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Atty. Dkt. No.: 20031331-US-NP(XCP-
9-17-04 043)

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1. Name of conveying party(ies):

JengPing Liu
Jackson H. Ho
Chinnwen Shih
Michael L. Chabinye
William S. Wong

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

☐ Yes ☒ No

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

Name: Palo Alto Research Center Incorporated

Street Address: 3333 Coyote Hill Road

City/State/Zip: Palo Alto, CA 94304

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 09/16/2004

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: 09/17/2004

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name:

Patrick T. Bever, Esq.
Bever, Hoffman & Harms, LLP
2099 Gateway Place, Suite 320
San Jose, CA 95110

6. Total number of applications and patents involved: [1]

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

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0574
(Attorney Docket No.: 20031331-US-NP)

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9. Signature.

Patrick T. Bever

Name of Person Signing

Signature

September 17, 2004

Date

Total number of pages including cover sheet, attachments, and document: [2]

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PATENT
REEL: 015812 FRAME: 0027

ASSIGNMENT

Attorney Docket No.: D/20031331-US-NP (XCP-043)

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **"SUB-RESOLUTION GAPS GENERATED BY CONTROLLED OVER-ETCHING"** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)").

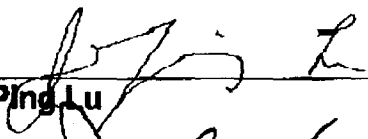
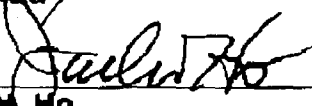

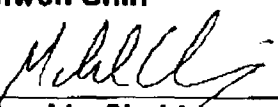
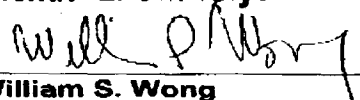
which Application:

- ☒ is being executed concurrently herewith,
☐ was first executed on _____
☐ was filed on _____ as Application Number _____
☐ claims the benefit of U.S. Provisional Application(s) No(s). _____ / _____ filed _____

Palo Alto Research Center Incorporated, a Delaware corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

 _____ JengPing Lu	Date: <u>9/16/2004</u>
 _____ Jackson H. Ho	Date: <u>9/16/04</u>
 _____ Chinwen Shih	Date: <u>9/16/04</u>
 _____ Michael L. Chablynyc	Date: <u>9/16/04</u>
 _____ William S. Wong	Date: <u>9/16/04</u>