENCE DATA	
Fax Number:	(978)341-0136
<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>	
Phone:	978-341-0036
Email:	shannon.fay@hbsr.com
Correspondent Name:	JAMES M. SMITH, ESQ.
Address Line 1:	530 VIRGINIA ROAD, P.O. BOX 9133
Address Line 2:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
Address Line 4:	CONCORD, MASSACHUSETTS 01742-9133
ATTORNEY DOCKET NUMBER:	5089.3089-009
NAME OF SUBMITTER:	SHANNON L. FAY
SIGNATURE:	/Shannon L. Fay/
DATE SIGNED:	01/18/2019
Total Attachments: 3	
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ASSIGNMENT OF PATENT RIGHTS

We, **Junhua Ding**, residing at **67 Emanuel Drive, Boxborough, MA 01719**, **Michael L'Bassi**, residing at **113 Kendall Hill Road, Sterling, MA 01564** and **Tseng-Chung Lee** residing at **24 Fairlawn Lane, Lexington, MA 02420** having invented improvements in **SYSTEM FOR AND METHOD FOR FAST PULSE GAS DELIVERY**, and having filed a patent application in the United States Patent and Trademark Office describing the same and based thereon, Serial No. **14/209,216**, filed **March 13, 2014**, (and we hereby authorize our attorney(s), authorized to prosecute said application, to insert the serial number and filing date of said application, when known), for good and valuable consideration, receipt of which is hereby acknowledged from **MKS Instruments, Inc.**, a Massachusetts corporation having its principal place of business at **2 Tech Drive, Andover, MA 01810** (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee, our entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration we do also hereby sell, assign and transfer unto the Assignee all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty and all other treaties of like purpose in respect of said inventions and said application, and do hereby authorize the Assignee to apply in our name or in their own name (in a manner to be agreed upon by the Assignee) or their designee, for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;


And for the same consideration we do hereby agree for ourselves and for our respective heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee fully to secure to it said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them, all, however, at the expense of the Assignee;

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;

And we do hereby covenant for ourselves and for our respective legal representatives and agree with the Assignee that we have granted no right or license to make, use or sell said inventions to anyone

except the Assignee, that prior to the execution of this deed my right, title and interest in and to said inventions has not been otherwise encumbered by us, and that we have not executed and will not execute any instrument in conflict herewith.

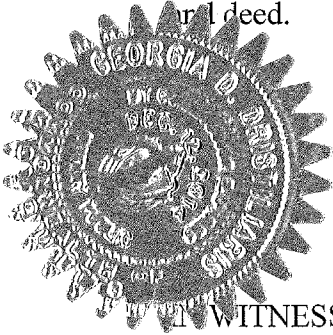
IN WITNESS WHEREOF, we hereunto set our hands and seal on the day and year hereinafter noted.

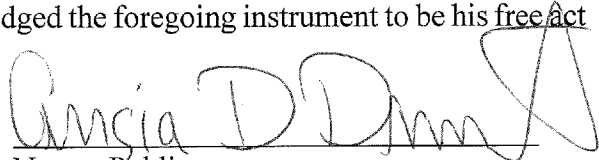


Junhua Ding

State of Massachusetts)
County of Essex) ss.


Before me this 31th day of March, year of 2014, personally appeared **Junhua Ding**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.





Notary Public

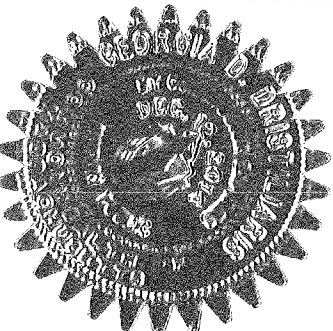
IN WITNESS WHEREOF, we hereunto set our hands and seal on the day and year hereinafter noted.

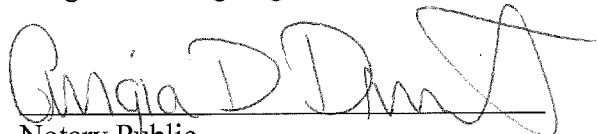


Michael L'Bassi

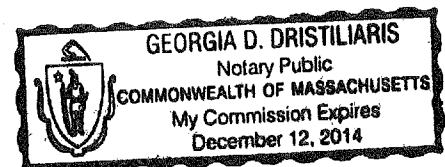
State of Massachusetts)
County of Essex) ss.

Before me this 31th day of March, year of 2014, personally appeared **Michael L'Bassi**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.





Notary Public



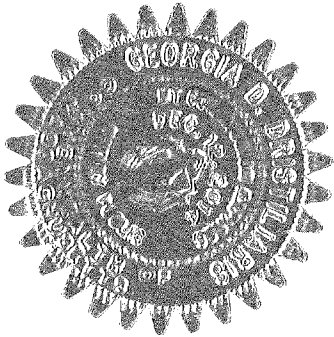
IN WITNESS WHEREOF, we hereunto set our hands and seal on the day and year hereinafter noted.



Tseng-Chung Lee

State of Massachusetts)
County of Essex) ss.

Before me this 14th day of March, year of 2014, personally appeared **Tseng-Chung Lee**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.


Notary Public