

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ayman F. Naguib	09/22/2000
Arthur R. Calderbank	10/12/2000
RECEIVING PARTY DATA	
Name:	AT&T Corp.
Street Address:	32 Avenue of the Americas
City:	New York
State/Country:	NEW YORK
Postal Code:	10013
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12317437
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	9734672025
Email:	henry@brendzel.com
Correspondent Name:	Henry T. Brendzel
Address Line 1:	5 Gilbert Place
Address Line 4:	Millburn, NEW JERSEY 07041
ATTORNEY DOCKET NUMBER:	CALDERBANK 2000-0238CON1
NAME OF SUBMITTER:	Henry T. Brendzel
Total Attachments: 2 source=ASSIGNMENT0328#page1.tif source=ASSIGNMENT0328#page2.tif	

CH \$40.00 12317437

ASSIGNMENT AND AGREEMENT

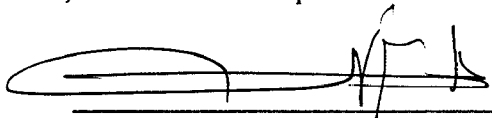
For value received, we, Ayman F Naguib of Lincroft in the County of Monmouth and State of NJ, and Arthur R Calderbank of Princeton in the County of Mercer and State of NJ, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, 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 **Equalization of Transmit Diversity Space-Time Coded Signals** 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.

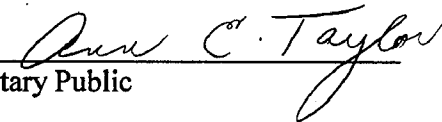


Ayman F Naguib

Date 9/22/2000

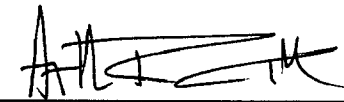
United States of America)
State of New Jersey)ss.:
County of Essex)

On this 22nd day of September, 2000, before me personally came Ayman F Naguib, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

ANN C. TAYLOR
NOTARY PUBLIC OF NEW JERSEY
REGISTERED IN OCEAN COUNTY
MY COMMISSION EXPIRES AUGUST 7, 2002

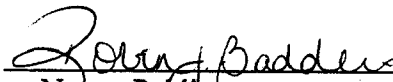


Arthur R Calderbank

Date Oct 12, 2000

United States of America)
State of New Jersey)ss.:
County of Morris)

On this 12th day of October, 2000, before me personally came Arthur R Calderbank, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

ROBIN J. BADDERS
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 11/30/2003