| FORM PTO-1595 (Rev. 6-93) OMB-0651-0011 10 - 04 - 20 | 1EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office |
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| To the Honorable Commissioner | e attached original documents or copy thereof. |
| | address of receiving party(ies) |
| 1. Name of conveying party(le 1028505) | address of receiving party(ies) Name: Lucent Technologies Inc. Internal Address: |
| 3 | Internal Address: |
| | 173 |
| Additional name(s) of conveying party(ies) attached? Yes No | |
| 3. Nature of conveyance: | Street Address: 600 Mountain Avenue |
| | P.O. Box 636 |
| ☐ Security Agreement ☐ Change of Name | City: Murray Hill State: NJ ZIP: 07974-0636 |
| Other | |
| Execution Date(s): September 24, 2004 | Additional name(s) & address(es) attached? ☐ Yes ☒ No |
| 4. Application number(s) or patent number(s): | |
| If this document is being filed together with a new application, the execution date of the application is: Sept. 24, 2004 | |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 10191915 Additional numbers attached? Tyes No | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 |
| Name:Docket Administrator | 7. Total fee (37 CFR 3.41) \$40.00 |
| Internal Address: Room 3J-219 | ☐ Enclosed |
| | Authorized to be charged to deposit account |
| | 8. Deposit account number: 12-2325 |
| Street Address: 101 Crawfords Corner Road | |
| City: Holmdel State: NJ ZIP: 07733-3030 | (Attach duplicate copy of this page if paying by deposit account) |
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| 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. | |
| David A. Sasso Name of Person Signing | Q 7/LI 04 |
| Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 3 | |

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Case Name/No.: Dorrer 11

PATENT REEL: 015836 FRAME: 0372

ASSIGNMENT AND AGREEMENT

For value received, I, Christophe J Dorrer, of Matawan in the County of Monmouth and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Method And Apparatus For Determining The Nonlinear Properties Of Devices and Fibers described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

PATENT REEL: 015836 FRAME: 0373 I agree that, when requested, I shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Christophe J. Dorrer

Date: 09/14/04

United States of America)

State of New Jersey) ss.:

County of Monmouth

On this 24^{+h} day of 5eptembee, 20^{-04} , before me personally came, Christophe J. Dorrer to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

SHARON L. LOBOSCO
Notary Public, State of New Jersey
No. 2278076
Qualified in Ocean County
Commisssion Expires August 14, 2006

Lucent Technologies Inc.
Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

RECORDED: 09/24/2004

PATENT REEL: 015836 FRAME: 0374