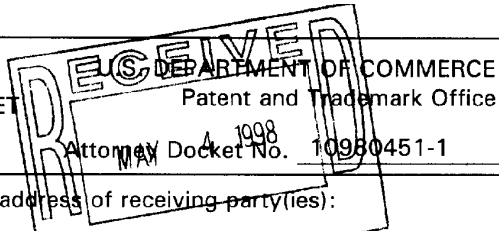


06-04-1998



100727609

SHEET



1. Name of conveying party(ies):

Jeffrey S. McAllister  
Thomas R. Albrecht

MRB  
5/4/98

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

HEWLETT-PACKARD COMPANY  
Legal Department, M/S 20BN  
3000 Hanover Street  
Palo Alto, CA 94304

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): 04/29/98; 04/24/98

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)

Serial No.: 09/045,548 Date Filed: 03/20/98

Additional numbers attached? NO

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

Records Manager  
HEWLETT-PACKARD COMPANY  
Legal Department - 314  
P.O. Box 15  
Boise, Idaho 83707

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

06/02/1998 TSM0077 00000110 082025 09045548  
Sale Ref: 00000278 DM: 082025 09045548  
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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.*

Terri Walker

Name of Person Signing

Signature

4/30/98

Date

Total number of pages including cover sheet, attachments, and document: 3

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

Do Not detach this portion

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

Commissioner of Patents and Trademarks  
Box Assignment  
Washington, D.C. 20231

PATENT

REEL: 9204 FRAME: 0641

When recorded please return to:  
HEWLETT-PACKARD COMPANY  
Legal Department, 20BN  
P. O. Box 10301  
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10980451-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, (hereinafter HP), and INTERNATIONAL BUSINESS MACHINES CORPORATION (hereinafter IBM), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to HP and IBM, 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:

Two Axis Reading Of Memory Chip In Cartridge

Filing date: 03/20/98

Serial No. 09/045,548

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 and IBM to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP and IBM, 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 or IBM, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP or IBM, 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 and IBM, 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 or IBM;

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 and IBM, 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 or IBM 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.

Jeffrey S. McAllister Date Assignment Signed: 30 April 1998  
Inventor's Signature (Seal)

Inventor's Typed Name: Jeffrey S. McAllister Date Application Signed: 30 April 1998

State of Idaho )  
 ) ss.:  
County of Ada )

Before me this 30<sup>th</sup> day of April, 1998, personally appeared Jeffrey S. McAllister 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.

James Z. Walker  
Notary Public  
My commission expires: 10/29/98

When recorded please return to:

HEWLETT-PACKARD COMPANY  
Legal Department, 20BN  
P. O. Box 10301  
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10980451-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Thomas R. Albrecht Date Assignment Signed: 4/24/98  
Inventor's Signature (Seal)

Inventor's Typed Name: Thomas R. Albrecht Date Application Signed: \_\_\_\_\_

State of CALIFORNIA )  
County of SANTACLAARA ) ss.:

Before me this 24<sup>th</sup> day of April 1998, personally appeared Thomas R. Albrecht 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.



Gurdeep Singh Sohal  
Notary Public  
My commission expires: NOV 11 2000

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

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

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

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: \_\_\_\_\_

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

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

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

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: \_\_\_\_\_