

PATENT

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Name Kuo-Chin Lin

Execution Date
Month Day Year

10/29/05

Name

Name

Name

Name

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) MKS Instruments, Inc.

Name (line 2)

Address (line 1) 90 Industrial Way

Address (line 2)

Address (line 3) Wilmington

City

MA

State/Country

01887

Zip Code

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CH \$40.00 503081 11229153

PATENT

REEL: 017017 FRAME: 0629

700224735

Correspondent Name and Address

Area Code and Telephone Number (617) 526-9600

Name Patent Administrator

Address (line 1) Proskauer Rose LLP

Address (line 2) One International Place

Address (line 3) 22nd Floor

Address (line 4) Boston, MA 02110-2600

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2

Application Number(s) or Patent Number(s)☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)**Patent Number(s)**

11/229,153

Patent Cooperation Treaty (PCT)Enter PCT application number
only if a U.S. Application Number
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PCT

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

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Deposit Account

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Deposit Account Number

50-3081

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Yes ☒ No ☐**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. Charges to deposit account are authorized, as indicated herein.*

Erik Saarmaa

Reg. No. 56,834

Name of Person Signing

Signature

Date

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7911345

PATENT

REEL: 017017 FRAME: 0630

ASSIGNMENT

WHEREAS, I, Kuo-Chin Lin, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

MULTIVARIATE CONTROL OF SEMICONDUCTOR PROCESSES

and identified by

☐ Attorney Docket No. _____, and/or executed by me on even date herewith and about to be filed in the United States Patent Office;

☒ Serial No. 11/229,153 filed in the United States Patent Office on September 16, 2005;
and

WHEREAS, MKS Instruments, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 90 Industrial Way, Wilmington, MA 01887, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;


AND, I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand-and affixed my seal on the date set forth below.

Inventor:


Kuo-Chin Lin


State/~~Commonwealth~~ of CALIFORNIA)
County of SANTA CLARA) ss

On this 27 day of OCTOBER, 2005, before me, the undersigned notary public, personally appeared Kuo-Chin Lin, proved to me through satisfactory evidence of identification, which was ACKNOWLEDGED, to be the person whose name is signed on the preceding or attached document in my presence.



Notary Public

My Commission Expires:


01/08/09