

10-02-2001

BOX ASSIGNMENTS

DO NOT USE FOR TRADEMARKS



ET ONLY

TO THE ASSISTANT COMMISSIONER... 101863879  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Tadahiro OHMI
- 2. Shigetoshi SUGAWA
- 3. Katsuyuki SEKINE
- 4. Yuji SAITO
- 5.
- 6.
- 7.
- 8.



ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Tadahiro OHMI

ADDRESS: 1-17-301, Komegafukuro 2-Chome, Aoba-ku, Sendai-Shi, Miyagi 980-0813, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF  WHOLE  PART INTEREST
- ORIGINAL  FACSIMILE/PHOTOCOPY
- CHANGE OF NAME  VERIFIED TRANSLATION
- SECURITY  MERGER  OTHER:

EXEC. DATE: August 9, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached?  YES  NO

| A. PAT. APP. NO.(S)<br>series code/serial no | M#     | 1 <sup>st</sup> INVENTOR<br>if not in item 1 | B. PATENT NO(S) | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 |
|--|--------|--|-----------------|----|--|
| 09/866,576                                   | 281355 |  |                 |    |  |

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP  
Intellectual Property Group  
1600 Tysons Boulevard  
McLean, VA 22102

6. NUMBER INVOLVED:  
APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

|            |             |  |
|------------|-------------|--|
| P 281355   | EL01019CDC  | 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 |
| MATTER NO. | CLIENT REF. | UNDER ORDER NO. 40258 281355   |
|            |             | dup. sheet not required CLIENT NO. MATTER NO.  |

9.   
Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Attorney: Dale S. Lazar  
Reg. No. 28872 Date: September 21, 2001  
Atty/Sec: DSL/TPT/smm TEL: (703) 905-2126 FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

09/24/2001 BSAYAS11 00000044 09866576

06 FC:581

40.00 OP

|  |  |
|--|--|
| Continuation of item 2 RE<br>Name/Address of Assignee(s) |  |
| <u>Name</u><br>TOKYO ELECTRON LIMITED                    | <u>Address</u><br>3-6, Akasaka 5-Chome, Minato-ku, Tokyo 107-8481, Japan |



Please return signed/recorded to:

Pillsbury Winthrop, LLP  
Intellectual Property Group  
1100 New York Ave., NW  
Washington, DC 20005

USA Patent Appln.  
Sole or Joint

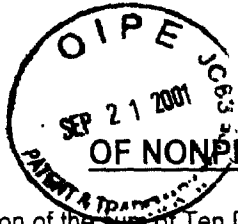
For inventions made outside USA  
executed with or after application

Atty. Dkt. PMS

M#

Client Ref.

NONPROVISIONAL



ASSIGNMENT  
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

|                                     |                      |   |
|-------------------------------------|----------------------|---|
| INSERT<br>NAME(S) OF<br>INVENTOR(S) | (1) Tadahiro OHMI    | (2) Shigetoshi SUGAWA                                 |
|                                     | (3) Katsuyuki SEKINE | (4) Yuji SAITO  |
|                                     | (5)                  | <input type="checkbox"/> x box if continued on page 2 |

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

|  |   |
|--|---|
| INSERT<br>NAME(S) OF<br>ASSIGNEE(S)<br>& ADDRESS(ES) | 1) Tadahiro OHMI<br>1-17-301, Komegafukuro 2-Chome, Aoba-ku, Sendai-Shi, Miyagi<br>980-0813 Japan |
|  | 2) TOKYO ELECTRON LIMITED<br>3-6, Akasaka 5-Chome, Minato-ku, Tokyo 107-8481 Japan                |

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF  
INVENTION

SEMICONDUCTOR DEVICE FORMED ON (111) SURFACE OF  
A Si CRYSTAL AND FABRICATION PROCESS THEREOF

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A)  even date herewith  
 (Complete) (B)  on August 9, 2001  
 line A, B and/or C (C)  in U.S. Appln. No. 09 / 866,576 filed May 29, 2001

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

| INVENTORS                     | DATE SIGNED    | WITNESSES |
|-------------------------------|----------------|-----------|
| 1):<br>Name: Tadahiro OHMI    | August 9, 2001 |           |
| 2)<br>Name: Shigetoshi SUGAWA | August 9, 2001 |           |
| 3)<br>Name: Katsuyuki SEKINE  | August 9, 2001 |           |
| 4) Name: Yuji SAITO           | August 9, 2001 |           |
| 5) Name:                      |                |           |
| Name:                         |                |           |