

05-22-2002



Attorney Docket No. 10012063-1

1. Name of conveying party(ies)  
Michael D. Miller  
Michael Hager  
Naoto A. Kawamura  
Roberto Pugliese Jr.  
Ronald L. Enck  
Susanne L. Kumpf

102099684

2002 APR 30 AM 9:35

FINANCE SECTION

4-30-02

Address of receiving party(ies):

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

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

Additional name(s) & address(es) attached? \_\_\_ Yes  No

3. Nature of Conveyance:

Assignment \_\_\_ Merger \_\_\_ Change of Name  
\_\_\_ Security Agreement \_\_\_ Other

Execution Date(s): 4/4/02; 4/5/02; 4/10/02

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

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

A. Patent Application No.(s)

B. Patent No.(s)

Application No.: 10/061,836

Date Filed: Jan 31, 2002

Confirmation No.: 9497

Additional numbers attached? NO

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

Records Manager  
HEWLETT-PACKARD COMPANY  
16399 W. Bernardo Drive  
Mail Stop 66-838  
San Diego, CA 92127-1899

6. Total number of applications and patents involved: 1

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

\_\_\_ Enclosed

Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

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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.

Paul W. Mitchell

Name of Person Signing

Signature

Apr 18, 2002

Date

Total number of pages including cover sheet, attachments, and document: 6

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

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05/21/2002 GTON11 00000045 082025 10061836

01 FC:581 40.00 CH

Commissioner for Patents  
Box Assignment  
Washington, D.C. 20231

**PATENTS ONLY**

Attorney Docket No. 10012063-1

1. Name of conveying party(ies):

Shen Buswell  
Mehrgan Khavari

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

**HEWLETT-PACKARD COMPANY**  
**Intellectual Property Administration**  
**P.O. Box 272400**  
**Fort Collins, Colorado 80527-2400**

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PATENT APPLICATION  
ATTORNEY DOCKET NO. 10012063-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) 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/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

Methods and Systems for Forming Slots in a Substrate

Filing date: Jan 31, 2002 Application No.: 10/061,836

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-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/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed 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/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we 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/we 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-I-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/us in lending such cooperation and assistance are paid by HP;

AND I/we 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, as assignee 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/we further authorize and direct HP 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.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

*Michael D Miller* Date Assignment Signed: 4/5/02  
Inventor's Signature (Seal)

Inventor's Typed Name: Michael D. Miller Date Application Signed: 4/5/02

State of \_\_\_\_\_ )  
                                  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Michael D. Miller 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

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Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):

Michael Hager Date Assignment Signed: 4/4/02  
Inventor's Signature (Seal)

Inventor's Typed Name: Michael Hager Date Application Signed: 4/4/02

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Michael Hager 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

Naoto A. Kawamura Date Assignment Signed: 4/10/02  
Inventor's Signature (Seal)

Inventor's Typed Name: Naoto A. Kawamura Date Application Signed: 4/10/02

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Naoto A. Kawamura 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

Roberto Pugliese Jr. Date Assignment Signed: 4/4/02  
Inventor's Signature (Seal)

Inventor's Typed Name: Roberto Pugliese Jr. Date Application Signed: 4/4/02

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Roberto Pugliese Jr. 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

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PATENT APPLICATION  
ATTORNEY DOCKET NO. 10012063-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF I we hereunto set my/our hand(s) and seal(s):

  
Inventor's Signature (Seal) Date Assignment Signed: 04/04/2002

Inventor's Typed Name: Ronald L. Enck Date Application Signed 04/04/2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Ronald L. Enck 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.

\_\_\_\_\_  
Notary Public  
My commission expires:


  
Inventor's Signature (Seal) Date Assignment Signed: 04/05/2002

Inventor's Typed Name: Susanne L. Kumpf Date Application Signed 04/05/2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Susanne L. Kumpf 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

  
Inventor's Signature (Seal) Date Assignment Signed: 04/04/2002

Inventor's Typed Name: Shen Buswell Date Application Signed 04/04/2002

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Shen Buswell 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

(Use Next Page For Additional Inventor(s) Signature(s))

Page 3 of 4

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ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):

[Signature] Date Assignment Signed: 4/4/2002  
Inventor's Signature (Seal)

Inventor's Typed Name: Mehrgan Khavari Date Application Signed 4/4/2002

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Mehrgan Khavari 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

\_\_\_\_\_  
Date Assignment Signed: \_\_\_\_\_  
Inventor's Signature (Seal)

Inventor's Typed Name: \_\_\_\_\_ Date Application Signed \_\_\_\_\_

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ 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.

\_\_\_\_\_  
Notary Public  
My commission expires:

\_\_\_\_\_  
Date Assignment Signed: \_\_\_\_\_  
Inventor's Signature (Seal)

Inventor's Typed Name: \_\_\_\_\_ Date Application Signed \_\_\_\_\_

State of \_\_\_\_\_ )  
  ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ 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.

\_\_\_\_\_  
Notary Public  
My commission expires: