

01-21-1999



SHEET

100947257

TO THE ASSISTANT COMMISSIONER These records are attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. John F. Wengert
2. Ivo Raaijmakers
3. Mike Halpin
4. Loren Jacobs
5. Michael J. Meyer
6. Frank van Bilsen
7. Matt Goodman
8. Eric Barrett
9. Eric Wood
10. Blake Samuels

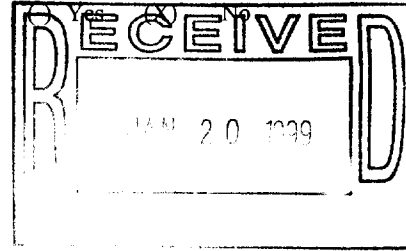
Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: Advanced Semiconductor Materials America, Inc.**Internal Address:****Street Address:** 3440 East University Drive**City:** Phoenix **State:** AZ **ZIP:** 85034-7200

Additional name(s) of receiving party(ies) attached?



3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

1. November 19, 1998
2. October 23, 1998
3. November 16, 1998
4. October 29, 1998
5. October 29, 1998
6. October 29, 1998
7. October 29, 1998
8. October 29, 1998
9. October 29, 1998
10. December 2, 1998

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/184,490

Filing Date: November 2, 1998

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Gordon H. Olson**KNOBBE, MARTENS, OLSON & BEAR, LLP****Customer No. 20,995****Internal Address:** Sixteenth Floor**Street Address:** 620 Newport Center Drive**City:** Newport Beach **State:** CA **ZIP:** 92660**Attorney's Docket No.:** ASMEX.172A

7. Total fee (37 CFR 3.41): \$40.00

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

01/21/1999 SBURNS 00000005 09184490

01 FC:581

40.00 DP

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.

Gordon H. Olson

Name of Person Signing


Signature

Jan. 15, 1998
Date

20,319

Registration No.

Total number of pages including cover sheet, attachments and document: 8

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

GHO-1126:jf
011599

ASSIGNMENT

WHEREAS, We, **John F. Wengert**, a U.S. citizen, residing at 610 Beaver Creek Road, Jacksonville, OR 97530, **Ivo Raaijmakers**, a Dutch citizen, residing at 2741 E. Bighorn Avenue, Phoenix, AZ 85048, **Mike Halpin**, a U.S. citizen, residing at 3435 E. Desert Trumpet Rd., Phoenix, AZ 85044, **Loren Jacobs**, a U.S. citizen, residing at 2135 W. Posada Avenue, Mesa, AZ 85202, **Michael J. Meyer**, a U.S. citizen, residing at 2344 E. Aspen Drive, Tempe, AZ 85282, **Frank van Bilsen**, a Dutch citizen, residing at 4411 E. Chandler Blvd., #1098, Phoenix, AZ 85044, **Matt Goodman**, a U.S. citizen, residing at 995 E. Baseline #2032, Tempe, AZ 85283, **Eric Barrett**, a U.S. citizen, residing at 5035 E. Downing, Mesa, AZ 85205, **Eric Wood**, a U.S. citizen, residing at 1549 S. Pico Circle, Mesa, AZ 85206 and **Blake Samuels**, a U.S. citizen, residing at 28 Spur Circle, Scottsdale, AZ 85251 have invented certain new and useful improvements in a **LONG LIFE HIGH TEMPERATURE PROCESS CHAMBER** for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, **Advanced Semiconductor Materials America, Inc.** (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 3440 East University Drive, Phoenix, Arizona 85034-7200, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) each to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of NOV, 1998

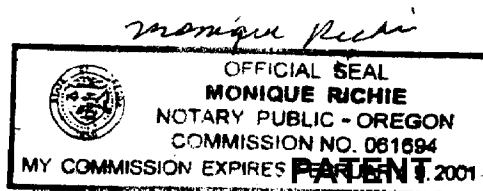
John F. Wengert
John F. Wengert

STATE OF OREGON

COUNTY OF JACKSON

⌋
|| ss.
⌋

On 11/19/98, before me, Monique Richie personally appeared **John F. Wengert** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



REEL: 9701 FRAME: 0743

WITNESS my hand and official seal.

[SEAL]

Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of Oct., 1998



Ivo Raaijmakers

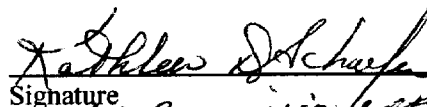
STATE OF Arizona
COUNTY OF Maricopa

]] ss.

On Oct 23 / 98, before me, Kathleen Schaefer personally appeared **Ivo Raaijmakers** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(~~s~~) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

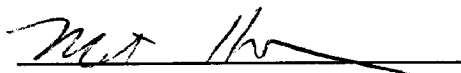
[SEAL]



Signature

My Commission Expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16 day of NOV, 1998



Mike Halpin

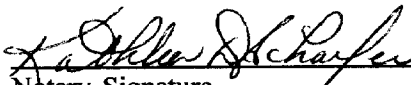
STATE OF Arizona
COUNTY OF Maricopa

} ss.

On 11/16/98, before me, Kathleen Schaefer personally appeared **Mike Halpin** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(~~s~~) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Notary Signature

My Commission Expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29th day of OCTOBER, 1998.

Loren Jacobs
Loren Jacobs

STATE OF Arizona
COUNTY OF Maricopa

]] ss.
]]

On 10/29/98, before me, Kathleen D. Schaefer personally appeared **Loren Jacobs** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Kathleen D. Schaefer
Signature
My Commission expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29th day of October, 1998

Michael J. Meyer
Michael J. Meyer

STATE OF Arizona
COUNTY OF Maricopa

]] ss.
]]

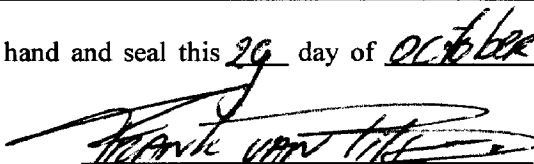
On 10/29/98, before me, Kathleen D. Schaefer personally appeared **Michael J. Meyer** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Kathleen D. Schaefer
Signature
My Commission expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of October, 1998

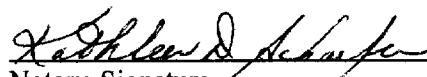

Frank van Bilsen

STATE OF Arizona }
COUNTY OF Maricopa } ss.


On 10/29/98, before me, Kathleen D. Schaefer personally appeared **Frank van Bilsen** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]


Notary Signature
My Commission expires 4/1/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of October, 1998


Matt Goodman


STATE OF Arizona }
COUNTY OF Maricopa } ss.

On 10/28/98, before me, Kathleen D. Schaefer personally appeared **Matt Goodman** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Xat


Signature
My Commission expires 4/1/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29th day of October, 1998


Eric Barrett

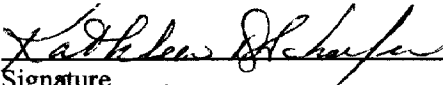
STATE OF Arizona
COUNTY OF Maricopa

]] ss.
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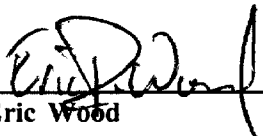
On 10/29/98, before me, Kathleen Dehaene personally appeared Eric Barrett personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]


Signature
My Commission expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of October, 1998


Eric Wood

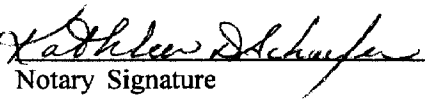
STATE OF Arizona
COUNTY OF Maricopa

} ss.
}

On 10/29/98, before me, Kathleen Dehaene personally appeared Eric Wood personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]


Notary Signature
My Commission expires 4/10/2000

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2 day of DEC 12, 1998

Blake Samuel
Blake Samuels

STATE OF Arizona }
COUNTY OF Maricopa } ss.

On 12/2/98, before me, Kathleen D. Schuler personally appeared **Blake Samuels** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Kathleen D. Schuler
Notary Signature
My Commission expires 4/10/2000