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12-05-2002




SHEET

U.S. DEPARTMENT OF COMMERCE

102302916

To the Honorable Assistant Commissioner for Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>Lawrence D. BARTHOLOMEW, Robert J. BAILEY, Seung G. PARK and Soon K. YUH</b></p> <p>Additional name(s) of conveying party(ies) attached? <u>12-2-02</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>ASML US, INC..</u></p> <p>Internal Address: _____</p>	
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>October 15, 2002</u></p>		<p>Street Address: <u>440 Kings Village Road</u></p> <p>City: <u>Scotts Valley</u></p> <p>State: <u>CA</u> Zip: <u>95066</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>4. Application entitled <b>Atmospheric Pressure Wafer Processing Reactor Having an Internal Pressure Control System and Method</b></p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p>			
<p>A. Patent Application No.(s) <u>10/226,773</u></p>		<p>B. Patent No.(s)</p>	
<p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>MARIA S. SWIATEK</u></p> <p>Internal Address: <u>DORSEY &amp; WHITNEY LLP</u></p> <p>Street Address: <u>SUITE 3400</u> <u>FOUR EMBARCADERO CENTER</u></p> <p>City: <u>SAN FRANCISCO</u></p> <p>State: <u>CA</u> Zip: <u>94111-4187</u></p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41):.....\$<u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p>	
		<p>8. Deposit account number <b>50-2319</b></p> <p>Please debit any underpayment or credit any overpayment to the above deposit account.</p> <p>Our Order No. <u>A-70896/MSS/MDV</u></p>	
<p>DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Michael D. Van Loy, Reg. No 52,315</u>  <u>NOVEMBER 25, 2002</u></p> <p>Name of Person Signing Signature Date</p> <p>Total number of pages including cover sheet, attachments and document: [3]</p>			
<p>OMB No. 0651-0011 (exp. 4/94)</p>			

**Do not detach this portion**

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

**Honorable Commissioner of Patents and Trademarks, Box Assignments  
Washington, DC 20231**

File No. A-70896/MSS/MDV

Rev. 8/93

12/03/2002 DYESSEM1 00000074 10226773

02 FC:8021

40.00 DP

**PATENT  
REEL: 013539 FRAME: 0764**

# ASSIGNMENT

WHEREAS, the undersigned, **Lawrence D. Bartholomew**, a resident of **Felton, California**; **Robert J. Bailey**, a resident of **Santa Cruz, California**; **Seung G. Park**, a resident of **Felton, California**; and **Soon K. Yuh**, a resident of **Scotts Valley, California**; have invented certain new and useful improvements in **ATMOSPHERIC PRESSURE WAFER PROCESSING REACTOR HAVING AN INTERNAL PRESSURE CONTROL SYSTEM AND METHOD**, for which invention we have executed an application for Letters Patent of the United States, having Serial No. 10/226,773, and filing date of August 23, 2002, and which invention is fully described in the specification pertaining to said application.

WHEREAS, **ASML US, INC** (hereinafter termed "Assignee"), a Corporation of the State of Delaware, having a place of business at Scotts Valley, California, is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents; and (e) all claims for damages by reason of past infringement of said Patents, with the right to sue for and collect the same for its own use and enjoyment, and for use and enjoyment of its successors, assigns or other legal representatives.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or

other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 15th day of October, 2002,

Lawrence D. Bartholomew  
Lawrence D. Bartholomew

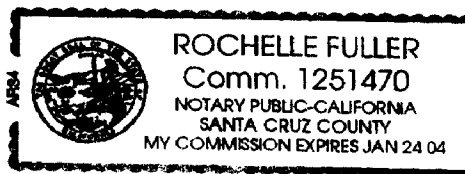
State of California )  
County of Santa Cruz ) ss.

On this 15th day of Oct, in the year 2002, before me, Rochele Fuller,  
Notary Public of the State of California in the County of Santa Cruz, personally  
appeared Lawrence D. Bartholomew, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person(s) whose name is subscribed to the within instrument, and  
acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her  
signature on the instrument the person, or the entity upon behalf of which the person acted,  
executed the instrument.

WITNESS my hand and official seal.

Signature Rochele Fuller

(Seal)



IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 15<sup>th</sup> day of October, 2002,

Robert J. Bailey  
Robert J. Bailey

State of California )  
County of Santa Cruz ) ss.

On this 15<sup>th</sup> day of October, in the year 2002, before me, Rochelle Fuller, Notary Public of the State of California in the County of SC, personally appeared Robert J. Bailey, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.  
Signature Rochelle Fuller



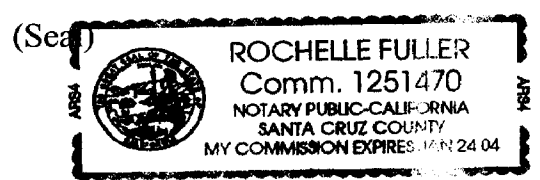
IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 15 day of October, 2002,

Seung G. Park  
Seung G. Park

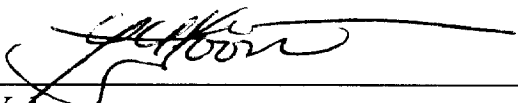
State of California )  
County of Santa Cruz ) ss.

On this 15<sup>th</sup> day of October, in the year 2002, before me, Rochelle Fuller, Notary Public of the State of California in the County of SC, personally appeared Seung G. Park, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.  
Signature Rochelle Fuller



IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this 15 day of October, 2002,

  
\_\_\_\_\_  
Soon K. Yuh

State of California )  
County of Santa Cruz ) ss.

On this 15<sup>th</sup> day of October, in the year 2002, before me, Rochelle Fuller,  
Notary Public of the State of California in the County of Santa Cruz, personally  
appeared Soon K. Yuh, personally known to me (or proved to me on the basis of satisfactory  
evidence) to be the person(s) whose name is subscribed to the within instrument, and acknowledged  
that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS my hand and official seal.

Signature Rochelle Fuller

(Seal)

