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09-24-1999

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents

101154559

and original documents or copy thereof.

## 1. Name of conveying party(ies):

James Poulin  
Luke D. Hinkle  
Chris P. GrudzienMKS  
9-10-99Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: September 9, 1999

## 2. Name and address of receiving party(ies):

Name: MKS Instruments, Inc.

Internal Address: \_\_\_\_\_

Street Address: Six Shattuck RoadCity: Andover State: MA ZIP: 01810Additional name(s) & address(es) attached? ☐ Yes ☒ No
 15 U.S. PTO  
09/394804  
09/10/99

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: Sept. 9, 1999

## A. Patent Application No.(s)

## B. Patent No.(s)

09/394804

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Diener, Esq.Internal Address: 00000009 09394804

40.00 CH

Street Address: Hale and Dorr LLP

60 State Street

City: Boston State: MA ZIP: 02109

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41).....\$40

☐ Enclosed☒ Authorized to be charged to deposit account

Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

## 8. Deposit account number:

08-0219

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael A. Diener  
Name of Person Signing
  
Signature
September 10, 1999  
Date

4

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

EXPRESS MAIL LABEL NO. EL171836531 USDATE OF DEPOSIT SEP 10, 1999

REEL: 010253 FRAME: 0718

## ASSIGNMENT

WHEREAS, I, James Poulin, being a citizen of the United States, residing at 13 Dustin Avenue, Derry, NH 03038, Luke D. Hinkle, being a citizen of the United States, residing at 76 Haynes Road, Townsend, MA 01469, and Chris P. Grudzien, being a citizen of the United States, residing at 110 Delmont Avenue, Apt. 18, Lowell, MA 01852, am an inventor of certain new and useful inventions and discoveries, for which I have made an application for Letters Patent entitled BAFFLE FOR A CAPACITIVE PRESSURE SENSOR, filed herewith; and

WHEREAS, MKS Instruments, Inc., a corporation of Massachusetts, whose address is Six Shattuck Road, Andover, MA 01810-2449, and which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said applications, and any and all Letters Patents, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patents to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to ASSIGNEE without encumbrance;

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to me or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by me, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

DATE: 9/9/99


James Poulin  
James Poulin

WITNESSED BY:

Harold C. [Signature]  
Name

22 Academy Ave  
Bedford MA 01835  
Address

DATE: Sept. 9, 1999

  
\_\_\_\_\_  
Luke D. Hinkle

WITNESSED BY:

  
\_\_\_\_\_  
Name

Sept 9, 1999  
\_\_\_\_\_  
Address

Address

DATE: SEPT 9, 1999

  
\_\_\_\_\_  
Chris P. Grudzien

WITNESSED BY:

  
\_\_\_\_\_  
Name

Sept 9, 1999  
\_\_\_\_\_  
Address

Address