FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 1-31-92 Patent and Trademark Office REC MNO 2-28-00 Attorney Docket No. 10971441-1 101312714 <del>राद्धि</del>, ∀ ‱... 2. Name and address of receiving party(ies): 1. Name of conveying party(jes): 10 FEB 28 AM II: 15 ... Robert A. Rust **HEWLETT-PACKARD COMPANY** OPR/FINANCE Intellectual Property Administration Douglas L. Voigt P.O. Box 272400 Fort Collins, Colorado 80528-9599 Yes X No Additional name(s) & address(es) attached? \_\_\_\_Yes \_\_X No Additional name(s) of conveying party(ies) attached 3. Nature of Conveyance: X Assignment Merger Change of Name Security Agreement Other Execution Date(s): 10/25/99 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: B. Patent No.(s) A. Patent Application No.(s) Serial No.: 09/426,831 Date Filed: 10/25/99 Additional numbers attached? NO 5. Name and address of party to whom correspondence |6. Total number of applications and patents involved:  $\frac{1}{2}$ concerning document should be mailed: 7. Total Fee (37 CFR 3.41): . . . . \$40.00 Records Manager **HEWLETT-PACKARD COMPANY** Enclosed Legal Dept - 314 P.O. Box 15 X Authorization to be charged to deposit account. Boise, ID 83707-0015 8. Deposit Account Number: 08-2025 DO NOT USE THIS SPACE 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. Chris Griffin Name of Person Signing Total number of pages including cover sheet, attachments, and document: 4 OMB No. 0651-0011 (exp. 4/94) Do Not detach this portion Mail document to be recorded with required cover sheet information to: 4/06/2000 TTDN11 00000181 082025 Commissioner of Patents and Trademarks **Box Assignment** 40.00 CH 01 FC:581 Washington, D.C. 20231

04-10-2000

PATENT REEL: 010677 FRAME: 0460

## PATENT APPLICATION

PATENT of 2

ATTORNEY DOCKET NO. 10971441-1

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

## **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:

|  |   | thm With Em   | bedded Meta-  | Data For   | Partial Re  | cord Opera   | ation Augn   | nented With  |
|--|---|---|---|--|---|--|--|--|
| Expansion  | n Joints  |   |   |  |   |  |  |  |
| Filing da  | te:   | 10/25/99  |   | Seria  | l No.:  | 09/4   | 26,831   | -  |
| continua<br>Letters P  | tions-in-part   | t (C-I-P's), divi   | sionals, and reters Patent of   | enewals o<br>the United  | f and sub<br>States ar  | stitutes for id of countries.  | said appli<br>ries foreign   | continuations,<br>cation for said<br>thereto which<br>of said Letters  |
| be held a<br>the term<br>fully and   | and enjoyed<br>or terms f   | l by HP, its suc<br>or which said<br>s the same wo  | ccessors, assig<br>Letters Patent   | gns, nomin<br>respective   | ees or leg<br>ely may b   | al represen<br>e granted,  | itatives, to<br>reissued o   | iny country, to<br>the full end of<br>r extended, as<br>signment, and  |
| that I/we covenan deliver a improver legal representing legal pro C-I-P's, everything enforce, any and | e have not that and agree all such paper of the | executed and that I/we will bers as may be application is, and I/we ntion(s) or implication application aid HP, its heir own bene | will not execu, each time a less recessary of and said Lette agree to comprovement(s), so that to make successors, as fit, proper pate the expenses | te any agi<br>request is<br>or desirabl<br>rs Patent,<br>municate<br>said applic<br>execute<br>e all rightf<br>ssigns, nor<br>ent protec   | reement in made, and e to performer to HP, it to HP, or ation and all disclaim ulloaths and tion for sation for sation for sation | n conflict hed without usect the titles successor to its no said Letters and conditional declarated legal reproductions. | erewith, ar undue delay e to said ors, assigns ominee, all s Patent, to divisionals, tions, and gesentatives n(s) or imp | assigned, and I/we further y, execute and invention(s) or s, nominees or known facts testify in any continuations, generally to do to obtain and rovement(s) in lending such |
| States a patents of and all L United S   | nd any offic<br>on application<br>etters Pater<br>States which  | cial of any cou<br>ons as aforesa<br>nt for said inve   | ntry or countri<br>id, to issue to<br>ention(s) or impuded<br>ued and gran  | es foreign<br>HP, as ass<br>provement  | to the Unignee of to<br>(s), includ   | ited States<br>he entire rig<br>ing any and  | whose du<br>ght, title an<br>d all Letter:   | s of the United<br>ty it is to issue<br>id interest, any<br>is Patent of the<br>in aforesaid, in   |
| applicati  | on now ide  |   | attorney docke  | et number  | and title s   | et forth ab  | ove as soc   | g date of said<br>on as the same   |
| IN.V   | VITNESS W   | HEREQF, I/we  | hereunto set m  | nv/our han   | d(s) and s  | eal(s):  |  |  |
| _ Ko   |   | Kust  |   |  |   | Ettob  | er 25,   | 1999_  |
|  |   | Robert A. Rust  |   | Da   | te Applicatio   | on Signed:(  | Ochoter  | 25, 1999   |
| State of   | Idaho   |   | )<br>) ss.:   |  |   |  |  |  |
| County of  | Ada   |   | )   |  | 10000   |  |  |  |
| personally   | known or pro  | day of <u>Oct., 19</u><br>oved to me on that to be his/her free   | e basis of atisis   | script appearance of the second secon | vete <mark>∧ Bol</mark><br>nce to pe t  | ert A. Rust<br>ne person wh  | no acknowled   | who is ged the foregoing   |
|  | <b>33</b>   |   | *   | PUBLI  |   | Notary Pu<br>My comm   | Chu) blic ission expires: 5/10   | Dux fi-  |

## PATENT APPLICATION ATTORNEY DOCKET NO. 10971441-1

## **ASSIGNMENT OF PATENT APPLICATION (cont.)**

| Low                         | S. S. Word   | <u>*</u>   | Date Assignment Signed: Cct. 25, 1999  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|--|
| Inventor's                  | Signature (Seal)   |  |  |  |  |  |  |
| Inventor's                  | Typed Name: Douglas  | L. Voigt   | Date Application Signed:   |  |  |  |  |
| State of                    | Idaho  | )  |  |  |  |  |  |
| County of                   | Ada  | ) ss.:   | 44511111111111   |  |  |  |  |
|                             |  | ·  | ABBRUS GRANIA  |  |  |  |  |
| Before personally instrumen | e me this <u>who</u> day of whown or proved to to to designment to be hi | Oct., 1999 me on the basis of s/her free act and dec | person by appropriate Douglas L. Voigt who is attractory evidence to be the person who acknowledged the foregoing to the person who acknowledged the person who acknow |  |  |  |  |
| Inventor's                  | Signature (Seal)   |  | Date Assignment Signed:  |  |  |  |  |
|                             |  |  | Date Application Signed:   |  |  |  |  |
| inventor                    | s Typed Name:  |  | Date Application Signed:   |  |  |  |  |
| State of                    |  | )<br>) ss.:  |  |  |  |  |  |
| County of                   |  | )  |  |  |  |  |  |
| personally                  | e me this day of<br>known or proved to<br>t of assignment to be hi       | me on the basis of s                                 | , personally appeared who is atisfactory evidence to be the person who acknowledged the foregoing i.   |  |  |  |  |
|                             |  |  | Notary Public  |  |  |  |  |
|                             |  |  | My commission expires:   |  |  |  |  |
| Inventor's                  | Signature (Seal)   | 2000   | Date Assignment Signed:  |  |  |  |  |
| inventor's                  | Typed Name:  |  | Date Application Signed:   |  |  |  |  |
| State of                    |  | )  |  |  |  |  |  |
| County of                   |  | ) ss.:<br>)  |  |  |  |  |  |
| personally                  | e me this day of<br>known or proved to<br>t of assignment to be hi       | me on the basis of s                                 | personally appeared who is atisfactory evidence to be the person who acknowledged the foregoing .  |  |  |  |  |
|                             |  |  | Notary Public  My commission expires:  |  |  |  |  |

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

Page 2 of 2

PATENT REEL: 010677 FRAME: 0462

**RECORDED: 02/28/2000**