| 9M PTO-1595 06 - 11 - 20 | | O1 | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | |
|--|--------------|---|---|--|
| | | | Attorney Docket No. 10990359-1 | |
| Name of conveying party(ies). | 10174486 | 3d addre | ess of receiving party(ies): | |
| Fong Pong Tung Nguyen 6-4-0) | | Intellectual Prop P.O. Box 2724 | KARD COMPANY perty Administration 00 lorado 80527-2400 | |
| Additional name(s) of conveying party(ies) attached | dYes No | Additional name(s) & ā | JUN - 4 2001 ddress(es) attached?Yes _X_ No | |
| 3. Nature of Conveyance: | | | | |
| X Assignment | Merger | | _ Change of Name | |
| Security Agreement | Other | | | |
| Execution Date(s): January 26, 2001 & | May 25, 2001 | | | |
| 4. Application number(s) or patent numb | er(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.: 09/557,380 Date Filed: 04/25/2000 | | | | |
| Additional numbers attached? NO | | | | |
| Name and address of party to whom correspondence concerning document should be mailed: Records Manager | | 6. Total number of applications and patents involved: | | |
| | | 7. Total Fee (37 CFR 3.41): \$40.00 | | |
| HEWLETT-PACKARD COMPANY Ann Jesus | | Enclosed | | |
| 1501 Page Mill Rd M/S 4U-10 Palo Alto, CA 94304 | | X Authorization to be charged to deposit account. | | |
| | | 8. Deposit Accour | nt Number:08-2025 | |
| 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. | | | | |
| Lloyd E. Dakin, Jr. | 78,10 | 211 | May 25, 2001 | |
| Name of Person Signing | Signature | - Lary | 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 for Patents Box Assignment Washington, D.C. 20231 | | | | |

Rev 10/00 (Recdasgn)

PATENT REEL: 011867 FRAME: 0081

PATENT APPLICATION

ATTORNEY DOCKET NO. 10990359-1

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

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:

| an application | for Letters Pate | nt of the United | States entitled: | | |
|--|---|--|---|--|---|
| Computer Sys | stem And Meth | od For Enhanci | ng Memory To Me | mory Copy Transaction | s By Utilizing |
| Multiple Syste | m Control Units | | | | |
| Filing date: | 04/25/2000 | | Serial No.: _ | 09/557,380 | ···· |
| continuations-i Letters Patent | in-part (C-I-P's), , and any and al | divisionals, and Il Letters Patent (| renewals of and s of the United States | n, and any and all ubstitutes for said appli and of countries foreigr ninations, or extensions | cation for said thereto which |
| be held and er the term or te | njoyed by HP, it erms for which ely as the sam | s successors, as said Letters Pate | signs, nominees or lent respectively may | ne for Letters Patent in a legal representatives, to be granted, reissued o ded by me/us had this as | the full end of r extended, as |
| that I/we have covenant and deliver all such improvement(s representative; invention(s) oproceedings, treissue and feverything posenforce, for its any and all control covenant and all covenant and all control covenant and all | e not executed agree that I/we in papers as mode, said applications, and I/we agreed improvement of sign all lawfur oreign applications ible to aid HP, sor their own I | and will not exe will, each time ay be necessary on and said Lette eto communicate(s), said applicated appears, to exe ons, to make a its successors, benefit, proper puthe expenses w | cute any agreement a request is made, or desirable to pers Patent, to HP, its te to HP, or to its not ation and said Let cute all disclaimers all rightful oaths are assigns, nominees a atent protection for | the entire interest hereing in conflict herewith, and and without undue delay erfect the title to said successors, assigns, no prince, all known facts ters Patent, to testify and divisionals, continuing declarations, and grand legal representatives said invention(s) or impose the continuity of the c | nd I/we further y, execute and invention(s) or minees or legal respecting said in any legal ations, C-I-P's, enerally to do to obtain and |
| States and any patents on app and all Letters United States | y official of any plications as afo Patent for said which may be | country or coun resaid, to issue t invention(s) or i | tries foreign to the l o HP, as assignee of mprovement(s), incli | Patents and Trademarks United States whose dut If the entire right, title an United any and all Letters Tesult of the application | y it is to issue d interest, any s Patent of the |
| application nov | w identified by [.] | the attorney doc | ket number and title | serial number and filing set forth above as sooned Trademark Office. | g date of said n as the same |
| IN WITNER | sond [| we hereunto set | my/our hand(s) and Date Assignment Signe | seal(s): d: 5 /25/200 | |
| nventor's Typed N | Name: Fong Pong | | Date Applica | tion Signed: $5/25$ | 12001 |
| State of Call- | fornia | • | | · | • |
| County of SUN! | ta Clara |) ss.:) | | | |
| Before me this | 25 th M | af 2001 | personally appearedF | ong Pong | who is |
| | | o n the basis of sat i | | the person who acknowled | |
| nstrument of assig | nment to be his/ber | | ANN W. JESUS | Mull | Man |
| | • | | mission # 1286960 | | June 1 |

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

Notary Public - California

Santa Clara County My Comm. Expires Dec 11,2004

Page 1 of 2

REEL: 011867 FRAME: 0082

My commission expires:

When recorded please return to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

| PATEN | T APPLICATION |
|---------------------|---------------|
| ATTORNEY DOCKET NO. | 10990359-1 |

ASSIGNMENT OF PATENT APPLICATION (cont.)

| IN WITNESS WHEREOF, I we hereunto set my | /our hand(s) and seal(s): |
|--|--|
| Inventor's Signature (Seel) | Date Assignment Signed: 1/26/2001 Date Application Signed: 1/26/2001 |
| Inventor's Typed Name: Tung Nguyen | Date Application Signed: 1/26/2001 |
| State of California) | |
| County of Stante. Classes | |
| Before me this 2 6 day of MUC/42001. | personally appeared who is |
| personally known or proved to me on the basis of sa instrument of assignment to be his/per free act and deed. | tisfactory evidence to be the person who acknowledged the foregoing |
| ANN W. JESUS Commission # 1286960 Notary Public - California Santa Clara County My Comm. Expires Dec 11, 2004 | Notery Public My commission expires: 2 11 200(1 |
| 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 known or proved to me on the basis of sa instrument of assignment to be his/her free act and deed. | personally appeared who is tisfactory evidence to be the person who acknowledged the foregoing |
| | Notery Public |
| | My commission expires: |
| Inventor's Signature (Seal) | Date Assignment Signed: |
| • | Data Application Cinneds |
| Inventor's Typed Name: | Date Application Signed: |
| State of) ss.: | |
| County of) | |
| Before me this day of, personally known or proved to me on the basis of sa instrument of assignment to be his/her free act and deed. | personally appeared who is tisfactory evidence to be the person who acknowledged the foregoing |
| | Notary Public |
| | My commission expires: |
| (Use Page Three For Additi | onal Inventor(s) Signature(s)) Page 2 of 2 |

Rev 10/00 (Assign)

RECORDED: 06/04/2001

PATENT REEL: 011867 FRAME: 0083