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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101256082

To the Assistant Commissioner of Patents and Trademarks, U.S. Patent and Trademark Office, Washington, D.C. 20503

1. Name of conveying party(ies): Alan H. GNAUCK Cedric F. LAM Sheryl Leigh WOODWARD		2. Name and address of receiving party(ies) Name: <u>AT&amp;T Corp.</u> Internal Address: <u>S. H. Dworetsky</u> <u>P.O. Box 4110</u> <u>Middletown, New Jersey 07748</u> Street Address: <u>32 Avenue of the Americas</u> City: <u>New York</u> State: <u>NY</u> ZIP: <u>10013-2412</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>December 22, 1999</u>		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: <u>December 22, 1999</u> A. Patent Application No.(s) <u>09.477816</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>S. H. Dworetsky</u> Internal Address: <u>P.O. Box 4110</u> <u>Middletown, New Jersey 07748</u> Street Address: _____ City: <u>Middletown</u> State: <u>NJ</u> ZIP: <u>07748</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>15-0461</u> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div> <u>Christine M. Hoeft</u>            Registration No. 41,844         </div> <div> <u>Christine M. Hoeft</u>            Signature         </div> <div> <u>January 5, 2000</u>            Date         </div> </div> Total number of pages including cover sheet, attachments, and document: <u>5</u>			

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments

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PATENT  
REEL: 010510 FRAME: 0186

## ASSIGNMENT AND AGREEMENT

For value received, we, Alan H. Gnauck, of Middletown in State of New Jersey, Cedric F. Lam, of Lincroft of the State of New Jersey and Sheryl Leigh Woodward, of Lincroft of the State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, 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 SINGLE-SIDEBAND OPTICAL SIGNAL GENERATION AND 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 AT&T Corp. 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 AT&T Corp. 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 AT&T Corp. 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 AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

We agree that, when requested, we shall, without charge to AT&T Corp. 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.

Alan H. Gnauck  
Alan H. GNAUCK

Date: 12/22/99

United States of America )

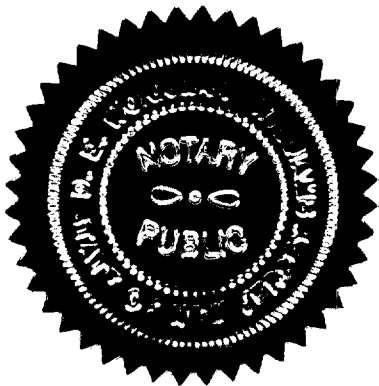
State of New Jersey )ss:

County of Monmouth )

On this 22nd day of Dec., 1999, before me personally came Alan H. Gnauck, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

D. E. WORKMAN-WILLIAMS  
MY COMMISSION EXPIRES  
05-27-2002

Daniel Workman-Williams  
Notary Public



  
\_\_\_\_\_  
Cedric F. LAM

Date: December 22, 1999

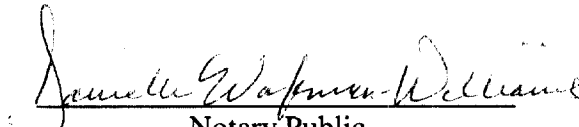
United States of America )

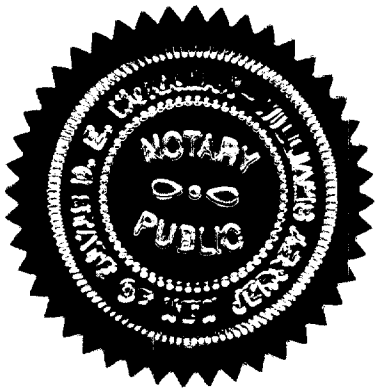
State of New Jersey )ss:

County of Monmouth )

On this 22nd day of Dec, 1999, before me personally came Cedric F. Lam, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

• **D. E. WORKMAN-WILLIAMS**  
\_\_\_\_\_  
**MY COMMISSION EXPIRES**  
05-27-2002  
•

  
\_\_\_\_\_  
Notary Public



Sheryl Leigh Woodward  
Sheryl Leigh WOODWARD

Date: December 22, 1999

United States of America )

State of New Jersey )ss:

County of Monmouth )

On this 22nd day of Dec, 19 99, before me personally came Sheryl Leigh Woodward, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

D. E. WORKMAN-WILLIAMS

MY COMMISSION EXPIRES  
05-27-2002

Danielle Workman-Williams  
Notary Public

