

08-28-1998

8-17-98



ET Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

FILED U. S. PTO
01561/60
08/17/98

<p>1. Name of conveying party(ies): Satish D. Athavale Leslie G. Jerde John A. Meyer Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Tegal Corporation</u> Address: <u>2201 S. McDowell Boulevard</u> <u>Petaluma, CA 94955-6020</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>July 30, 1998</u></p>	<p>4. Application number(s) or patent number(s): A. Patent Application No.: Title: <u>Method and Apparatus for Minimizing Semiconductor Wafer Arcing During Semiconductor Wafer Processing</u> Filed Date: <u>Herewith</u> B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If this document is being filed together with a new application, the execution date of the application is: <u>July 30, 1998</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Sheldon R. Meyer</u> Address: <u>Fliesler, Dubb, Meyer & Lovejoy</u> <u>Four Embarcadero Center, Suite 400</u> <u>San Francisco, CA 94111</u> Telephone: <u>(415) 362-3800</u></p>	<p>6. Total Number of applications and patents involved: <u>1</u> X \$40.00 each 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Check Enclosed 8. Fee Authorization. Authorization is given to charge any additional fees or credit any overpayment to Deposit Account No. 06-1325. Copy. (A duplicate copy of this authorization is <u>not</u> enclosed.)</p>
<p>9. Statement and signature. <i>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.</i> <u>Sheldon R. Meyer</u> Attorney (Reg. No.: <u>27,660</u>) <u>[Signature]</u> <u>8/17/98</u> Signature Date 10. Total number of pages to be recorded: <u>7</u> (1 page cover sheet and <u>6</u> page document).</p>	

08/21/1998 KHARLING 0000004 09135210
04 FC:381

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Satish D. Athavale,
a resident of 111 Elm Crest Drive, Fishkill, NY 12524; and

(2) Leslie G. Jerde,
a resident of 29 Del Oro Lagoon, Novato, CA 94949; and

(3) John A. Meyer,
a resident of 545 La Crosse Court, Rohnert Park, CA 94928; and

have invented certain new and useful improvements in:

METHOD AND APPARATUS FOR MINIMIZING
SEMICONDUCTOR WAFER ARCING DURING
SEMICONDUCTOR WAFER PROCESSING

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

1. On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;
- Or
2. Said application having SC/Serial Number ___/___,___ and filed on the ___ day of _____, 19__.

WHEREAS Tegal Corporation (hereinafter termed "Assignee"), a corporation of the State of California, having a place of business at 2201 S. McDowell Boulevard, Petaluma, CA 94955-6020, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d)

in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee before the Notary Public as given below.

Date of Execution of Declaration for Patent Application: _____

(1) _____
Satish D. Athavale

State of _____)
County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Signature _____

Date of Execution of Declaration for Patent Application:

7/30/98

(2) [Signature]
Leslie G. Jarde

State of California
County of Sonoma

On July 30, 1998 before me, Annette Wyrsoch, Notary Public
(name and title of officer)

personally appeared Leslie G. Jarde personally known to me ~~for 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/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their 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.

Signature [Signature]



Date of Execution of Declaration for Patent Application: 30 July 1998

(3) [Signature]
John A. Meyer

State of California
County of Sonoma

On July 30, 1998 before me, Annette Wyrsoch, Notary Public
(name and title of officer)

personally appeared John A. Meyer personally known to me ~~for 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/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their 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.

Signature [Signature]



JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Satish D. Athavale,
a resident of 111 Elm Crest Drive, Fishkill, NY 12524; and

(2) Leslie G. Jerde,
a resident of 29 Del Oro Lagoon, Novato, CA 94949; and

(3) John A. Meyer,
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SEMICONDUCTOR WAFER PROCESSING

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

1. On the Date of Execution of Declaration for Patent Application set forth below adjacent to my signature;
- Or
2. Said application having SC/Serial Number ___/___, ___ and filed on the ___ day of _____, 19__.

WHEREAS Tegal Corporation (hereinafter termed "Assignee"), a corporation of the State of California, having a place of business at 2201 S. McDowell Boulevard, Petaluma, CA 94955-6020, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d)

in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee before the Notary Public as given below.

Date of Execution of Declaration for Patent Application: June 5, 1998

(1) *Satish D. Athavale*
Satish D. Athavale

State of NEW YORK

County of DUTCHESS

On JUNE 5, 1998 before me, CAROL B LANGDON
(name and title of officer)

personally appeared SATISH D ATHAVALE, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Signature *Carol B Langdon*

CAROL B. LANGDON
Notary Public, State of New York
Residing in Dutchess County
Commission Expires Mar. 15, 1999

Date of Execution of Declaration for Patent Application: _____

(2) _____

Leslie G. Jerde

State of _____)

County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Signature _____

Date of Execution of Declaration for Patent Application: _____

(3) _____

John A. Meyer

State of _____)

County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Signature _____
