| FORM PTO-1595<br>1-31-92 RECC  |  | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office torney Docket No. 10981756-1   |
|--|--|--|
| 1. Name of conveying party(ies):  James R. Stimple  Dennis Derickson  Eugene Rudkevich                   | O POR SOLITOR OF THE PARTY OF T | 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 X No   | Additional name(s) & address(es) attached?Yes _X_ No   |
| 3. Nature of Conveyance:   |  |  |
| X Assignment   | Merger   | Change of Name   |
| Security Agreement   | Other  |  |
| Execution Date(s): 11/16/98; 11/19/98  |  |  |
| 4. Application number(s) or patent number  | r(s):  |  |
| If this document is being filed together wi  | ith a new applic   | cation, execution date of the application is:  |
| A. Patent Application No.(s)   |  | B. Patent No.(s)   |
| Serial No.: 09/198,903 Date Filed: 1   | 1/24/98  |  |
| , A  | dditional numb   | ers attached? <u>NO</u>  |
| Name and address of party to whom co-<br>concerning document should be mailed                            |  | 6. Total number of applications and patents involved: 1  |
| Records Manager  | •  | 7. Total Fee (37 CFR 3.41): \$40.00  |
| HEWLETT-PACKARD COMPANY Legal Department, M/S 51UPB  |  | Enclosed Charge  |
| 5301 Stevens Creek Blvd.   |  | X Authorization to be charged to deposit account.  |
| Santa Clara, CA 95052-8059   |  |  |
|  |  | 8. Deposit Account Number: 08-2025   |
|  | DO NOT USE   | THIS SPACE   |
| 9. Statement and signature.  To the best of my knowledge and belief, true copy of the original document. | the foregoing in   | nformation is true and correct and any attached copy is a  |
| Dianna Baker   | TI   | Saker Feb 03, 1999   |
|  | Signature  | Date   |
| Total number   | of pages includin  | g cover sheet, attachments, and document: 6  |
| OMB No. 0651-0011 (exp. 4/94)  |  |  |
| Mail document to be recorded with require  | ed cover sheet<br>m <mark>missioner of F</mark>  | Patents and Trademarks   |
|  |  | Assignment<br>on, D.C. 20231   |

Rev 11/98 (Recdasgn)

PATENT REEL: 9755 FRAME: 0824

### PATENT APPLICATION

ATTORNEY DOCKET NO. 10981756-1

### **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:

| an application   | for Letters Pate   | nt of  | the United   | States entitle   |  | ,   | <b>,</b>  | .,  |
|--|--|--|--|--|--|---|---|---|
| Multi-Wavelen  | gth Polarization   | Scran  | nbiing Dev   | ice  |  |   |   |   |
| Filing date:   | November   | 24,  | 1998   | Seria  | l No.:   | 09/1  | 98,903  |   |
| continuations-<br>Letters Patent   | ention(s) and<br>in-part (C-I-P's)<br>, and any and a<br>ed thereon or th  | , divis<br>Il Lett   | sionals, an<br>ers Patent  | d renewals o<br>of the United  | f and su<br>States a   | bstitutes for and of countr   | said appl<br>ies foreigi  | ication for said<br>n thereto which   |
| be held and entitle term or to   | ionally authorize<br>njoyed by HP, i<br>erms for which<br>rely as the sam<br>een made;   | ts suc<br>said I   | cessors, a<br>Letters Pa   | ssigns, nomir<br>tent respectiv  | ees or le  | egal represent<br>be granted,   | atives, to<br>eissued o   | the full end of<br>or extended, as  |
| that I/we have<br>covenant and<br>deliver all suc-<br>improvement(si-<br>legal represen-<br>said invention<br>proceedings, a<br>reissue and a<br>everything po-<br>enforce, for it<br>any and all co | hereby covenare not executed agree that I/we ch papers as mess, said applicant tatives, and I/we to sign all lawfu foreign applicates or their own untries provided are paid by HF | and we will, hay be tion a greent(sul papions, tis subject the e | will not ex each time e necessa nd said Le e to comn s), said a ers, to ex to make successors it, proper | ecute any ago<br>a request is<br>ry or desirable<br>etters Patent,<br>nunicate to Hi<br>pplication and<br>ecute all disc<br>all rightful of<br>, assigns, nor<br>patent protec | reement made, a e to per to HP, or to it said Le aimers a eaths and tion for s | in conflict he nd without urfect the title its successor sominee, a etters Patent divisional declaration degal repression inventior | rewith, a<br>ndue dela<br>s, assign<br>Il known t<br>to testi<br>s, continu<br>s, and g<br>esentative | nd I/we further<br>y, execute and<br>invention(s) or<br>s, nominees or<br>acts respecting<br>y in any legal<br>ations, C-I-P's,<br>enerally to do<br>s to obtain and<br>provement(s) in |
| States and an patents on apparent and all Letters United States  | hereby authorizely official of any plications as afour saids which may be the the terms of   | coun<br>presaid<br>Linver<br>e issu                              | try or cou<br>d, to issue<br>ntion(s) or<br>ued and g  | ntries foreign<br>to HP, as ass<br>improvement<br>ranted on or   | to the U<br>ignee of<br>(s), inclu   | nited States<br>the entire rig<br>ding any and  | whose du<br>ht, title ar<br>all Letter  | ty it is to issue<br>nd interest, any<br>s Patent of the  |
| application no   | ner authorize ar<br>w identified by<br>en made known   | the a  | ttorney do   | cket number<br>United States   | and title<br>Patent ar   | set forth abo   | ove as so<br>Office.  | on as the same  |
| Inventor's Signatu   | ure (Seal)   |  | <u> </u>   | Dute Assign  | mont oight   |   | <del>, , , , , , , , , , , , , , , , , , , </del>   | <i>U</i>  |
| Inventor's Typed   | Name: James Stim   | ole  |  | D  | ate Applica  | ition Signed: 🥂   | 10019   | 1998  |
| State of   |  | )  |  |  | • •  | ment  |   |   |
| County of  |  | )  | ) ss.:   | 5× e   | Attachi  | <b>,,,</b>  |   |   |
| personally known   | day of<br>or proved to me<br>gnment to be his/he   |  | basis of   | personally appea<br>tisfactory evider  | red <u>Ja</u>  | mes Stimple   | acknowled   | who is<br>Iged the foregoing  |
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(Use Page Two For Additional Inventor(s) Signature(s))

Page 1 of 2

REEL: 9755 FRAME: 0825

# PATENT APPLICATION

ATTORNEY DOCKET NO. 10981756-1

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

| IN WITNESS WHEREOF, I we I  | nereunto set m    | y/our hand(s) and seal(s):  |   |
|---|-------------------|---|---|
| Den Dilas   | <u> </u>          | Date Assignment Signed:_  | Nov 19, 1998  |
| Inventor's Signature (Seal)   |                   |   | ,   |
| Inventor's Typed Name: Dennis Derick  | son               | Date Application  | Signed: <u>Nov 19, 1998</u>                                     |
| State of  | )<br>) ss.:       | Septechme   | nt  |
| County of   | )                 | Seattach  |   |
| Before me this day of<br>personally known or proved to me<br>instrument of assignment to be his/her   | on the basis of s | , personally appeared <u>Denni</u> satisfactory evidence to be the                        |   |
|   |                   |   | Notary Public My commission expires:                            |
|   |                   |   |   |
| En Da   |                   | Date Assignment Signed:   | 11/16/98  |
| Inventor's Signature (Seal)   | _                 |   | 11/10/03  |
| nventor's Typed Name: Eugene Rudke  | vich              | Date Application  | Signed: (1/16/98  |
| State of $PRIZONB$  | ) ss.:            |   |   |
| Before me this 6 day of N opersonally known of proved to me of instrument of assignment to be his/her | on the basis of s | satisfactory evidence to be the   | person who acknowledged the foregoing                           |
|   |                   | OFFICIAL SEAL LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm Expires Oct 2, 2001 | Resa Sanker.  Notary Public  My commission expires: 12:/.3/2001 |
|   |                   | Date Assignment Signed:   |   |
| nventor's Signature (Seal)  |                   |   |   |
| nventor's Typed Name:   |                   | Date Application  | Signed:   |
| State of  | )<br>} ss.:       |   |   |
| County of   | )                 |   |   |
| Before me this day of<br>personally known or proved to me construment of assignment to be his/her     | n the basis of s  | 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: 9755 FRAME: 0826

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|---|--|
| State of <u>California</u>  |  |
| County of Sonoma  | - Revenue There  |
| On <u>November 19, 1998</u> before me   | Cindi L. Ruell Notary Public   |
|   |  |
|   | nd Dennis James Derickson Name(s) of Signer(s)   |
| □ <del>personally known to me - OH</del> - X proved to m  | whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted executed the instrument. |
| CINDI L. BUELL T  | WITNESS my hand and official seal.   |
| NOTARY PUBLIC CALFORNIA Sonoma Courty My Comm. Expires Oct. 27, 1999  | 1 2 2 1  |
|   | Signature of Notary Public Cindi L. Buell  |
| <del>_</del>  | PTIONAL  r prove valuable to persons relying on the document and could prevent   |
| Title or Type of Document:  |  |
| Description of Attached Document  Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:   |  |
| Title or Type of Document:  Document Date:  |  |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:   | Number of Pages:   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)   | Number of Pages:  Signer's Name:   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  | Number of Pages:  Signer's Name:  Individual  Corporate Officer  |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  | Number of Pages:  Signer's Name:  Individual Corporate Officer Title(s):   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual Corporate Officer Title(s): Partner — Limited General   | Number of Pages:  Signer's Name:  Individual Corporate Officer Title(s): Partner — ☐ Limited ☐ General   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer Title(s):  Partner — Limited General  Attorney-in-Fact  Trustee  | Number of Pages:  Signer's Name:  Individual Corporate Officer Title(s): Partner — □ Limited □ General Attorney-in-Fact Trustee  |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  Title(s):  Partner — Limited General  Attorney-in-Fact  | Number of Pages:  Signer's Name:  Individual Corporate Officer  Title(s): Partner — Limited General Attorney-in-Fact Trustee Trustee Guardian or Conservator   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  Title(s):  Partner — Limited General  Attorney-in-Fact  Trustee  Guardian or Conservator                              | Number of Pages:  Signer's Name:  Individual   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  Title(s):  Partner — Limited General  Attorney-in-Fact  Trustee  Guardian or Conservator  Of SIGNER  Top of thumb her | Number of Pages:  Signer's Name:  Individual Corporate Officer  Title(s): Beneral Attorney-in-Fact Trustee Guardian or Conservator Of SIGNER Top of thumb here   |
| Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer(s)  Signer's Name:  Individual  Corporate Officer  Title(s):  Partner — Limited General  Attorney-in-Fact  Trustee  Guardian or Conservator  Of SIGNER  Top of thumb her | Number of Pages:  Signer's Name:  Individual Corporate Officer  Title(s): Beneral Attorney-in-Fact Trustee Guardian or Conservator Of SIGNER Top of thumb here   |

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

## **PATENT APPLICATION**

ATTORNEY DOCKET NO. 10981756-1

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

| Inventor's Signature (Seal)  | Date Assignment  | Signed:  |
|--|--|--|
| Inventor's Typed Name: Dennis De   | arickson Dato A.   | oplication Signed:   |
| <del></del>  | alle Al  | opileation digited.  |
| State of   | ) Lse:   |  |
| County of  |  |  |
| Before me this day of  | , personally appeared  | Dennis Derickson who i   |
| personally known or proved to n  | ne on the basis of satisfactory evidence to  | be the person who acknowledged the foregoing                         |
| instrument of assignment to be his   | ner free act and deed.   |  |
|  |  | Notary Public  |
|  |  | My commission expires:   |
|  |  |  |
| ,  |  |  |
| Gn. M  |  | 11/10/002  |
| Inventor's Signature (Seal)  | Date Assignment S  | Signed: 11/18/98   |
| Inventor's Typed Name: Eugene Ru   | udkevich   | Signed: $\frac{l / / 6/98}{l / 6/98}$                                |
|  |  | pplication Signed: (1/10//2  |
| State of IIR 12 ONA  | )<br>) ss.:  |  |
| County of PIMA   | )  |  |
| Before me this 16 day of   | NAW 1966 paramelly appared   | France Physical delay  |
| personally known or proved to m  | ie on the basis of satisfactory evidence to  | Eugene Rudkevich who is be the person who acknowledged the foregoing |
| instrument of assignment to be his/  | her free act and deed.   | م  |
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| and the man  | LISA BARKER<br>NOTARY PUBLIC - ARIZONA   | Sesa Sarker  Notary Public  My commission expires: 14/3/2001         |
| and the second s | LISA BARKER  | <b>\\</b>  |
| and the second s | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY  | <b>\\</b>  |
|  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY  | }  |
|  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct. 2, 2001  | }  |
| nventor's Signature (Seal)   | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct. 2, 2001  Date Assignment S   | }  |
| nventor's Signature (Seal)<br>nventor's Typed Name:  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct. 2, 2001  Date Assignment S   | igned:   |
| nventor's Signature (Seal)<br>nventor's Typed Name:<br>State of  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct. 2, 2001  Date Assignment S   | igned:   |
| nventor's Signature (Seal)<br>nventor's Typed Name:  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct 2, 2001  Date Assignment S  Date App  | igned:   |
| nventor's Signature (Seal)  nventor's Typed Name:  State of  County of  Before me this day of  | LISA BARKER NOTARY PUBLIC - ARIZONA PIMA COUNTY My Comm. Expires Oct. 2, 2001  Date Assignment S  Date App  ) ss.: )  personally appeared  | blication Signed:  |
| nventor's Signature (Seal)  nventor's Typed Name:  State of  County of  Before me this day of ersonally known or proved to me  | Date Assignment S  Date App    Date App   Da | igned:   |
| nventor's Signature (Seal)  nventor's Typed Name:  State of  County of  Before me this day of ersonally known or proved to me  | Date Assignment S  Date App    Date App   Da | blication Signed:  |
| nventor's Signature (Seal)  nventor's Typed Name:  State of  County of  Before me this day of  | Date Assignment S  Date App    Date App   Da | blication Signed:  |

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

Page 2 of 2

RECORDED: 02/09/1999

Rev 04/98 (Assign)