06-13-2006



U.S. Department of Commerce Patent and Trademark Office **PATENT**

103256017

ET

				7.00 =	
TO: The Commiss	ioner for Patents: Please recor	d the attached original d	ocument(s) or copy(ies).	04	
Submission Type		Conveyance Type		296 1/1	
 New □ Resubmission(Non-Recordation) Document ID# □ Correction of PTO Error Reel # Frame # □ Corrective Document Reel # Frame # 		⊠ Assignment	□ Security Agreement	=======================================	
		☐ License ☐ Merger	☐ Change of Name		
			☐ Other:		
			U.S. Government		
			(For use by U.S. Government Agencies)		
			☐ Departmental File ☐ Secret	File	
Conveying Pa	arty(ies)		Mark if additional name	es of conveying parties attached	
Name (line 1)	Feuer, Mark D.			Execution Date	
Name (line 2)				MMDDYYYY 05/31/2006	
Second Party				00,01,2000	
Name (line 1)	Woodward, Sheryl L			Execution Date	
Name (line 2)	, , , , , , , , , , , , , , , , , , , ,			MMDDYYYY	
				05/31/2006	
Receiving Pa	rty		Mark if additional name	es of receiving parties attached	
Name (line 1)	AT&T Corp.			If document to be recorded is an	
Name (line 2)				assignment and the receiving party is not	
Address (line 1)	32 Avenue of the Americas domiciled in the Un			domiciled in the United States, an appointment	
Address (line 2)	New York, New York 10013-2412 of a domestic			of a domestic	
Address (line 3)			attached. (Designation		
	City, State/Country Zip Code			must be a separate document from Assignment.)	
Domestic Rep	presentative Name and	Address	Enter for the first Receiving Party only.		
Name (line 1)					
Address (line 1)					
Address (line 2)					
Address (line 3)					
Address (line 4)					
12/2006 DBYRNE	00000135 012745 11448339	FOR OFFICE	USE ONLY		
	0.00 DA				
• = = = • •					

Mail documents to be recorded with required cover sheet(s) information to:

Mail Stop Assignment Recordation Services, Director - U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

			t Number: 20	04-0539
		Page 2		Department of Commerce nt and Trademark Office PATENT
		CORRESPONDENCE ADDRESS		
Customer Number or Bar Code Label Customer Number - 26652			or 🗌 Corre	spondence address below
NAME	John Etchells			
ADDRESS	AT&T CORP., One AT	&T Way, Room 2A-207		
CITY	Bedminster	STATE New Jersey		07921
COUNTRY	United States of A	merica	FAX	908-532-128
inc	luding any attachments lumber(s) or Patent Nu			numbers are attached
	• •	r the Patent Number (DO NOT ENTER BOTH numbers		
Patent Application		Patent Number(s)		
И	lew	Herewith		
f this document	is being filed with a <u>new</u> Pat	ent Application, enter the date the patent application v	vas Month Day	Year
signed by the fir Patent Coop Enter PCT ap only if a U.S.	st named executing inventor peration Treaty (PCT) plication number Application Number		vas Month Day 05/31,	
Patent Cooperater PCT apmonly if a U.S.	st named executing inventor. Deration Treaty (PCT) plication number Application Number assigned. Properties	•	_	
signed by the fir Patent Coop Enter PCT ap only if a U.S.	st named executing inventor. Deration Treaty (PCT) plication number Application Number assigned. Properties		_	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Paying Deposit Accourse	st named executing inventor Deration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment:	•	.41): \$40.00	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Paying Deposit Accourse	st named executing inventor Deration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment:	nber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.)	.41): \$40.00] lber: 01-2745	
Patent Coop Enter PCT ap only if a U.S. has not been Number of F Fee Amount Method of Payi Deposit Accou Enter for paymer	peration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: nt tby deposit account or if addition STATEMENT AND S my knowledge and believe	nber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account ional fees can be charged to the account.) Deposit Account Num	.41): \$40.00 	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Paylogosit Account for paymer for the best of the original do NAME	plication Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: nt by deposit account or if addition STATEMENT AND S my knowledge and believe cument. Gary H. Monka	riber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.) Deposit Account Num Authorization to charge additional formation of the signal fees.	.41): \$40.00 	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Payroleposit Account for paymer for the best of the original do NAME ELEPHONE	peration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: int it by deposit account or if addition STATEMENT AND S my knowledge and believe cument.	riber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.) Deposit Account Num Authorization to charge additional formation of the signal fees.	.41): \$40.00 	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Payroleposit Account for paymer for the best of the original do NAME ELEPHONE	plication Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: nt by deposit account or if addition STATEMENT AND S my knowledge and believe cument. Gary H. Monka	riber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.) Deposit Account Num Authorization to charge additional formation of the signal fees.	.41): \$40.00 	
Patent Coopenter PCT aponly if a U.S. has not been Number of Fee Amount Method of Payroleposit Account for paymer for the best of the original do NAME ELEPHONE	plication Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: nt by deposit account or if addition STATEMENT AND S my knowledge and believe cument. Gary H. Monka	riber of properties involved. # 1 Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.) Deposit Account Num Authorization to charge additional formation of the signal fees.	.41): \$40.00] ber: 01-2745 fees: ⊠ Yes R AGENT REQU	□ No IIRED I copy is a true copy
Patent Coop Enter PCT ap only if a U.S. has not been Number of F Fee Amount Method of Payi Deposit Accou Enter for paymer To the best of he original do NAME ELEPHONE GIGNATURE	st named executing inventor operation Treaty (PCT) plication number Application Number assigned. Properties Enter the total number the strain account or if additional account or if additional account. STATEMENT AND Somy knowledge and believe cument. Gary H. Monka 908-707-1573	Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Sional fees can be charged to the account.) Deposit Account Num Authorization to charge additional for the foregoing information is true and correct of the foregoing	.41): \$40.00 ober: 01-2745 ees: Yes R AGENT REQUENT And any attached	□ No IIRED copy is a true copy 06/07/2006
Patent Coop Enter PCT ap only if a U.S. has not been Number of F Fee Amount Method of Payi Deposit Accou Enter for paymer To the best of the original do NAME ELEPHONE GIGNATURE	peration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: Int by deposit account or if addition Treaty (PCT) plication number assigned. Properties Enter the total num ment: Int at by deposit account or if addition STATEMENT AND S my knowledge and believe cument. Gary H. Monka 908-707-1573	Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Signal fees can be charged to the account.) Deposit Account Num Authorization to charge additional formation is true and correct of the foregoing information is true and correct of the second s	.41): \$40.00 ber: 01-2745 ees: Yes RAGENT REQUANT And any attached	No IIRED Copy is a true copy 06/07/2006
Patent Coop Enter PCT ap only if a U.S. has not been Number of F Tee Amount Method of Payl Deposit Accou Enter for paymer To the best of he original do NAME FELEPHONE GIGNATURE hereby certify that assignment Recon Type or Printed	peration Treaty (PCT) plication number Application Number assigned. Properties Enter the total num ment: Int by deposit account or if addition Treaty (PCT) plication number assigned. Properties Enter the total num ment: Int at by deposit account or if addition STATEMENT AND S my knowledge and believe cument. Gary H. Monka 908-707-1573	Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Sional fees can be charged to the account.) Deposit Account Num Authorization to charge additional for Signature of Applicant, Attorney, Off, the foregoing information is true and correct of the sidn of	.41): \$40.00 ber: 01-2745 ees: Yes RAGENT REQUANT And any attached	No IIRED Copy is a true copy 06/07/2006
Patent Coop Enter PCT ap only if a U.S. has not been Number of F Fee Amount Method of Payin Deposit Account Enter for paymen To the best of the original do NAME TELEPHONE SIGNATURE hereby certify that	st named executing inventor peration Treaty (PCT) plication number Application Number assigned. Properties Enter the total number assigned: STATEMENT AND Somy knowledge and believe cument. Gary H. Monka 908-707-1573 At this correspondence is being relation Services, Director - U. Services and services and services and services and services are services and services and services are services and services are services are services and services are services and services are services are services are services and services are services.	Fee Amount for Properties Listed (37 CFR 3 Enclosed Deposit Account Sional fees can be charged to the account.) Deposit Account Num Authorization to charge additional for Signature of Applicant, Attorney, Off, the foregoing information is true and correct of the sidn of	.41): \$40.00 ber: 01-2745 ees: Yes R AGENT REQUAND And any attached DATE ass mail in an enveloa, VA 22313-1450 on	No IIRED Copy is a true copy 06/07/2006

PATENT REEL: 017983 FRAME: 0537

ASSIGNMENT AND AGREEMENT

For value received, we, Mark D. Feuer, of Colts Neck in the County of Monmouth and State of New Jersey, and Sheryl L. Woodward, of Holmdel in the County of Monmouth and 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, Tunable **Bidirectional** certain inventions related to in and to Multiplexer/Demultiplexer For Optical Transmission System 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.

-1-

PATENT REEL: 017983 FRAME: 0538

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.

Date: 5/31/2006

United States of America

State of New Jersey)

County of Monemouth

On this 31st day of 10st , 2006, before me personally came Mark D. Feuer to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

[Xps. 2/22/2011

Sherry L. Woodward

Date:	5/31/06

United States of America

State of New Jersey

County of Marinoutke

On this Steph day of Way, 2006, before me personally came Sheryl L. Woodward, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public Exps. 2/23/2011

AT&T Corp. Room 2A-207 One AT&T Way Bedminster, New Jersey 07921

RECORDED: 06/07/2006

-3-

PATENT REEL: 017983 FRAME: 0540