

04-22-1999



RDATION COVER SHEET - BOX ASSIGNMENT

101016792

ioner of Patents and Trademarks: Please record the attached
original documents or copies thereof.

1. Name(s) of Conveying Party(ies):

Kenichi NANBU and Tamotsu MORIMOTO

2. Name(s) and Address(es) of Receiving Party(ies):

Kenichi NANBU, 2-347, Takamori 4-chome,
Izumi-ku, Sendai-shi, Miyagi-ken, JAPAN; and

Tokyo Electron Limited, 3-6, Akasaka 5-Chome, Minato-Ku, Tokyo-To, JAPAN

3. Nature of Conveyance:

Assignment

Execution Date:

March 9, 1999

4A. Patent Application No.(s):

09/233,073

Application Execution Date:

4B. Patent No.(s):

5. Name and Address of Party to Whom Correspondence Regarding This Document Should Be Mailed:

SMITH, GAMBRELL & RUSSELL, LLP
The Beveridge, DeGrandi, Weilacher & Young
Intellectual Property Group, Ste 800,
1850 M St, NW, Washington, D.C. 20036
(202) 659-2811

Attorney Docket No.:

33082W001 (33082R003)

04/21/1999 ANCHOR 00000079 09233073

01 FC:581

40.00 (P)

6. Total Number of Applications and Patents involved:

ONE

7. Total Fee:

\$40.00

(Enclosed. Please charge any deficiency or refund any excess to counsel's
deposit account.)

8. Deposit Account No.: 02-4300

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9. **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.

Dennis C. Rodgers
Dennis C. Rodgers, Registration No. 32,936

April 20, 1999

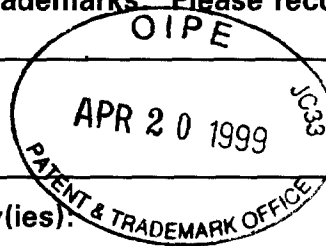
Date

Total Number of Pages (including cover sheet):

4

PATENT
REEL: 9891 FRAME: 0890

4.20.99



A S S I G N M E N T

WHEREAS, I/we, the undersigned inventor/inventors
(hereafter referred to as ASSIGNOR/ASSIGNORS), have invented a
certain new and useful invention entitled: _____
ETCHING METHOD

_____ for which an application for United States Letters Patent [] is
being filed concurrently herewith, [X] was filed on _____
January 19, 1999 as U.S. Application Ser. No. 09/233,073, and
which claims the benefit of Japanese Priority Application(s) _____
89421/1998 filed March 18, 1998.

WHEREAS, Kenichi NANBU, having a place of
(~~COMPANY~~ Name)
~~business~~ at 2-347, Takamori 4-chome, Izumi-ku, Sendai-shi,
(~~Company~~ Address)
Miyagi-ken, Japan,

(hereinafter referred to as ASSIGNEE A) is desirous of acquiring
50 % (fifty percent) undivided right, title and
(spell out)
interest in and to said invention and to said U.S. patent
application and any Letters Patent that may be granted therefore
in the United States.

WHEREAS, TOKYO ELECTRON LIMITED, having a place of
(Company Name)
business at 3-6, Akasaka 5-chome, Minato-ku, Tokyo-to, Japan
(Company Address)
_____,

(hereinafter referred to as ASSIGNEE B) is desirous of acquiring
50 % (fifty percent) undivided right, title
(spell out)

and interest in and to said invention and to said U.S. patent application and any Letters Patent that may be granted therefore in the United States.

NOW, THEREFORE, in consideration of \$10.00 paid by each Assignee, and other good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I/we, the said ASSIGNOR/ASSIGNORS have sold, assigned and transferred unto said ASSIGNEE A, its successors and assigns an undivided 50 % (fifty percent) right, title and interest in and to said U.S. patent application, in and to any and all Letters Patent which may be granted therefor in the United States, its territories and possessions, and in and to any and all divisions, reissues, continuations, and extensions thereof and I/we, the said ASSIGNOR/ASSIGNORS have sold, assigned and transferred unto said ASSIGNEE B, its successors and assigns an undivided 50 % (fifty percent) right, title and interest in and to said U.S. patent application, in and to any and all Letters Patent which may be granted therefor in the United States, its territories and possessions, and in and to any and all divisions, reissues, continuations, and extensions thereof.

I/WE, the said ASSIGNOR/ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all of said Letters Patent, when granted, to said ASSIGNEE A, as the assignee of an undivided 50 % (fifty percent), title and interest in and to the same, for the use and

enjoyment of said ASSIGNEE A, its successors and assigns, and to said ASSIGNEE B, as the assignee of an undivided 50 % (fifty _____ percent), title and interest in and to the same, for the use and enjoyment of said ASSIGNEE B, its successors and assigns.

Further, it is agreed that I/we, the said ASSIGNOR/ASSIGNORS will communicate to said ASSIGNEE A and B or their representatives, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all division, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE A and B, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE A and B, their successors and assigns, to obtain and enforce proper protection for said invention in the United States, its territories and possessions.

IN TESTIMONY WHEREOF, I have hereunto set my hands

this 9th day of March, 1999.

Kenichi Nanbu

(Signature)

Kenichi NANBU

(Inventor Name)

this 9th day of March, 1999.

Tamotsu Morimoto

(Signature)

Tamotsu MORIMOTO

(Inventor Name)

this ____ day of _____, 199__.

(Signature)

(Inventor Name)

this ____ day of _____, 199__.

(Signature)

(Inventor Name)

this ____ day of _____, 199__.

(Signature)

(Inventor Name)