



103281351

10/586064

PAT20 Rec'd PCT/PTO

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OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET

PATENTS ONLY

Atty Docket 4447

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

7.14.06

1058140

1. Name of conveying party(ies)

Yasuzo Tanaka, Masao Murata,
Junpei Yuyama, Hiroshi Koshina,
Hiroto Uchida, Koji Hane,
Takanori Tsuji, Mitsuru Yahagi

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

2. Name and address of receiving party(ies)

Name: ULVAC, Inc.

Internal Address: _____

Street Address: 2500 Hagisono

Chigasaki-shi,

City: Kanagawa

State: _____

Country: Japan

Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12 June 2006

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

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)

07/25/2006 MKAYPAGH 00000080 10586064

(40.00 DP)

10/586064

Additional numbers attached? Yes No

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

Name: Floyd B. Carothers

Internal Address: Carothers and Carothers
Suite 500

Street Address: 445 Fort Pitt Bld.

City: Pittsburgh

State: PA Zip: 15219

Phone Number: (412) 471-3575

Fax Number: (412) 281-2180

Email Address: Pittspatent@aol.com

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)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____
Authorized User Name _____

9. Signature: Floyd B. Carothers
Signature

July 14, 2006
Date

Floyd B. Carothers
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 17

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:
(inventor(s) or
person(s) or entity(ies)
who own the invention)

Yasuzo Tanaka
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,
Kanagawa, Japan
Nationality a citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____
Reel _____
Frame _____

hereby sells, assigns and transfers to
ASSIGNEE:

ULVAC, Inc.
(Type or print name of ASSIGNEE)

Address
2500 Hagisono, Chigasaki-shi, Kanagawa, Japan
Nationality a corporation of Japan

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

- and in all foreign countries

in and to, any and all improvements which are disclosed in the invention entitled:

SPACER FORMING METHOD AND SPACER FORMING APPARATUS

(check and complete (a), (b), (c) or (d))

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on 12 June 2006
- (c) U.S. application serial no. _____ filed on _____
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(also check (e) if foreign application(s) is also being assigned)
- (e) and any legal equivalent thereof in a foreign country, including the right to claim priority

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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;

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 MAY 12, 2006 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Yasuzo Tanaka
 Signature of ASSIGNOR(S)
Yasuzo Tanaka

If ASSIGNOR 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: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.
 (Assignment of Invention[16-3]—page 2 of 2)

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ASSIGNOR:
(inventor(s) or
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who own the invention)

Masao Murata
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,
Kanagawa, Japan
Nationality a citizen of Japan

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Masao Murata

Signature of ASSIGNOR(S)

Masao Murata

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(Assignment of Invention[16-3]—page 2 of 2)

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ASSIGNOR:
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who own the invention)

Junpei Yuyama
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,
Kanagawa, Japan
Nationality a citizen of Japan

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Address
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Nationality a corporation of Japan

and the successors, assigns and legal representatives of the ASSIGNEE

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IN WITNESS WHEREOF, I/We have hereunto set hand and seal this JUN. 9, 2006 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Junpei Yuyama
 Signature of ASSIGNOR(S)
Junpei Yuyama

If ASSIGNOR 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

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 (Assignment of Invention[16-3]—page 2 of 2)

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By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

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ASSIGNOR:
(inventor(s) or
person(s) or entity(ies)
who own the invention)

Hiroshi koshina
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,

Kanagawa, Japan

Nationality a citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

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hereby sells, assigns and transfers to
ASSIGNEE:

ULVAC, Inc.
(Type or print name of ASSIGNEE)

Address
2500 Hagisono, Chigasaki-shi, Kanagawa, Japan

Nationality a corporation of Japan

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

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IN WITNESS WHEREOF, I/We have hereunto set hand and seal this MAY 11, 2006 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Hiroshi Koshina
 Signature of ASSIGNOR(S)
 Hiroshi Koshina

If ASSIGNOR 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

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(Assignment of Invention[16-3]—page 2 of 2)

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By: Inventor(s) or Present Owner

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ASSIGNOR:
(inventor(s) or
person(s) or entity(ies)
who own the invention)

Hiroto Uenida
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,
Kanagawa, Japan
Nationality a citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

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hereby sells, assigns and transfers to
ASSIGNEE:

ULVAC, Inc.
(Type or print name of ASSIGNEE)

Address
2500 Hagisono, Chigasaki-shi, Kanagawa, Japan

Nationality a corporation of Japan

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

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IN WITNESS WHEREOF, I/We have hereunto set hand and seal this MAY 17, 2006 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Hiroto Uchida

Signature of ASSIGNOR(S)

Hiroto Uchida

If ASSIGNOR 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

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(Assignment of Invention[16-3]—page 2 of 2)

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By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:
(inventor(s) or
person(s) or entity(ies)
who own the invention)

Koji Hane
(Type or print name(s) of ASSIGNOR(S))

Address
c/o ULVAC, Inc., 2500 Hagisono, Chigasaki-shi,
Kanagawa, Japan
Nationality a citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____
Reel _____
Frame _____

hereby sells, assigns and transfers to
ASSIGNEE:

ULVAC, Inc.
(Type or print name of ASSIGNEE)

Address
2500 Hagisono, Chigasaki-shi, Kanagawa, Japan

Nationality a corporation of Japan

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

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for the United States and its territorial possessions

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IN WITNESS WHEREOF, I/We have hereunto set hand and seal this JUN 12 2006 (Date of signing).

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Koji Hane
 Signature of ASSIGNOR(S)
Koji Hane

If ASSIGNOR 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

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Takarori Tsuji
(Type or print name(s) of ASSIGNOR(S))

Address
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Takanori Tsuji

Signature of ASSIGNOR(S)

Takanori Tsuji

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Mitsuru Yahagi
(Type or print name(s) of ASSIGNOR(S))

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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue 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;

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 MAY 12, 2006 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Mitsuru Yahagi
 Signature of ASSIGNOR(S)
Mitsuru Yahagi

If ASSIGNOR 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: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.
 (Assignment of Invention[16-3]—page 2 of 2)