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

1. Name of conveying party(ies):

Hilario L. Oh

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

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Execution Date: October 20, 2000

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

Name: Silicon Valley Group, Inc.

Internal Address: _____

Street Address: 440 Kings Village RoadCity: Scotts ValleyState: California Zip: 95066Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/628,471

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Maria S. SwiatekInternal Address: FLEHR HOHBACH TEST
ALBRITTON & HERBERT LLPStreet Address: SUITE 3400
FOUR EMBARCADERO CENTERCity: SAN FRANCISCOState: CA Zip: 94111-41876. Total number of applications and patents
involved: [1]7. Total fee (37 CFR 3.41):.....\$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 06-1300Please debit any underpayment or credit any
overpayment to the above deposit account.Our Order No. A-69174/MSS

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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.*Maria S. Swiatek, Reg. No. 37,244
Name of Person Signing
SignatureDecember 21, 2000
DateTotal number of pages including cover sheet, attachments and document: [3]

OMB No. 0651-0011 (exp. 4/94)

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

Commissioner of Patents and Trademarks
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Washington, DC 20231File No. A-69174/MSS
1022355**PATENT**
REEL: 011420 FRAME: 0828

ASSIGNMENT

WHEREAS, the undersigned, **Hilario L. Oh**, a resident of **Rochester Hills, Michigan** has invented certain new and useful improvements ***IN-SITU METHOD AND APPARATUS FOR END POINT DETECTION IN CHEMICAL MECHANICAL POLISHING***, for which invention I have executed an application for Letters Patent of the United States.

WHEREAS, **SILICON VALLEY GROUP, INC.**, (hereinafter termed "Assignee"), a Corporation of the State of California, having a place of business at Scotts Valley, California, is desirous of acquiring 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 Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

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

1. Said Inventor does hereby sell, assign, transfer and convey unto 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 for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign 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; and (d) in and to each and every reissue or extension of any of said patents; and (e) all claims for damages by reason of past infringement of said Patents, with the right to sue for and collect the same for its own use and enjoyment, and for use and enjoyment of its successors, assigns or other legal representatives.

2. Said Inventor hereby covenants and agrees 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 foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution 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 prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) 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, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his respective heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument on the date below written.

Dated: Oct 20, 2000 Hilario L. Oh
Hilario L. Oh

State of Connecticut)
County of Fairfield) SS.

On October 20, 2000, before me, ANNE D. RICHARDS Notary Public, personally appeared Hilario L. Oh, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Anne D. Richards
Notary Public