

04-25-2001

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



## PATENTS ONLY

101683788

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies here.

1. Name of conveying party(ies):

Matthew Thomas Taylor  
John Christopher Hallahan  
William R. Clark

04/17/01

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

Name: MKS Instruments, Inc.

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

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: Six Shattuck RoadCity: Andover State: MA ZIP: 01810Execution Date: January 25, 25 and 15, 2001, respectivelyAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: Jan. 23, 25, 15, 2001

A. Patent Application No.(s)

B. Patent No.(s)

09/836748

04/25/2001 LMUELLER 00000314 09836748

01 FC:581

40.00 OP

Additional numbers attached? ☐ Yes ☐ No

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

Name: Toby H. KusmerInternal Address: McDermott, Will & EmeryStreet Address: 28 State StreetCity: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1133

DO NOT USE THIS SPACE

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.

Toby H. Kusmer

Name of Person Signing

Signature

April 17, 2001

Date

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

4

PATENT

REEL: 11701 FRAME: 0900

## ASSIGNMENT OF PATENT RIGHTS

We, **Matthew Thomas Taylor of 400 South 16th Street, San Jose, California 95112, USA; John Christopher Hallahan of 418 Madison Drive, San Jose, California 95123, USA; and William R. Clark of 9 Emerson Avenue, Hampstead, New Hampshire 03841, USA**, having invented improvements in **System and Method for Dividing Flow**, and having filed a patent application in the United States Patent and Trademark Office describing the same and based thereon, **Serial No. \_\_\_\_\_, Filed \_\_\_\_\_**, (hereby authorizing Assignee to here insert the filing date and serial number of said application, when known) for good and valuable consideration, receipt of which is hereby acknowledged from, **MKS Instruments, Inc., a Massachusetts Corporation** having a principal place of business at **Six Shattuck Road, Andover, Massachusetts 01810, USA**, and hereinafter referred to as the Assignee (which term shall include the successors and assigns) do hereby sell, assign and transfer to 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 provisional, non-provisional, divisional, continuing, reissue and other patent applications based thereon) and all inventions (which term shall include each and every such invention, or any 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, non-provisional, 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 our 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.

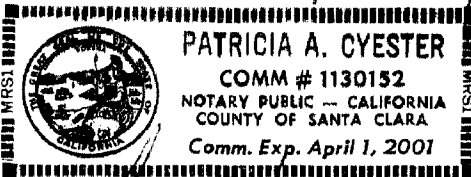
IN WITNESS WHEREOF, we hereunto set our hands and seal on the day and year hereinafter noted.

Matthew Thomas Taylor  
Matthew Thomas Taylor

State of Cal  
County of San Antonio SS.

Before me this 25 day of January, 2001, personally appeared **Matthew Thomas Taylor**, who is to me personally known, and acknowledged the foregoing instrument to be his or her free act and deed.

Seal



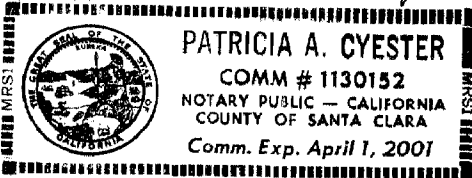
Patricia A. Cyester  
Notary Public

John Christopher Hallahan  
John Christopher Hallahan

State of Massachusetts  
County of Santa Clara SS.

Before me this 25 day of January, 2001, personally appeared **John Christopher Hallahan**, who is to me personally known, and acknowledged the foregoing instrument to be his or her free act and deed.

Seal



Patricia A. Cyester  
Notary Public

William R. Clark  
William R. Clark

State of Massachusetts  
County of Essex SS.

Before me this 15<sup>th</sup> day of January, 2001, personally appeared **William R. Clark**, who is to me personally known, and acknowledged the foregoing instrument to be his or her free act and deed.

Seal

Janet C. Giddings  
Notary Public

my comm-exp 12/25/03

Toby H. Kusmer  
Reg. No. 26,418