

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2604381

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>LEI GU</td> <td>10/16/2013</td> </tr> <tr> <td>PAUL D. LUCAS</td> <td>10/16/2013</td> </tr> <tr> <td>STEPHEN F. BART</td> <td>10/16/2013</td> </tr> <tr> <td>PHILLIP W. SULLIVAN</td> <td>10/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	LEI GU	10/16/2013	PAUL D. LUCAS	10/16/2013	STEPHEN F. BART	10/16/2013	PHILLIP W. SULLIVAN	10/16/2013
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<table border="1"> <tr> <td>Name:</td> <td>MKS INSTRUMENTS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>2 TECHNOLOGY DRIVE</td> </tr> <tr> <td>City:</td> <td>ANDOVER</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01810</td> </tr> </table>		Name:	MKS INSTRUMENTS, INC.	Street Address:	2 TECHNOLOGY DRIVE	City:	ANDOVER	State/Country:	MASSACHUSETTS	Postal Code:	01810
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CORRESPONDENCE DATA											
Fax Number:	(310)277-4730										
Phone:	3107881569										
Email:	mweipdocket@mwe.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	MARC E. BROWN										
Address Line 1:	MCDERMOTT WILL & EMERY LLP										
Address Line 2:	2049 CENTURY PARKEAST, SUITE 3800										
Address Line 4:	LOS ANGELES, CALIFORNIA 90067										
ATTORNEY DOCKET NUMBER:	086400-0188 (MKS-230)										
NAME OF SUBMITTER:	MARC E. BROWN										

Signature:	/Marc E. Brown/
Date:	11/05/2013
Total Attachments: 3 source=188Assignment#page1.tif source=188Assignment#page2.tif source=188Assignment#page3.tif	

ASSIGNMENT OF PATENT RIGHTS

We, **Lei Gu**, residing at **17 Skyview Road, Lexington, MA 02420**, **Paul D. Lucas** residing at **254 Porter Street, Melrose, MA 02176**, **Stephen F. Bart** residing at **26 Rochester Road, Newton, MA 02458**, and **Philip W. Sullivan**, residing at **77 Robbins Road, Lexington, MA 02421**, having invented improvements in **PRESSURE SENSOR WITH INTEGRATED HEALTH MONITORING**, and having filed a Provisional application in the United States Patent and Trademark Office describing the same and based thereon, Serial No. **61/770,817**, filed **February 28, 2013**, (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 Delaware corporation having its principal place of business at **2 Technology 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.

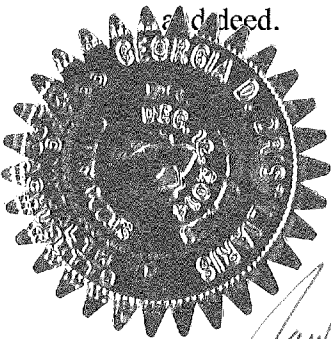
IN WITNESS WHEREOF, we hereunto set our hands and seal on the day and year hereinafter noted.

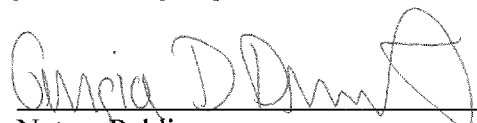


Lei Gu

State of Massachusetts)
County of ESSEX) ss.

Before me this 16th day of October, year of 2013, personally appeared **Lei Gu**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.





Notary Public



Paul D. Lucas

State of Massachusetts)
County of ESSEX) ss.

Before me this 16th day of October, year of 2013, personally appeared **Paul D. Lucas**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.



ATTORNEY DOCKET: 86400-170 (MKS-230PR)

Georgia D. Dristiliaris
Notary Public

Seal

Stephen F. Bart
Stephen F. Bart

State of Massachusetts
County of ESSEX ss.

Before me this 16th day of October, year of 2013, personally appeared **Stephen F. Bart**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

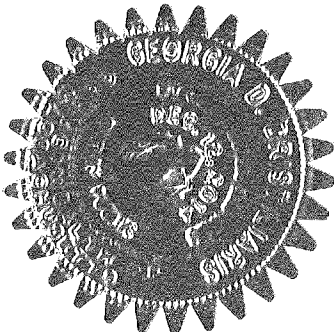


Georgia D. Dristiliaris
Notary Public

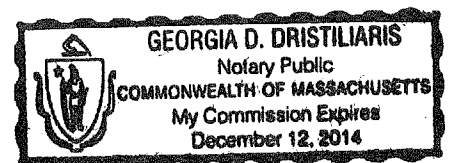
Philip W. Sullivan
Philip W. Sullivan

State of Massachusetts
County of ESSEX ss.

Before me this 16th day of October, year of 2013, personally appeared **Philip W. Sullivan**, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.



Georgia D. Dristiliaris
Notary Public



PATENT