

08-28-2003

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FORM PTO-1500 (Rev. 7-1-93)

01-27-2003

102529798

U.S. Department of Commerce Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached application of _____ hereof.

1. Name of conveying party(ies):
Anjali Agarwal
Sonali Banerjee
Diego Grosz

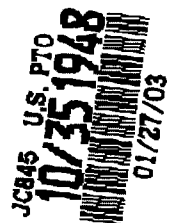
Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 24, 2003

2. Name and address of receiving party(ies):
Name: Lucent Technologies Inc.
Internal Address:
Street Address: 600 Mountain Avenue
City: Murray Hill State: NJ Zip: 07974-0636

Additional name(s) & address(es) attached? Yes No



4. Application number(s) or registration number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Eamon J. Wall
Internal Address: MOSER, PATTERSON & SHERIDAN, LLP
Street Address: 595 Shrewsbury Avenue, Suite 100
City: Shrewsbury State: NJ Zip: 07702

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
DEFICIENCIES
8. Deposit account number: 20-0782

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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.
EAMON J. WALL [Signature] 1/27/03
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments and document: 6

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

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ASSIGNMENT AND AGREEMENT

For value received, we, **Anjali Agarwal of Hazlet in the County of Monmouth and State of New Jersey, Sonali Banerjee of Morganville in the County of Monmouth and State of New Jersey, and Diego F. Grosz of Middletown in the County of Monmouth and 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 SYSTEM FOR INCREASING THE CAPACITY AND SPECTRAL EFFICIENCY OF OPTICAL TRANSMISSION** described in an application for Letters Patent of the United States, executed by us 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 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

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be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Anjali Agarwal
Anjali Agarwal

Date: 1/24/2003

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 24th day of January, 2003, before me personally came **Anjali Agarwal**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Tamka E. Gatson
Notary Public

TAMKA E. GATSON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 5/16/2015

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3

Sonali

Sonali Banerjee

Date: 01/24/2003

United States of America)

State of New Jersey) ss.:

County of monmouth)

On this 24th day of January, 2003, before me personally came **Sonali Banerjee**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Tamika R. Garton
Notary Public

TAMIKA R. GARTON
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 01/14/2006