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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of

the attached original document or copy thereof.

1. Name of conveying party(ies):

Jim Xu

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

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

Name: Hewlett-Packard Company

Internal Address: 3000 Hanover Street

Palo Alto, California 94304-1185

Street Address: 3000 Hanover Street

City: Palo Alto State: CA ZIP: 94304-1185

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: July 28, 1998

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)

09/097,914

B. Patent No.(s)

N/A

Additional numbers attached? Yes No

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

Name: SNELL & WILMER L.L.P.

Internal Address: Attn: R. Lee Fraley

Street Address: One Arizona Center

400 East Van Buren

City: Phoenix State: AZ ZIP: 85004-0001

6. Total number of applications and patents involved:

1

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

- Enclosed - check no. 271195
- Deficiency only** authorized to be charged to deposit account

8. Deposit account number:

19-2814

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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.

R. Lee Fraley - Reg. No. P-42,550

Name of Person Signing

R. Lee Fraley 42,550

Signature

Aug 18, 1998

Date

08/27/1998 INBUYEN 00000234 09097914

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

2

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, my entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

Method And Apparatus For Improving Die Planarity And Global Uniformity Of SemiConductor Wafers In A Chemical Mechanical Polishing Context

Filing date: June 16, 1998 Serial No.: 09/097,914

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-1-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I additionally authorize Speedfam Corporation to file applications in my name for Letters Patent in any country, to be held and enjoyed in joint tenancy by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, and transfer not been made;

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and I agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-1-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HP;

AND I hereby authorize and request the Commissioner of Patents and Trademarks 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 to HP and Speedfam Corporation in joint tenancy, as assignees of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct HP or Speedfam Corporation attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

[Signature] Date Assignment Signed: 7/28/98
Inventor's Signature (Seal)

Inventor's Typed Name: Jim Xu Date Application Signed: 7/14/98

State of Oregon)
County of Benton) ss.:

Before me this 28th day of July, 1998, personally appeared Jim Xu who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Shellie Schiel
Notary Public
My commission expires: 1/21/02
PATENT