12-18-2002 **FORM PTO-1595** U.S. DEPARTMENT OF COMMERCE HEET (Rev. 0 03) Patent and Trademark Office OMB-0651-0011 the attached original documents or copy thereof. To the Honorable Commissioner 102314387 1. Name of conveying party(les): maine and address of receiving party(ies) Name: Lucent Technologies Inc. 1. Christopher Richard Doerr 12-16-02 2. David S. Levy Internal Address: 3. Timothy O. Murphy 4. Alice Elizabeth White Additional name(s) of conveying party(ies) attached?

Yes
No 3. Nature of conveyance: Street Address: 600 Mountain Avenue Assignment Merger P.O. Box 636 Change of Name Security Agreement City: Murray Hill State: NJ ZIP: 07974-0636 Other **Execution Date(s):** Oct. 7, 2002; Oct. 9, 2002; Nov. Additional name(s) & address(es) attached? Tyes X No 21, 2002; and Dec. 6, 2002 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: B. Patent No.(s) A. Patent Application No.(s) 10/228800 Additional numbers attached?
Yes
No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$40.00 Docket Administrator Name: Enclosed Internal Address: Room 3J-219 Authorized to be charged to deposit account 8. Deposit account number: 12-2325 Street Address: 101 Crawfords Corner Road (Attach duplicate copy of this page if paying by deposit account) City: Holmdel State: NJ ZIP: 07733-3030 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 copy of the original document. David A. Sasso Name of Person Signing ngnature

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignment

Washington, D.C. 20231

Case Name/No.: Doerr 61-4-6-6

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231 on DEC. 10, 2003

ASSIGNMENT AND AGREEMENT

For value received, we, Christopher Richard Doerr, of Middletown in the County of Monmouth and the State of New Jersey, and David S. Levy of Freehold in the County of Monmouth and the State of New Jersey, and Timothy O. Murphy, of Fairport in the County of Monroe and the State of New York, and Alice Elizabeth White, of Summit in the County of Union 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 Integrated Reconfigurable Optical Add/Drop Multiplexer described in an application for Letters Patent of the United States, Serial No. 10/228800, filed August 27, 2002, 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 we 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.

We 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 us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We 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.

We 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.

We agree that, when requested, we 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.

Christopher Richard Doern

Date: 1/21/2002

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 21 day of November, 2002, before me personally came, Christopher Richard Doerr 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
Commission Expires August 14, 2006

David S. Levy

Date: $\frac{\int C_{1} \mathcal{T}_{1} \mathcal{L}_{2}^{2}}{\sqrt{2}}$

United States of America)

State of New Jersey) ss.:

County of Moninoutin)

On this ______ day of _________, 206a____, before me personally came, David S. Levy, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sharon J. Loposeo Notary Public

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

Fiffiothy O Murghy

ANTHONY V. GALLO
Notary Public in the State of New York
Monroe County
Commission Expires 10/23/

Notary Public

Cilia E. White

Alice Elizabeth White

Date: 10/9/02

United States of America)

State of New JErsey) ss .:

County of Union)

Notary Public

AVA R. CRUZ MOTARY PUBLIC OF NEW JERSEY Commission Evolves 12/27/2020

Lucent Technologies Inc.
Docket Administrator (Room 3C-512)
Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

RECORDED: 12/16/2002