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1. Name of conveying party(ies)/Execution Date(s):

THOMAS HAMELIN  
JAY WALLACE  
ARTHUR H LAFLAMME, JR.

Execution Date(s) November 19, 2003 (each inventor)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: TOKYO ELECTRON LIMITED

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

Street Address: 3-6, Akasaka 5-chome, MInato-ku

City: Tokyo

State: \_\_\_\_\_

Country: JAPAN Zip: 107

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

Internal Address: P.O. Box 10500

Street Address: 1650 Tysons Boulevard

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

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071469-0319086

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 033975

Authorized User Name \_\_\_\_\_

9. Signature:

Jeffrey D. Karceski, Reg. No. 35914  
Name of Person Signing

January 24, 2006

Date

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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PATENT  
REEL: 017501 FRAME: 0219

Please return signed/recorded to:  
Pillsbury Winthrop LLP  
Intellectual Property Group  
P.O. Box 10500  
McLean, VA 22102

Atty. Dkt. PC6018A2 | PC6018A2  
M# | Client Ref.

**ASSIGNMENT**  
**of U.S. Origin Patent Application**

WHEREAS, the undersigned, to wit:

- |                            |                |
|----------------------------|----------------|
| 1) Thomas HAMELIN          | 2) Jay WALLACE |
| 3) Arthur H. LAFLAMME, Jr. | 4) _____       |
| 5) _____                   | 6) _____       |
| 7) _____                   | 8) _____       |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 306772

and entitled: PROCESSING SYSTEM AND METHOD FOR TREATING A SUBSTRATE

for which an application for Letters Patent of the United States

☐ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

☐ was filed on November 12, 2003, Appln. No. 10/705,201 ;

AND WHEREAS Tokyo Electron Limited

(hereinafter ASSIGNEE), duly organized and existing under the laws of the Country of JAPAN

and having its principal office and place of business at 3-6, Akasaka 5-chome, Minato-ku, Tokyo 107, JAPAN

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

Signature

Date Signed

Witness

1)   
Name: Thomas HAMELIN


11/19/03




2)   
Name: Jay WALLACE

11/19/03



3)   
Name: Arthur H. LAFLAMME, Jr.

11/19/03



4) \_\_\_\_\_  
Name: \_\_\_\_\_

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5) \_\_\_\_\_  
Name: \_\_\_\_\_

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6) \_\_\_\_\_  
Name: \_\_\_\_\_

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7) \_\_\_\_\_  
Name: \_\_\_\_\_

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8) \_\_\_\_\_  
Name: \_\_\_\_\_

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