07-11-2003



orney Docket <u>UD 051536-4</u>

RECORDATION

102494027

| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof (with signed English translation if needed). |  |  |  |  |
|---|--|--|--|--|
| 1. Name of conveying party( ies):  1. Shigeki DOBA 2. 3.  Additional name(s) of conveying party(ies) attached?  Yes No  | Name and address of receiving party ( ies):     Name: Tokyo Electron Limited     Address: 3-6, Akasaka 5-chome, Minato-ku     Tokyo 107-8481 Japan |  |  |  |
| 3. Nature of conveyance:  |  |  |  |  |
| Assignment  Security Agreement  Change of Name  Change of Address (old address above)  Execution Date(s):  1. June 17, 2003   | Additional name(s) & addresses(es) attached?  Yes No   |  |  |  |
| 4. Application number(s) or patent number(s)  |  |  |  |  |
| Being filed together with a new application.  |  |  |  |  |
| Patent Application No.(s): 29/182,142   | Patent No.(s):   |  |  |  |
| Additional numbers attached   | ? □ <sub>Yes</sub> ⊠ <sub>No</sub>   |  |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:   | 6. Total number of applications and patents involved:  |  |  |  |
| Name: Cynthia R. Miller  Address: Ladas & Parry 26 West 61 <sup>st</sup> Street New York, N.Y. 10023  | 7. Total fee (37 CFR 3.41)   |  |  |  |
| DO NOT USE THIS SPACE   |  |  |  |  |
| 9. Signature:  CYNTHIA R. MILLER  Name of Person Signing  Total number of pages including coversheet, attachments, and documents:  5                                |  |  |  |  |
| /10/2003   MIET   ED 0000199 29182142   |  |  |  |  |

01 FC:8021

(Assignment (Document) Cover Sheet—page 2 of 2) 16-6

**PATENT REEL: 014245 FRAME: 0184** 

**PATENT** 

|   | For:       | ☑ U.S. Application or  |
|---|------------|--|
|   |            | ☐ U.S. Provisional Application   |
|   | For:       | ☐ U.S. Patent  |
|   | For:       | □ PCT Application  |
|   | By:        | Inventor(s) or □ Present Owner   |
| ASSI  | GNMEN      | NT OF INVENTION  |
|   |            | GNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and for other good and valuable consideration, |
| ASSIGNOR:   |            |  |
| Inventor(s) or person(s) or entity(ies) who own the invention |            |  |
|   |            | Shigeki DOBA   |
|   |            | (type or print name(s) of ASSIGNOR(S)) c/o Tokyo Electron AT Limited                               |
|   |            | Address  |
|   |            | 2381-1, Kitagejyo, Fuji-cho, Nirasaki-shi  |
|   |            | Yamanashi 407-8511 Japan   |
|   |            | Japanese   |
|   |            | Nationality  |
|   |            | to whom invention was previously assigned<br>d in PTO, add the following)                          |
| Recorded on   |            |  |
|   | Frame      |  |
| hereby sells, assigns and transfers to                        |            |  |
| ASSIGNEE:   |            | TOKYO ELECTRON LIMITED   |
|   |            | (type or print name(s) of ASSIGNEE(S))   |
|   |            | 3-6, Akasaka 5-chome, Minato-ku  |
|   |            | Address  |
|   |            | Tokyo 107-8481 Japan   |
|   |            | Japanese   |
|   |            | Nationality  |
| and the successors, assigns and legal re                      | enresentat | tives of the ASSIGNEE  |

For: 

☑ U.S. and/or ☐ Foreign Rights

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|         |           | $\boxtimes$  | the entire right, title and interest  |  |  |  |
|---------|-----------|--|---|--|--|--|
|         |           |  | an undivided percent (%) interest   |  |  |  |
| for the | United S  | States an  | d its territorial possessions   |  |  |  |
|         |           |  | (check the following box, if foreign rights are also to be assigned)  |  |  |  |
|         |           |  | and in all foreign countries, including all rights to claim priority,   |  |  |  |
| INNER   | -         | LL SH  | provements which are disclosed in the invention entitled:  IIELD OF A PROCESS CHAMBER FOR MANUFACTURING   |  |  |  |
| Name o  | of invent | tor(s) <u>Sh</u>   | igeki DOBA  |  |  |  |
|         |           |  | (check and complete (a), (b), (c), (d), (e), (f) or (g))  |  |  |  |
| and wh  | ich is fo | und in (3  | 37 C.F.R. § 3.21)   |  |  |  |
|         | (a)       | ⊠ `  | U.S. patent application executed on even date herewith  |  |  |  |
|         | (b)       |  | U.S. patent application executed on   |  |  |  |
|         | (c)       | U.S. provisional application naming the above inventor(s) for the above-entitled invention |   |  |  |  |
|         |           |  | To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known. |  |  |  |
|         | (d)       |  | U.S. application no. 29/182,142 filed on May 20, 2003   |  |  |  |
|         | (e)       |  | International application no. PCT /filed on   |  |  |  |
|         | (f)       |  | U.S. patent noissued  |  |  |  |
|         |           |  | A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.   |  |  |  |
|         |           |  | (also check (g), if foreign application(s) is also being assigned)  |  |  |  |
|         | (g)       |  | and any legal equivalent thereof in a foreign country, including the right to claim priority  |  |  |  |
|         |           |  | ers Patent to be obtained for said invention by the above application or any renewal, or substitute thereof, and as to letters patent any reissue or re-  |  |  |  |

examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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**PATENT REEL: 014245 FRAME: 0186**  ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this

**RECORDED: 07/07/2003** 

|       | WARMING:    |              | aate oj signing must be t<br>ked above. | me same as the date of execution of the application, if item (a) we   |
|-------|-------------|--------------|---|---|
| Date: | (X) June 17 | 7 <u>,</u> 2 | 003                                     | (X) Shigeli Roba Signature of ASSIGNOR(S)   |
|       |             |              |   | Signature of ASSIGNOR(S) Shigeki DOBA   |
| Date: |             |              |   |   |
| Date: |             |              |   |   |
| Date: |             |              |   |   |
|       |             |              |   |   |
|       |             | (if ASS      | SIGNOR is a legal entity                | , complete the following information)   |
|       |             |              |   | (type or print the name of the above person authorized to sign on behalf of ASSIGNOR)                                     |
|       |             |              |   | Title   |
| NOTE: | , G,        |              |   | ecessary. If the assignment is notarized or legalized, then it will onl<br>261. Use next page if notarization is desired. |
|       |             |              | Notarization or Le                      | egalization Page Added.   |

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PATENT REEL: 014245 FRAME: 0187