| FORM PTO-1595                                                                                                 | 01-10-                                               | -2005                                                   |                                                   | ENT OF COMMERCE<br>and Trademark Office |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|-----------------------------------------|
| 1222 M                                                                                                        |                                                      |                                                         | Attorney Docket N                                 |                                         |
| 1. Name of conveying party(ies):                                                                              | 10291                                                | 6161 -                                                  | ss of receiving par                               |                                         |
| Juergen Mueller<br>x                                                                                          |                                                      |                                                         | ARD DEVELOPME                                     | NT COMPANY, L.P.<br>011/020282<br>00111 |
| Additional name(s) of conveying party(ies) attached                                                           | Yes <u>X</u> No                                      | Additional name(s) & ad                                 | dress(es) attached? _                             | YesX_No                                 |
| 3. Nature of Conveyance:                                                                                      |                                                      |                                                         |                                                   |                                         |
| X Assignment                                                                                                  | Merger                                               |                                                         | _ Change of Name                                  |                                         |
| Security Agreement                                                                                            | Other                                                |                                                         |                                                   |                                         |
| Execution Date(s): December 22, 2004                                                                          |                                                      |                                                         |                                                   |                                         |
| 4. Application number(s) or patent number                                                                     | er(s):                                               |                                                         | , <u>112</u> 24 442                               |                                         |
| If this document is being filed together w                                                                    | vith a new appli                                     | cation, execution dat                                   | e of the application                              | n is: 12/22/2004                        |
| A. Patent Application No.(s)                                                                                  |                                                      |                                                         | B. Patent No.                                     | (s)                                     |
| Application No.:                                                                                              | Date Filed:                                          |                                                         |                                                   |                                         |
| Confirmation No.: A                                                                                           | dditional numbe                                      | ers attached? NO                                        |                                                   |                                         |
| concerning document should be mailed:                                                                         |                                                      | 6. Total number of applications and patents involved: 1 |                                                   |                                         |
|                                                                                                               |                                                      | 7. Total Fee (37 CFR 3.41): \$40.00                     |                                                   |                                         |
| HEWLETT-PACKARD COMPANY                                                                                       |                                                      | Enclosed                                                |                                                   |                                         |
| Fort Collins, Colorado 80527-2400                                                                             | P.O. Box 272400<br>Fort Collins, Colorado 80527-2400 |                                                         | X Authorization to be charged to deposit account. |                                         |
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| 9. Statement and signature.<br>To the best of my knowledge and belief,<br>true copy of the original document. | the foregoing i                                      | nformation is true an                                   | d correct and any a                               | attached copy is a                      |
| James K. Okamoto<br>Name of Person Signing                                                                    | Junk C                                               | <u> </u>                                                |                                                   | r 22, 2004                              |
|                                                                                                               | ar of pages includ                                   | ing cover sheet, attach                                 | Date                                              | t. 2                                    |
| OMB No. 0651-0011 (exp. 4/94)                                                                                 |                                                      |                                                         |                                                   | L                                       |
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### PATENT APPLICATION

ATTORNEY DOCKET NO. 200403360-1

#### ASSIGNMENT OF PATENT APPLICATION

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:

# MULTI-FIBER CABLE FOR EFFICIENT MANAGEABILITY OF OPTICAL SYSTEM

Filing date:

Application No.:

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

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

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 HPDC, 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 the attorneys of record 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.

| Inventor's Stanature (Seal)                                    | EOF, I/we hereunto set my/our hand(s) and                                                                 |                                                                     |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Inventor's Typed Name: JUERC                                   |                                                                                                           | ration Signed: 12-22-04                                             |
| State of Germany                                               | · ;                                                                                                       |                                                                     |
| County of                                                      | ) 55.:<br>)                                                                                               |                                                                     |
| personally known or proved to<br>netrument of assignment to be | of, personally appeared<br>o me on the basis of satisfactory evidence to be<br>his/her free act and dead. | UERGEN MUELLER who is,<br>the person who acknowledged the foregoing |
|                                                                |                                                                                                           |                                                                     |
|                                                                |                                                                                                           | Notary Public                                                       |
|                                                                |                                                                                                           | Notary Public<br>My commission appires:                             |

## **RECORDED: 12/22/2004**

## PATENT REEL: 016126 FRAME: 0978